

Всички цитати (първа част - на научни публикации)

- **Звено:** (ИКИТ) Институт за космически изследвания и технологии
- **Секция:** (ИКИТ) Космическа физика
- **Име:** (ИКИТ/0110) Велинов, Петър Йорданов
- **Година:** 1965 ÷ 2024
- **Тип записи:** Всички записи

Брой цитирани публикации: 386

Брой цитиращи източници: 2672

Коригиран брой: 2672.000

1965

1. **Velinov P. I. Y..** (1965b) Altitude variations of the frequencies and electron density by reflexion from the D-region. C. R. Acad. Bulg. Sci., 18 (12), 1965, ISSN:1310-1331, 1111-1112.

Цитирана се в:

1. G. Nestorov. PAGEOPH, 1965, 62, III, 148, 160., @1965
2. Г. Несторов. Изв. ГФИ БАН, 1966, IX, с. 36, 37. (2 citations), @1966
3. Г. Несторов. Изв. ГФИ БАН, 1969, XV, с. 90. (2 citations), @1969
4. Г. Несторов. Физика на ниската ионосфера, Изд. БАН, София, 1969, с.45-46, 60, 128, 129. Глава 4: (4 citations), @1969
5. К. Серафимов. Физика средней ионосферы, Изд. БАН, София, 1970, гл.3 и 4, с.108 и 223. (2 citations), @1970
6. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
7. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (6 citations - p. 12), @2013
8. S. Asenovski. PhD Thes. Autoref., ISRT, BAS Publishing House, Sofia, 2013, @2013

2. Nestorov G., **Velinov P. I. Y..** (1965) Electron concentration variations by long wave reflection from D-region. C. R. Acad. Bulg. Sci., 18 (12), 1965, ISSN:1310-1331, 1111-1112.

Цитирана се в:

9. К. Серафимов. Физика средней ионосферы, Изд. БАН, София, 1970, гл.3 и 4, с.108 и 223. (2 citations), @1970
10. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
11. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013., @2013
12. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (6 citations - p. 12), @2013

1966

3. **Velinov P. I. Y..** (1966a) An expression for ionospheric electron production rate by cosmic rays (Derivation of a formula for electron production rate in the ionosphere under the action of cosmic rays). C. R. Acad. Bulg. Sci., 19 (2), 109-112, 1966, ISSN:1310-1331, JCR-IF (Web of Science):0.21

Цитирана се в:

13. United States. National Aeronautics and Space Administration. Publisher: Washington D.C. : National Aeronautics and Space Administration, 1966, Edition/Formal publication, government publication., @1966
14. Г. Несторов. Доклади на БАН, Comptes rendus de l'Académie bulgare des Sciences, 1966, том 19, № 11, стр. 1010., @1966
15. Г. Несторов. Известия на Геофизическия институт при БАН, 1966, том IX, стр. 50., @1966
16. G. S. Ivanov-Kholodnyy. Estimate of the Concentration of Negative Ions in the D-Region of the Ionosphere. Doklady AN SSSR, Tom 177, No.6, 1328-9, Izdatl'stvo "Nauka", Moscow, 1966, 1328-9, (2 citations), @1966
17. L. Krivský (1967) On the possibility of the conjunction of the Earth's magnetic field with a solar magnetic bottle. Bulletin of the Astronomical Institute of Czechoslovakia, 17, 1-12, 1967, 1-12, (2 citations), @1967
18. L. Krivský, V. Letfus (1967) Solar-Terrestrial Physics. Papers from the Inter-Union Symposium, Belgrade, Aug.-Sept. 1966. J. W. King and W. S. Newman, Eds. Academic Press, New York, 1967, 1-12, (2 citations), @1967
19. National Aeronautics and Space Administration, Goddard Space Flight Center, Contract No.NAS-5-12487ST-A I-1, http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19680006808_1968006808.pdf, @1968
20. Nestorov, G. (1968). Sunrise effects in the lower D-Region by solar eclipse. pure and applied geophysics, PAGEOPH, 71(1), 5-14. (2 citations), @1968

21. Nestorov, G. T. (1968). On the narrowing of the ionospheric absorption anomaly by solar eclipses. pure and applied geophysics, PAGEOPH, 71(1), 26-36., @1968
22. Г. Несторов. Изв. АН СССР, сер физ., 1968, XXXII, 11, с. 1917-1923., @1968
23. Г. Несторов. Изв. ГФИ БАН, 1968, XII, с. 25, 26. (2 citations), @1968
24. Г.С. Иванов-Холодный, Труды пятой всесоюзной ежегодной школы по космофизике, Апатиты, 1968, АН СССР, с. 269 & 272. (2 citations), @1968
25. Г. Несторов. Физика на ниската ионосфера, Изд.БАН, София, 1969, с.45-46, 60, 128, 129, 202, 239: Глава 2: 6 (3 пъти); Глава 4: 6 (2 пъти); Глава 5: 6., @1969
26. Г.С. Иванов-Холодный, Г.М. Никольский. Солнце и ионосфера, Изд. Наука, Москва, 1969, с. 240., @1969
27. М.Н. Фаткулин, Сб. Геофизика, ИНИ АН СССР, Москва, 1969, с. 3-31., @1969
28. Г. Несторов. Доклады БАН, 1970, 23, 1, с.59., @1970
29. К. Серафимов. Физика средней ионосферы, Изд. БАН, София, 1970, гл.3 и 4, с.108 и 223. (2 пъти), @1970
30. Ivanov-Kholodnyj, G. S., Nikol'skij, G. M. (1972) The Sun and the Ionosphere: Short-wave Solar Radiation and Its Effect on the Ionosphere. Translated from Russian. Jerusalem, 5+366 p. - adsabs.harvard.edu., @1972
31. И.В. Дорман, Изв. АН СССР, физ, 1973, 37, 1327., @1973
32. Kutiev, I., Serafimov, K. (1974) INVESTIGATIONS WITH ION PROBES ON THE INTERCOSMOS-2 SATELLITE. Izvestiia, Bŭlgarska akademiia na naukite. 19, 1974, 1, 1-10., @1974
33. Л.И.Дорман, И.В.Дорман, Т.М.Крупницкая, Геомагн. Аэрономия, 1974, 14, 6, 964., @1974
34. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
35. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд. Наука, Москва, 1983, гл. I (с.24-29), @1983
36. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд. Наука, Москва, 1983, гл. V (с. 86-93), @1983
37. Г. Несторов. Абсорбция и морфология на ниската йоносфера, Изд. БАН, София, 1986 (3 citations), @1986
38. L. Mateev. Bulg. Geophys. J., 1997, 23, 2, 87-95: (3 citations), @1997
39. L. Mateev, H. Ruder, et al. Proc. VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2001, 27-30., @2001
40. Marusja Buchvarova (2002) Model of Galactic and Anomalous Cosmic Ray Spectrum in the Planetary Ionospheres, C. R. Acad. Bulg. Sci. 55(7), 43-46., @2002
41. L. Desorgher, E. O. Flückiger, M. Gurtner (2005) The Planetocosmics Geant4 application, University Hospital of Lausanne, Institute of radiation physics, Lausanne, Switzerland, @2005
42. V. Peneva, I. Popchev (2005) Aggregation of Fuzzy Preference Relations with Different Importance, Comptes rendus de l'Academie bulgare des Sciences, Vol 58, No 1, 2005, 1-10., @2005
43. L. Desorthe, E. Flückiger, M. Gurtner (2006) The Planetocosmics Geant4 application https://www.researchgate.net/publication/241603312_The_Planetocosmics_Geant4_application/references, @2006
44. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за обществено-научни науки, ЦЛСЗВ БАН, София, 2007: стр. 32, 86, 88 (4 citations), @2007
45. Usoskin, I., et al. (2008) Solar and galactic cosmic rays in the Earth's atmosphere. COST 724 final report: 127., @2008
46. Usoskin, Ilya, et al. (2009) Ionization of the Earth's atmosphere by solar and galactic cosmic rays, Acta Geophysica 57(1), 88-101., @2009
47. L. Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. C.R. Acad. bulg. Sci., 2010, 63, 4, 593 - 600. (3 citations), @2010
48. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (12 citations - p. 142), @2013
49. S. Asenovski. PhD Thes. Autoref., ISRT, BAS Publishing House, Sofia, 2013., @2013
50. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4861-0804038-46, @2016
51. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, World Applied Sciences Journal 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5829/IDOSI.WASJ.2016.34.03.312-317, @2016
52. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, Middle-East Journal of Scientific Research 1801, DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
53. Umahi, A. E. (2016) Variability of Galactic Cosmic rays Flux and Solar Activities in the Earth's Atmospheric Environment, American-Eurasian J. Agric. & Environ. Sci. 16(5), 1058-1068, DOI: 10.5829/idosi.aejas.2016.16.5.10441., @2016
54. Umahi, A. E. (2016) Impact of Space Radiation in the Earth's Atmosphere, American-Eurasian J. Agric. & Environ. Sci., 16 (5), 868-873, DOI: 10.5829/idosi.aejas.2016.16.5.10441., @2016
55. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udeaja, V.N., Anih, J.O., Onyia, A.I., Adieme, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, E. (2016) Cosmic Rays in the Atmosphere, IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), e-ISSN: 2319-2402, p- ISSN: 2319-2396, pp. 80-84, www.iosrjournals.org, @2016
56. Kilifarska N. (2018) Ozone profile response to the series of coronal mass ejections and severe geomagnetic storm in September 2017, C. R. Acad. Bulg. Sci., Vol 73, No9, pp.1270-1276., @2018
57. Anna Bouzekova-Penkova, Silviya Simeonova, Rositza Dimitrova, Rayna Dimitrova (2020) Structural Properties of Aluminium Alloy Enhanced by Nanodiamond and Carbon Nanotubes, Compt. rend. Acad. bulg. Sci., Vol 73, No9, pp.1270-1276., @2020
58. Tsvetelina Velichkova, Natalya Kilifarska (2020) Inter-decadal Variations of the ENSO Climatic Mode and Lower Stratospheric Ozone, Comptes rendus de l'Academie bulgare des Sciences, Vol 73, No9, pp. 539-546., @2020
59. Andonov B., R. Bojilova, P. Mukhtarov (2021) Global distribution of Total Electron Content response to weak geomagnetic activity, C. R. Acad. Bulg. Sci. 74 (8), , @2021
60. Krastev K. (2023) Study of radiation conditions along the route and in orbit around Mars based on data from the Lyulin-MO instrument on board the ExoMars Trace Gas Orbiter, Space Research and Technology, Bulgarian Academy of Sciences, 141 p., @2023

61. Krastev K. (2023) Study of radiation conditions along the route and in orbit around Mars based on data from the Lyulin-MO instrument on board the ExoMars Trace Gas Orbiter. Institute for Space Research and Technology, Bulgarian Academy of Sciences, 45 p., @2023
 62. Krastev K., J. Semkova, R. Koleva (2023) Numerical Simulation of Liulin-MO Instrument for Measuring Cosmic Radiation Onboard ExoMars Trace Gas Orbiter. 1706., @2023 [Линк](#)
4. **Velinov P. I. Y..** (1966b) Ionization of lower ionosphere by cosmic rays. C. R. Acad. Bulg. Sci., 19 (4), 281-284, 1966, ISSN:1310–1331, JCR-IF (Web of Science):0.21
- Цитирана се в:
63. L. Krivský, V. Letfus (1967) Solar-Terrestrial Physics. Papers from the Inter-Union Symposium, Belgrade, Aug.-Sept. 1966. J. W. King and W. S. Newman, Eds. Academic Press, New York, 1967, illus., @1967
 64. Г. Несторов. Изв. АН СССР, сер физ., 1968, XXXII, 11, с. 1917-1923., @1968
 65. Л.И. Дорман, Л.И. Мирошниченко. Солнечные космические лучи, Изд.Наука, Москва, 1968, с.443: (2 citations), @1968
 66. М.Н. Фаткулин, Сб. Геофизика, ИНИ АН СССР, Москва, 1969, с. 3-31., @1969
 67. Л.И. Дорман, И.В. Дорман, Т.М. Крупицкая, Геомагн. Аэронавигация, 1974, 14, 6, 964., @1974
 68. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
 69. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (4 citations - p. 2, 3, 4, 5), @2013
 70. Tsvetelina Velichkova, Natalya Kilifarska (2020) Inter-decadal Variations of the ENSO Climatic Mode and Lower Stratospheric Ozone, Comptes rendus de l'Académie des sciences, pp. 539-546., @2020
 71. Velichkova-Tasheva T. P. (2020) Influencing Factors for Global and Regional Climate Variability, PhD Thesis, National Institute of Geophysics, Geodesy and Geography, Section "Physics of the Ionosphere", NIGGG Publishers, 135 p., @2020
5. **Velinov P. I. Y..** (1966bc) Contribution of cosmic rays to the ionization of the lower ionosphere. C. R. Acad. Bulg. Sci., 19 (10), 889-892, 1966, ISSN:1310–1331, JCR-IF (Web of Science):0.21
- Цитирана се в:
72. И.В. Дорман, Изв. АН СССР, Физ, 1973, 37, 1327., @1973
 73. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
 74. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл. V (с. 86-93), @1983
 75. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл. I (с.24-29), @1983
 76. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (4 citations - p. 2, 3, 4, 5), @2013
 77. Tsvetelina Velichkova, Natalya Kilifarska (2020) Inter-decadal Variations of the ENSO Climatic Mode and Lower Stratospheric Ozone, Comptes rendus de l'Académie des sciences, pp. 539-546., @2020
6. Nestorov G., **Velinov P. I. Y..** (1966) Effect of solar cosmic rays on lower ionosphere. C. R. Acad. Bulg. Sci., 19 (11), 1011-1014, 1966, ISSN:1310–1331, JCR-IF (Web of Science):0.21
- Цитирана се в:
78. L. Krivský. On the possibility of the conjunction of the Earth's magnetic field with a solar magnetic bottle. Bulletin of the Astronomical Institute of Czechoslovakia, 1967, 15, 1, 1-10, adsabs.harvard.edu, @1967
 79. L. Krivský, V. Letfus (1967) Solar-Terrestrial Physics. Papers from the Inter-Union Symposium, Belgrade, Aug.-Sept. 1966. J. W. King and W. S. Newman, Eds. Academic Press, New York, 1967, illus., @1967
 80. B. W. Lee, T. A. Seliga (1974) Analysis and Interpretation of CW Arcas Rocket Propagation Experiments Performed during the November 2, 1969 Polar Cap Absorption Event. J. Geophys. Res., 79, 10, 6007-6014, (http://www.sherpa.ac.uk/romeo/index.php), https://www.researchgate.net/publication/255360117_EFFECT_OF_SOLAR_COSMIC_RAYS_ON_LOW_IONOSPHERIC_ACTIVITY, @1974
 81. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979 (3 citations), @1979

1967

7. **Velinov P. I. Y..** (1967a) Some Analogies between Corpuscular and Wave Radiations by Their Influence on the Ionosphere. Geomagnetism and Aeronomy, 7, 5, 1967, ISSN:0016-7932, JCR-IF (Web of Science):0.947
- Цитирана се в:
82. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
 83. Bojilova R., P. Mukhtarov (2020) Relationship Between Short-term Variations of Solar Activity and Critical Frequencies of the Ionosphere Represented by FoF2 and h'pF2. J. Geophys. Res., 125, 1416-1424., @2020
8. **Velinov P. I. Y..** (1967b) Electron Production Rate Variations in the Lower Part of Ionospheric D - Region. Geomagnetism and Aeronomy, 7, 6, 1967, ISSN:0016-7932, 109
- Цитирана се в:
84. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

85. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл. V (с. 86-93)., @1983
 86. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл.I (с.24-29)., @1983
9. **Velinov P. I. Y., Nestorov G..** (1967) Effect of Solar Flares on the Low Ionosphere. C. R. Acad. Bulg. Sci., 20 (4), 1967, ISSN:1310–1331, 293-296. JCR-IF (Web of Science)
- Цитирана се в:
87. М.Н. Фаткулин, Сб. Геофизика, ИНИ АН СССР, Москва, 1969, с. 3-31., @1969
 88. E. Apostolov, Pure Appl. Geophys., 1973, 109, 1862. (2 citations), @1973
 89. В.И. Аксельрод, Геомагн. аэрон., 1975, 15, 639. (2 citations), @1975
 90. В.Ю. Аксельрод и др. Динамика нижней ионосферы, Изд. Наука, АН Каз ССР, 1975. (цитира се 4 пъти на с. 52, 53, 56, 57), @1975
 91. Е. Апостолов. Влияние солнечного рентгеновского излучения на ионизационное состояние нижней ионосферы. Диссертация на соискание ученой степени кандидата на физ.-математ. науки, БАН, София, 1975., @1975
 92. Ц. Пашова, И. Одинцова. Бълг. геофиз. списание, 1984, 10, 3, с. 39., @1984
 93. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (3 citations - p. 1, 2, 3), @2013
 94. S. Asenovski. PhD Thes. Autoref., ISRT, BAS Publishing House, Sofia, 2013., @2013
 95. Safinaz A. Khaled, Luc Damé, Mohamed A. Semeida, Magdy Y. Amin, Ahmed Ghitas, Shahinaz Yousef et al. (2020) Variations of the Hydrogen Lyman Alpha Line through the 2015-2016 Solar Cycle, Solar Wind 3 and SORCE/SOLSTICE Data, Comptes rendus de l'Académie bulgare des Sciences, Vol 73, No9, pp.1260-1269., @2020
10. **Velinov P. I. Y..** (1967c) Some Results of the Rate of Electron Production in the Cosmic Layer of Low Ionosphere. C. R. Acad. Bulg. Sci., 20 (11), 1967, ISSN:1310–1331, 103-106.
- Цитирана се в:
96. A.V. Tolmacheva. The contribution of cosmic rays to the ionization of the D-region of the ionosphere. Radiophysics and Quantum Electronics, June 1970, Volume 13, No. 6, pp. 103-106.
 97. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
 98. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (6 citations - p. 2, 3, 4, 5, 6, 7), @2013
 99. S. Asenovski. PhD Thes. Autoref., ISRT, BAS Publishing House, Sofia, 2013. (1 citation: p. 33), @2013
 100. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4861-0804038-46, @2016
11. **Velinov P. I. Y..** (1967d) On Electron Production Rates in the Polar Cap Ionosphere due to Solar Cosmic Rays. C. R. Acad. Bulg. Sci., 20 (12), 1275-1278, 1967, ISSN:1310–1331, 1275-1278.
- Цитирана се в:
101. М.Н. Фаткулин, Сб. Геофизика, ИНИ АН СССР, Москва, 1969, с. 3-31., @1969
 102. Ю. Г. Гуревич, В. А. Погребняк (1971) Распространение сильных цилиндрических и сферических электромагнитных волн в плазме, Геомагнетизм и аэрономия, 1971, 15, 1, 1-10.
 103. И.В. Дорман, Изв.АН СССР, Физ, 1973, 37, 1327., @1973
 104. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
 105. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд. Наука, Москва, 1983, гл. V (с. 86-93)., @1983
 106. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд. Наука, Москва, 1983, гл.I (с.24-29)., @1983
 107. Y. Tassev. Report on the the Fourth European Space Weather Week ESWW4, European Space Agency, ESA Coference Bureau, The EC COST Office, The Royal Liège University, Final A. Book, p. 51., @2007
 108. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics (IOSR-JAP), 8 (4) Ver. II (Jul. - Aug. 2016), pp. 38-46, www.iosrjournals.org, @2016
12. **Velinov P. I. Y..** (1967e) On the Planetary Distribution and Energy Ballance of the Cosmic Layer in Lower Ionosphere. (Review paper). Proc. Geophys. Inst., Vol. 11, BAS Plovdiv, 1967, 11, 23-30.
- Цитирана се в:
109. Г. Несторов. Абсорбция и морфология на ниската йоносфера, Изд. БАН, София, 1986., @1986
13. Nestorov G., **Velinov P. I. Y..** (1967) Additional Ionization in the Lower D-Region due to Solar Cosmic Rays Penetration. Proc. Geophys. Inst., 10, BAS, 1967, 23-30.
- Цитирана се в:
110. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
 111. К. Серафимов. Ниската йоносфера над Балканите, Централна и Източна Европа. Бълг. геофиз. списан., 1993, XIX, 2, 92-103. (2 citations), @1993

112. A.V. Tolmacheva. CR contribution to the D-region ionization the of the ionosphere, *Izvestiya Vysshikh Uchebnykh Zavedenii, Radiofizika*, Vol. 13, No. 6, pp. 830-836, 1970, 01/1970; 19(78):217-268. (Impact Factor: 18.06), @1970
113. G. Agnelli, M. Gimino, M. Cutolo, M. Pugliesi. Electromagnetic resonance phenomena and equipments to study the relation between solar activity and the magnetopla, 01/1970; 19(78):217-268. (Impact Factor: 18.06), @1970
114. R. Fransey, Electron Production in the Ionospheric D Region by Cosmic X Rays, *J. Geophys. Res.*, 1970, 75, 4849: (3 citations), @1970
115. Ramanamurty, Y.V., Mitra, A.P., Jain, V.C. (1970) Daytime ionospheric effect associated with X-ray flare from SCO XR-1, *Journal of Atmospheric and Terrestrial Physics*, 32(9), 1609-1614. (3 citations), @1970
116. Rowe, J.N., Ferraro, A.J., Lee, H.S., Kreplin, R.W., Mitra, A.P. (1970) Observations of electron density during a solar flare, *J. Atmos. Terr. Phys.*, 32 (9), 1609-1614. (3 citations), @1970
117. Tolmacheva, A. V. (1970). The contribution of cosmic rays to the ionization of the D-region of the ionosphere. *Radiophysics and Quantum Electronics*, 13(6), 655-660. (3 citations), @1970
118. Г.С. Иванов-Холодный, *Анн. Geophysics*, 1970, 26, 575., @1970
119. М.Н. Фаткулин, *Сб. Геофизика, ИНИ АН СССР, Москва*, 1970, с. 123., @1970
120. Dubach, J., Barker, W.A., Charged particle induced ionization rates in planetary atmospheres, *Journal of Atmospheric and Terrestrial Physics*, 33 (8), p.1287-1288, 1971, 10.1016/0032-0633(71)90147-4, Source NTRS, @1971
121. W.A. Barker, J. Dubach, P. T. McCormick, I.G. Poppoff, James S. Sims, Robert Craig Whitten (1971) The ionosphere of Mars below 80 km altitude—I, September 1971, 10.1016/0032-0633(71)90147-4, Source NTRS, @1971
122. Whitten, R.C., Poppoff, I.G., Sims, J.S., Barker, W.A., McCormick, P.T., Dubach, J., The ionosphere of Mars below 80 km altitude-II - Solar cosmic ray event, *Planetary and Space Science*, 1979, Aug 1971, @1971
123. D. P. Sharma, Jain, A. K., Chakravarty, S. C., Kasturirangan, K., Ramanathan, K. R., & Rao, U. R. (1972). Possibility of continuous monitoring of celestial X-ray sources from the nocturnal D-region ionosphere. *Astrophysics and Space Science*, 17(2), 409-425. (4 citations), @1972
124. S Ananthakrishnan, B Hackrad. Forbush decreases in the flux of galactic cosmic rays and associated VLF night-time propagation phenomena. *Planetary and Space Science*, 1972, Pages 81-87, Elsevier., @1972
125. Chakrabarty D.K., Purobi Chakrabarty. Some Studies on D-Region Electron Density Profiles. *Indian J. of Radio a. Space Physics*. Vol. 2, 1973, pp. 211-218., @1973
126. G.E.Perona, *Riv. Ital. Geophys*, 1973, 21, 215., @1973
127. И.В. Дорман, *Изв.АН СССР, Физ*, 1973, 37, 1327., @1973
128. Chakrabarty, D. K., Mitra, A. P. (1974) Theoretical models of D-region electron density profiles under different conditions, *Indian Journal of Radio & Space Physics*, Vol.03(1) [March 1974], @1974
129. E. M. Apostolov, A model of non-monotonically growing N(h) profiles of the lower ionosphere under non-flare conditions, *Pure and Applied Geophysics*, 1974, 112, 409-425. (3 citations), @1974
130. J. Lastovicka (1974), in: *Trav. Inst. Geophys. Acad. Czechosl. Sci.*, N 391, *Geofyzikalni sbornik XX*, Czech. Academia, Praha, 1974., @1974
131. Potemra, T. A. Ionizing radiation affecting the lower ionosphere. In: *ELF-VLF radio wave propagation*. Springer Netherlands, 1974. p. 21-37., @1974
132. Дж. Дубах, Р.С. Уиттен, Дж.С. Симс, *Planetary and Space Science*, 1974, 22, 525: Dubach, J. / Whitten, R.C. / Sims, J.S., The lower ionosphere of Venus, *Planetary and Space Science*, 1974, 22, 525: 536, Apr 1974. (2 citations), @1974
133. Gagliardini, D.A. / Karszenbaum, H., Electron production in the lower ionosphere by a diffuse galactic X-ray background. *Journal of Atmospheric and Terrestrial Physics*, 1975, 37, 115-122. (3 citations), @1975
134. KARSZENBAUM, HAYDEE / GAGLIARDINI, DOMINGO A., Galactic X-ray sources and the ionospheric D region. *Nature*, 257 (5521), p.34-35, Sep 1975, doi:10.1038/257034a0, IMPACT FACTOR = 42.351, @1975
135. L.J.C. Woolliscroft, X-ray sources and the ionosphere, *Nature*, 4 September 1975, 257, № 7043, 11-12. IMPACT FACTOR = 42.351, @1975
136. P. A. J. Ratnasiri, P. Sechrist (1975) An investigation of the solar zenith angle variation of D-region ionization, NTRS - NASA Technical Reports Server, Report Number: AERONOMY-67, UILU-ENG-75-2504, Publication Date: Apr 01, 1975, Document ID: 19750020524, Illinois Univ.; Urbana, IL, United States, 291 p., ISSN 0568-0581, @1975
137. Paul J. Crutzen, Ivar S. A. Isaksen, George C. Reid (1975) Solar Proton Events: Stratospheric Sources of Nitric Oxide, *Science*, 8 August 1975, 189, № 4201, 453-456. (3 citations), @1975
138. R.C. Whitten, I.G. Poppoff. *Fundamentals of Aeronomy*, John Wiley Son, Inc., New York, 1975., @1975
139. Е. Апостолов. Влияние солнечного рентгеновского излучения на ионизационное состояние нижней ионосферы. Диссертация на соискание ученой степени кандидата физико-математических наук, БАН, София, 1975: стр. 3 (2 пъти), стр. 49, 51, 90 (2 пъти) - фиг. 40 и 41: (6 citations), @1975
140. И. Таубенхайм, С.В. Субрахманиан, Г.Клайн. Rep. IV.1.6 на XVIII Плен. Конгрес на КОСПАР, 1975, с.8, 20, 21: (2 citations on p. 8 и 20), @1975
141. J. Laštovička, The dependence of the ionospheric absorption at 2775 kHz on the intensity of ionizing radiation—Ionospheric implications *Pure and Applied Geophysics*, 1976, 114(6), 891-908. (3 citations), @1976
142. Nath, N., & Setty, C. S. G. K. (1976). The D-region ion composition. *Pure and Applied Geophysics (PAGEOPH)*, 114(6), 891-908. (3 citations), @1976
143. Poppoff, I. G., & Whitten, R. C. (1976). The mesosphere. *Geophysical surveys*, 2(4), 399-429. DOI: 10.1007/BF01454193 (2 citations), @1976
144. JD Mitchell, RS Sagar, RO Olsen. Positive ions in the middle atmosphere during sunrise conditions. *Space research XVII*, Oxford and New York, 1977, 10.1007/BF00876933 (3 citations), @1977
145. M JD, RS SAGAR, RO OLSEN Positive Ions in the Middle Atmosphere during Sunrise Conditions - *Proceedings of Open Meetings of Working Groups on Physics of the Ionosphere*, 1977., @1977
146. Read G.S., Monography, VK 05270 (according Citation Index 1977), 1, 269., @1977
147. Р. Уиттен, И. Поппофф. Основы аэронамии, Гидрометеиздат, 1977, с. 374., @1977

148. G. Satori. Acta Geodes. Geophys. Montan. Acad. Sci. Hung., 1978, 13, 3/4, pp. 475-480, 485: (3 citations), @1978
149. GC REID - The Earth, 1: The Upper Atmosphere, Ionosphere, and Magnetosphere, Gordon & Breach, N.Y., 1978 - books.google.com, @1978
150. Reid, G. C. (1978). Polar cap absorption-Observations and theory. Handbook of Astronomy, Astrophysics and Geophysics, 1, 269-302., @1978
151. M. Friedrich, Torkar, Rose, Widdel. The seasonal variation of radio wave absorption in Europe, J. Atmos.-Terr. Phys., 1979, 41, 1163: (2 citations), @1979
152. R. H. Holzworth, F. S. Mozer. Direct evidence of solar flare modification of stratospheric electric fields. Journal of Geophysical Research Atmospheres (Impact Factor 1.007), 1979, 84, 2559., @1979
153. R.H. Holzworth. J. Geophys. Res., 1979, 84, 2559., @1979
154. RD Hudson, El Reed. The stratosphere: Present and future. NASA-Reference Publication 1049 Technical Report, 1979, 449 p., ntrs.nasa.gov., @1979
155. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979: (3 citations), @1979
156. Jan Laštovička, Josef Boška, L. Křivský, Day-time ionospheric disturbances of corpuscular origin in the midlatitude D-region Studia Geophysica et Geodaetica, 1980, 33, 10.1007/BF01634412, @1980
157. M. Schulz, J. Geomagn., 1980, Vol. 32, p. 507., @1980
158. Б. Роговски, Мезопром., ВК 15455, 1980, 34, 46., @1980
159. Я. Ластовичка, в: Artificial Satellites, Изд. ПАН, Варшава - Лодз, т.15, №3, 1980, с.155., @1980
160. Tomko, A. A. (1981). Nonlinear Phenomena Arising From Radio Wave Heating of the Lower Ionosphere, PhD Thesis (No. PSU-IRL-SCI-470). PENNSYLVANIA STATE UNIVERSITY, IONOSPHERE RESEARCH LAB., 186 p., @1981
161. Chakrabarty, P., Meek, C.E., Chakrabarty, D.K., Manson, A.H. (1982) Results inferred from electron density measurements at Saskatoon, Canada (L = 4.4) by a parabolic method. J. Geophys. Res., 87, 957-962., @1982
162. J. Laštovička. Nitric oxide concentration near the mesopause as deduced from ionospheric absorption measurements Pure and Applied Geophysics, 1982, 119, 10.1007/BF00876646, @1982
163. J. Lastovicka: Trav. Inst. Geophys. Acad. Tchechosl. Sci., N 544, Geofyzikalni sbornik XXVIII, Acad., Praha, 1982., @1982
164. H.C. Zhuang, R.G. Robble. Sci. Sinica, ser.A, 1983, 26, 9, 1004-1016., @1983
165. Lastovicka, J., Diurnal asymmetry of NO concentration in the summer upper mesosphere in Central Europe. Czechoslovak Solar Symp., SUM, Hurbanovo 1983, p. 10.
166. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл. V (с. 86-93), @1983
167. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл.I (с.24-29), @1983
168. 庄洪春, R.G.ROBLE (1983) COSMIC RAY IONIZATION IN EARTH'S ATMOSPHERE AND ITS MODULATION BY SOLAR ACTIVITY, Science, 220, 10.1126/science.1220100, http://www.cnki.com.cn/Article/CJFDTotal-JAXG198309009.htm, @1983
169. A.B. Swamy, C. Setty. Photoionization balance and ion composition model in the equatorial D-region over Thumba, Advances in Space Research, Volume 4, Issue 6, 1984, 10.1016/0273-1177(84)90009-0, @1984
170. G. Brasseur, S. Solomon. Aeronomy of the Middle Atmosphere. Chemistry and Physics of the Stratosphere and Mesosphere. Reidel Publ. Company, Dordrecht, 1985, 10.1007/978-94-009-4000-0, @1985
171. Swamy, A. B., Rajeev, V. K., Zachariah, J., Setty, C. S. G. K. (1984) Relative importance of solar X-rays below 10 Å and pulsed HF radiowave absorption at 2.132 MHz under different conditions, Advances in Space Research, 4(6), 139-142., @1984
172. Г. Шатори, в: Возмущения внеземного происхождения в нижней ионосфере, Семинар КАПГ, Прага, 1984, Изд. ЧСАН, с. 30., @1984
173. Swamy, A. B., Rajeev, V. K., Zachariah, J., & Setty, C. S. G. K. (1985). 2.132 MHz FREQUENCY OVER DELHI UNDER SOLAR FLARE CONDITIONS. In Dust in the Solar Wind: Topical Meeting of the COSPAR Interdisciplinary Scientific Commission B (Meetings B1 and B2) of the COSPAR Twenty-fifth Plenary Meeting Held in Graz, Austria (pp. 139-142). Pergamon Pr., @1985
174. Swamy, A. B., Rajeev, V. K., Zachariah, J., Setty, C. S. G. K. (1985) 2.132 MHz Frequency over Delhi under Solar Flare Conditions. Advances in Space Research, 4(6), 139-142., @1985
175. Ye, Z.H.; Deng, R.H., The possibility of the intensity variation of galactic cosmic-rays in the ionospheric d-region determined from the vlf phase-changes, Acta geophysica Sinica, 1985, 6, 0001-5733., @1985
176. Л.П. Морозова, Я. Лаштовичка. Геомагн. аэрон., 1985, 25, 2, 322-324., @1985
177. Г. Несторов. Абсорбция и морфология на ниската йоносфера, Изд. БАН, София, 1986: (4 citations), @1986
178. Holzworth, R. H., Norville, K. W., & Williamson, P. R. (1987). Solar flare perturbations in stratospheric current systems. Geophysical research letters, 14(8), 852-855.
179. J. Datta, S.C. Chakravarty, A.P. Mitra. Ind. J. Radio Space Phys., 1987, 16, pp. 257-266: (3 citations), @1987
180. Lastovicka, J. (1987) Diurnal asymmetry of NO concentration in the summer upper mesosphere in Central Europe, Adv. Space Res., 7(9), 111-114., @1987
181. Balachandra Swamy, A. C. (1991). A new technique for estimating D-region effective recombination coefficients under different solar flare conditions. Astrophys. J., 351, 164., @1991
182. G. Satori, Combined ionospheric effect due to Forbush decreases and magnetospheric high energy particles at mid-latitudes, J.Atmos. Terr. Phys., 1991, 53, N 3-4, 10.1016/0273-1177(91)90009-0, @1991
183. Julianne I.Moses, MarkAllen, Yuk L.Yung (1992) Hydrocarbon nucleation and aerosol formation in Neptune's atmosphere, Icarus, Elsevier, Volume 99, 10.1016/0019-1035(92)90149-2, @1992
184. Y. Tassev (1992) Ozone profile behavior over south-eastern Europe during solar maximum and minimum, C. R. Acad. Bulg. Sci. (Dokladi na Bolgarskata Akademiya na Naukite), 1992, 15, Pages: 37-40., @1992
185. Upadhyay, H. O., Singh, R. P., & Singh, R. N. (1994). Cosmic ray ionization of lower Venus atmosphere. Earth, Moon, and Planets, 65(1), 89-94., @1994
186. Upadhyay, H. O., & Singh, R. N. (1995). Cosmic ray ionization of lower Venus atmosphere. Advances in Space Research, 15(4), 99-108., @1995

187. L. Mateev. Bulg. Geophys. J., 1997, 23, 2, 87-95: (3 citations), @1997
188. Beig Gufran (2000) The relative importance of solar activity and anthropogenic influences on the ion composition, temperature, and associated neutrals of the mid Geophysical Research Atmospheres 105(D15):19841-19856, DOI: 10.1029/2000JD900169, @2000
189. G. Beig, Guy P. Brasseur, Bhishma Tyagi, Vikas Singh, Sachin S Gunthe, Philippe Keckhut, Robert P. Lowe, Martin G. Mlynchak, Victor Fomichev et al. (2000) SYSTEM-OF-AIR-QUALITY-AND-WEATHER-FORCASTING-AND-RESEARCH-SAFAR, <https://www.researchgate.net/project/SYSTEM-OF-AIR-QUALITY-AND-WEATHER-FORCASTING-AND-RESEARCH>
190. G.S. Rumi, On the relation between ionospheric winter anomalies and solar wind, Annali di geofisica, 2001, 44, 3, pp.475 - 504: DOI: 10.4401/ag-3571 (9 citations),
191. Buchvarova, M. (2005) Model of Galactic and Anomalous Cosmic Ray Spectrum in the Planetary Ionospheres. Calculation of CR Ionization Effects in the Ionosphere. Accelerating science, url = <https://home.cern/>; CERN Document Server, url = <https://cds.cern.ch/record/957418>, @2005
192. Christiano Garnett Marques Brum, Manga Iathayil Ali, Abdulnez Staciari Batista, Fabio Vargas, José Henrique Fernandez (2005), Conference: 9th International Society & EXPOGEF, Salvador, Bahia, Brazil, 11-14 September 2005, pp. 1-5, DOI: 10.1190/sbgf2005-444, @2005
193. Dumas, M.; Borie, J.C.; Palau, M.C.; Guillet, N. Neutron spectra in the atmosphere: Influence of solar particle events in: Radiation and Its Effects on Components of the Atmosphere. European Conference on Publication Date: 19-23 Sept. 2005, page(s): PD4-1-PD4-5, Location: Cap d'Agde, France., @2005
194. L. Desorger, E. O. Flückiger, M. Gurtner (2005) The Planetocosmics Geant4 application, University Hospital of Lausanne, Institute of radiation physics, , @2005
195. T. M. Zaboronkova, C. Krafft, A. V. Kudrin and M. Yu. Lyakh. Whistler Wave Emission from a Modulated Electron Beam in a Collisional Magnetoplasma in the Presence of a Magnetic Field. Quantum Electronics, Volume 48, Number 9 / September, 2005, 650., @2005
196. Desorger, E. Flückiger, M. Gurtner (2006) The Planetocosmics Geant4 application https://www.researchgate.net/publication/241603312_The_Planetocosmics_Geant4_application/references, @2006
197. Y. Tassev. Statistical analysis of the response of ozone, temperature and pressure during and after solar proton event from 20 January 2005. Report on the results of the ESOW4, European Space Agency, ESA Conference Bureau, The EC COST Office, The Royal Library of Belgium, Brussels, 5 - 9 November 2007, Final Abstr. Book, @2007
198. М. Бъчварова. Моделиране на спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за образование в научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007: (4 citations on p. 77, 86, 88, 90), @2007
199. П. Тонев. Моделиране на разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане на научната специалност 01.04.08. - Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007: (4 citations), @2007
200. Jean Lilensten, Anna Belehaki, Mauro Messerotti, Rami Vainio, Jurgen Watermann, Stefaan Poedts (2008) COST 724 final report: Developing the scientific basis for monitoring Space Weather, January 2008, Publisher: COST Office, ISBN: 978-92-898-0044-0, @2008
201. P. Tonev. Electric breakdown occurrence in atmosphere above lightning - impact of conductivity and discharge parameters. Compt. rend. Acad. bulg. Sci., 61, 2008, 103-108, @2008
202. Usoskin, I., et al. (2008) Solar and Galactic Cosmic Rays in the Earth's Atmosphere, in "COST 724 final report: Developing the scientific basis for monitoring, modelling and predicting space weather", J. Lilensten, A. Belehaki, M. Messerotti, R. Vainio, J. Watermann, S. Poedts, COST Office, Luxembourg, 2008 (ISBN 978-92-898-0044-0), pp. 124-132., @2008
203. Y. Tassev. Relationships between low energy proton flux and ozone, temperature and pressure during and after the solar proton event from 20 January 2005. Comptes Rendus de l'Académie Bulgare des Sciences, 2., @2008
204. G. C. Rumi (2009) On the relation between ionospheric winter anomalies and solar wind, January 2009, DOI: 10.4401/ag-3571, LicenseCC BY 4.0, @2009
205. L. Alexandrov (2009) Application of afixy-code for parameterization of ionization yield function Y in the atmosphere for primary cosmic ray protons, Laboratory of Theoretical Physics, Institute for Nuclear Research and Nuclear Energy, Sofia, Bulgaria, Russia arXiv:0712.3174v3, @2009
206. Usoskin, Ilya, et al. (2009) Ionization of the Earth's atmosphere by solar and galactic cosmic rays, Acta Geophysica 57 (1), 88-101., @2009
207. Lachezar Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. Comptes rendus de l'Académie Bulgare des Sciences, 600. (3 citations), @2010
208. Marusja Buchvarova. Integral Primary Cosmic Ray Spectra in the Planetary Atmospheres in Extreme Phases of the Solar Cycle. Comptes rendus de l'Académie Bulgare des Sciences, pp.419-426., @2010
209. S. A. Haider, V. Sheel, M. D. Smith, W. C. Maguire, G. J. Molina-Cuberos (2010) Effect of dust storms on the D region of the Martian ionosphere: Atmospheric electric fields and ionization. J. Geophys. Res., VOL. 115, A12336, 10 PP., 2010. Doi:10.1029/2010JA016125, @2010
210. Sudipta Sasmal, Sandip Kumar Chakrabarti, Sujay Pal, Tamal Basak (2011) A comparative study of VLF signals from several transmitters around the world as observed from Indian Antarctic station, Published in IEEE: General Assembly and Scientific Symposium, Istanbul, 13-20 Augusty, IEEE. DOI: 10.1109/URSIGASS.2011.6051002, @2011
211. Robert J. Lillis, David A. Brain, Gregory T. Delory, David L. Mitchell, Robert P. Lin (2012) Evidence for superthermal secondary electrons produced by SEP ionization in the Earth's ionosphere. Geophysical Research-Planets, Volume: 117 Article Number: E03004 DOI: 10.1029/2011JE003932, Published: MAR 8 2012, @2012
212. Tonev P. (2012) Electric response of high latitudinal middle atmosphere to solar wind characteristics studied by model simulations. SES 2011, Seventh Scientific Conference on SPACE, ECOLOGY, SAFETY, 29 November – 1 December 2011, BAS Publishing, Sofia, pp. 49-54., @2012
213. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [17 citations: p. 134, 135, 136, 142, 143], @2013
214. S. Asenovski. PhD Thes. - Autoref., ISRT, BAS Publishing House, Sofia, 2013., @2013
215. Pkesh Pal, Sudipta Sasmal, Sandip Chakrabarti (2014) Studies of seismo-ionospheric correlations using anomalies in phase of very low frequency signal, Published in IEEE: General Assembly and Scientific Symposium (URSI GASS), 2014 XXXIth URSI, Beijing, China, DOI: 10.1109/URSIGASS.2014.6929821, @2014
216. Sasmal, S., P. Pal (2014) Study of long path VLF signal propagation characteristics as observed from Indian Antarctic station, Maitri, Adv. Space Res., 54, 1619–1624, @2014
217. Zigman, V., Kudela K., Grubor D., Response of the Earth's lower ionosphere to the Ground Level Enhancement event of December 1989, <http://dx.doi.org/10.1016/j.asr.2013.12.026>, @2014
218. Sudipta Sasmal, Sourav Palit, Sandip K. Chakrabarti. Sudipta Sasmal, Sourav Palit, Sandip K. Chakrabarti. Modeling of long path propagation characteristics of VLF signals observed from Indian Antarctic Expedition, Journal of Geophysical Research: Space Physics 120(10) • September 2015 DOI: 10.1002/2015JA021400, @2015

219. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/486
220. D.A. Kotovsky, R.C. Moore, Photochemical response of the nighttime mesosphere to electric field heating—Onset of electron density enhancements, Journal of Geophys Res, 121, Issue 5, pages 4782–4799, May 2016 DOI: 10.1002/2015JA022054, @2016
221. Kotovsky, D. A., & Moore, R. C. (2016) Photochemical response of the nighttime mesosphere to electric field heating—Recovery of electron density enhancements, Journal of Geophys Res, 121, Issue 3, 16 February 2016, Pages 952–960, DOI: 10.1002/2015GL067014, @2016
222. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, World Applied Sciences Journal 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5829/idosi.wasj.2016.34.03.312-317
223. Umahi, A. E. (2016) Impact of High Energy Charged Galactic Particle Variations in the Earth's Atmosphere, Middle-East Journal of Scientific Research, 10.5829/idosi.mejsr.2016.24.05.23456, @2016
224. Umahi, A.E, (2016). Earth's Environmental Pollution from Galactic Cosmic Rays Flux, World Applied Science Journal, 34 (3), 338-342, DOI: 10.5829/idosi.wasj.2016.34.03.338-342
225. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udejaja, V.N., Anih, J.O., Onyia, A.I., Adieme, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, E. (2016) Cosmic Rays in the Atmosphere, IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), e-ISSN: 2319-2402, p- ISSN: 2319-2399, pp. 80-84, www.iosrjournals.org, @2016
226. Pkesh Pal, Sudipta Sasmal, Sandip Chakrabarti, Studies of seismo-ionospheric correlations using anomalies in phase of very low frequency signal, Geomatics, Natural Hazards and Earth System Sciences, 10.1080/19475705.2016.1161666, @2017
227. Young-Sook Lee, Yong Ha Kim, Kyung-Chan Kim, Young-Sil Kwak, Timothy Sergienko, Sheila Kirkwood, Magnar G. Johnsen (2018) EISCAT Observation of Wave Activity in the Polar Mesospheric Summer Echoes Associated With a Geomagnetic Disturbance, June 2018, Journal of Geophysical Research: Space Physics, DOI: 10.1029/2018JG
228. Bouzekova-Penkova A., P. Tzvetkov (2019) Investigation of Outer Space Influence on Structural Properties of Strengthened 7075 Aluminum Alloy. Experiments Onboard International Space Station, C. R. Acad. Bulg. Sci., 72 (7), 939-946., @2019 [Линк](#)
229. G. D. Dorrian, A. G. Wood, A. Ronskley, A. Aruliah, G. Shahtahmassebi (2019) Statistical modelling of the coupled F-region ionosphere-thermosphere at high latitudes, Journal of Geophysical Research: Space Physics, 124(2), pp. 1-21, doi: 10.1029/2018JA026171, @2019
230. Karan Molaverdikhani, Thomas Henning, Paul Mollière (2019) From cold to hot irradiated gaseous exoplanets: Fingerprints of chemical disequilibrium in atmospheric spectra, (astro-ph.EP), arXiv:1908.09847 [astro-ph.EP], (Submitted on 26 Aug 2019): 33 pages, 22 figures., @2019 [Линк](#)
231. Kilifarska N., R. Bojilova (2019) Geomagnetic Focusing of Cosmic Rays in Lower Atmosphere. Evidence and Mechanism, C. R. Acad. Bulg. Sci., 72 (3), 365-374., @2019
232. Molaverdikhani K., Henning T., Mollière P. (2019) From cold to hot irradiated gaseous exoplanets: Fingerprints of chemical disequilibrium in atmospheric spectra, The Astrophysical Journal, 881(2), 10.3847/1538-4357/ab3e30, @2019
233. Anna Bouzekova-Penkova, Yordan Mirchev (2020) Destructive and Nondestructive Testing of the Mechanical Properties of Aluminium Alloy Enhanced by Nanodiamonds in Space, Comptes rendus de l'Académie bulgare des Sciences, Vol. 73, No. 4, pp. 547-552., @2020
234. Bouzekova-Penkova Anna, Silviya Simeonova, Rositza Dimitrova, Rayna Dimitrova (2020) Structural Properties of Aluminium Alloy Enhanced by Nanodiamond and Carbon Nanotubes, Compt. rend. Acad. bulg. Sci., Vol 73, No9, pp.1270-1276., @2020
235. G. K. Ustinova, V. A. Alexeev (2020) Monitoring of Spatial and Temporal Variations in the Production Rates of Cosmogenic Radionuclides in Chondrites of Different Types, Meteoritics and Planetary Science, 55(5):487-499. DOI: 10.1111/S0016702920050110, @2020
236. Galina Ustinova, Victor Alexeev (2020) Мониторинг временных и пространственных вариаций скоростей образования космогенных радионуклидов в выпадающих метеоритах, ГЕОХИМИЯ, 2020, том 65, No 5, с. 417–430, Project: Meteorite Patrol Service for Study of Solar (Temporal and Spatial) Modulation of Galactic Cosmic Rays in the heliosphere over a long time scale, DOI: 10.31857/S0016752520050131, @2020
237. Karan Molaverdikhani (2020) Characterization of Planetary Atmospheres, PhD Thesis, January 2020, Max Planck Institute for Astronomy, University of Heidelberg, Germany
238. Safinaz A. Khaled, Luc Damé, Mohamed A. Semeida, Magdy Y. Amin, Ahmed Ghitas, Shahinaz Yousef et al. (2020) Variations of the Hydrogen Lyman Alpha Line through the 2 and SORCE/SOLSTICE Data, Comptes rendus de l'Académie bulgare des Sciences, Vol 73, No9, pp.1260-1269., @2020
239. Tsvetelina Velichkova, Natalya Kilifarska (2020) Inter-decadal Variations of the ENSO Climatic Mode and Lower Stratospheric Ozone, Comptes rendus de l'Académie bulgare des Sciences, Vol 73, No9, pp. 539-546., @2020
240. Velichkova-Tasheva T. P. (2020) Influencing Factors for Global and Regional Climate Variability, PhD Thesis, National Institute of Geophysics, Geodesy and Geography, Section "Physics of the Ionosphere", NIGGG Publishers, 135 p., @2020
241. Andonov B., R. Bojilova, P. Mukhtarov (2021) Global distribution of Total Electron Content response to weak geomagnetic activity, C. R. Acad. Bulg. Sci. 74 (8), @2021
242. D. Teodosiev, A. Bouzekova-Penkova, K. Grigorov, R. Nedkov, P. Tzvetkov, B. Tsytarski, A. Kosateva, S. Klimov, V. Grushin (2021) Structural and Mechanical Properties of 7075 Aluminum Alloy after an Extended Stay on the International Space Station (ISS), C. R. Acad. Bulg. Sci., 74 (2), 197-206., @2021
243. V. Guineva, R. Werner, R. Bojilova, L. Raykova, I. V. Despirak (2021) Mid-latitude positive bays during substorms by quiet and disturbed conditions, C. R. Acad. Bulg. Sci. 74 (8), @2021
244. D. K. Tripathi, S. Karan, S. Nandi (2023) A critical review on attenuation of radio waves due to variation in electron density of ionosphere, World Scientific News 182, 1-10, @2023
245. Kolarski A., N. Veselinovich, V. Sreckovich, Z. Mijic, M. Savich, A. Dragi (2023) Impacts of Extreme Space Weather Events on September 6th, 2017 on Ionospheric Parameters, Space Weather Sensing 15(5):1403, DOI: 10.3390/rs15051403, @2023 [Линк](#)
246. Safinaz A. Khaled, Luc Dame., Amira Shimeis, Shahinaz Yousef, M. A. Semeida et al. (2023) Statistical study of confined filament/prominence eruptions during solar minimum, Solar Wind and Space Weather, 1384-1392. DOI:10.7546/CRABS.2023.09.09, @2023 [Линк](#)
247. Sura I. Gburi, Najat M. R. AL-Ubaidi (2023) Effect of solar proton events on the electron density of the ionosphere for different altitudes, African Journal of Science, Technology, Innovation and Development, https://doi.org/10.1063/5.0167912, @2023 [Линк](#)

15. Velinov P. I. Y.. (1968b) On Ionization of Lower Ionosphere by Cosmic Rays. Geomagnetism and Aeronomy, 8, 3, 1968, ISSN:0016-7932, 448-456. JCR-IF (Web of Science) 0.15

Цитирана се в:

248. М.Н. Фаткулин, Сб. Геофизика, ИНИ АН СССР, Москва, 1970, @1970

249. А.Л.Корсунова. Геомагнетизм и аэрономия, 1973, 13, 5, 835, @1973
 250. И.В. Дорман, Изв.АН СССР, Физ, 1973, 37, 1327, @1973
 251. Г.А. Петрова, Б.Е. Брюнелли, Энергетические частицы в авроральной магнитосфере, Изд. ПГИ КФ АН СССР, Апатиты, 1977, стр.45-54: (2 citations), @1973
 252. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
 253. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд. Наука, Москва, 1983, гл. V (с. 86-93), @1983
 254. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд. Наука, Москва, 1983, гл. I (с.24-29)., @1983
 255. L. Mateev. Bulg. Geophys. J., 1997, 23, 2, 87-95: (2 citations), @1997
 256. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (5 citations - p. 2, 3), @2013
 257. S. Asenovski. PhD Thes. Autoref., ISRT, BAS Publishing House, Sofia, 2013., @2013
 258. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. Acad. Bulg. Sci., 65, 11. (2 citations), @2017
16. Velinov P. I. Y.. (1968c) ???On the Planetary Distribution and Energy Balance of the Cosmic Layer in Lower Ionosphere. (Review paper). Bulletin of the Russian Academy of Sciences: Physics, 32, 11, 1968, ISSN: 0013-788X (Science):0.781
- Цитира се в:
259. NASA Technical Reports, <http://ntrs.nasa.gov/search.jsp?N=4294653985> Publ. Year: 1968, Added to NTRS: 2007-10-23 Accession Number: 70N36048; Document ID: TT-F-13024, @1968
 260. Г. Несторов. Доклади БАН, 1970, 23, 12, с.1484., @1970
 261. Г. Несторов. Доклади БАН, 1970, 23, 2, с.149, 151, 152: (2 citations), @1970
 262. Г. Несторов. Геомагн. аэрономия, 1972, 12, 1, с.35, 43: (2 citations), @1972
 263. Г. Несторов. Геомагн. аэрономия, 1972, 12, 3, 444-445., @1972
 264. Г. Несторов. Изв. ГФИ БАН, 1972, XVIII, с. 20, 24, 34, 35, 54: (2 citations), @1972
 265. Г.А. Петрова, Б.Е. Брюнелли, Энергетические частицы в авроральной магнитосфере, Изд. ПГИ КФ АН СССР, Апатиты, 1977, стр.45-54: (2 citations), @1973
 266. Г. Несторов. Бълг. геофиз. списание, 1979, 5, 3, 20, 24: (2 citations), @1979
 267. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
 268. L. Mateev. Bulg. Geophys. J., 1997, 23, 2, 87-95: (2 citations), @1997
 269. Tonev P. (2011) Electric response of high latitudinal middle atmosphere to solar wind characteristics studied by model simulations. SES 2011, Seventh Scientific Conference on SPACE, ECOLOGY, SAFETY, 29 November – 1 December 2011, BAS Publishing, Sofia, pp. 49-54. (3 citations), @2011
 270. Tonev P. 2012, Estimation of Currents in Global Atmospheric Electric Circuit with Account of Transpolar Ionospheric Potential. C.R. Acad. Bulg. Sci., 65, 11. (2 citations), @2012
 271. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (8 citations - p. 2, 3), @2013
 272. S. Asenovski. PhD Thes. Autoref., ISRT, BAS Publishing House, Sofia, 2013., @2013
 273. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4861-0804038-46, @2016
 274. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. Acad. Bulg. Sci., 65, 11. (2 citations), @2017
17. Velinov P. I. Y.. (1968d) Electron Production Rate Variations in the Lower Ionosphere. Bulletin of the Russian Academy of Sciences: Physics, 32, 11, 1968, ISSN: 0013-788X (Science):0.781
- Цитира се в:
275. Г. Несторов. Доклади БАН, 1970, 23, 12, с.1484., @1970
 276. Г. Несторов. Доклади БАН, 1970, 23, 2, с.149, 151, 152. (3 citations), @1970
 277. Г. Несторов. Геомагн. аэрономия, 1972, 12, 1, с.35, 43: (2 citations), @1972
 278. Г. Несторов. Геомагн. аэрономия, 1972, 12, 3, 444-445., @1972
 279. Г. Несторов. Бълг. геофиз. списание, 1979, 5, 3, 20, 24: (2 citations), @1979
 280. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
 281. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд. Наука, Москва, 1983, гл. V (с. 86-93)., @1983
 282. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд. Наука, Москва, 1983, гл. I (с.24-29)., @1983
 283. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (6 citations - p. 2, 3), @2013
 284. S. Asenovski. PhD Thes., Autoref., ISRT, BAS Publishing House, Sofia, 2013. (1 citation: p. 5), @2013
18. Velinov P. I. Y.. (1968i) On the Protection from Cosmic Rays and Internal Radiation Belt in the Space Flights. (Review paper). In: Space exploration and applications. Conference on the Exploration and Peaceful Uses of Outer Space, Vienna, Austria, 14-27 August 1968, A/CONF. Report 34/IV, B.4, United Nations Publishers, New York, A_7285-EN, 1968, pp. 1-21.

Цитира се в:

285. Л. Кръстанов. Българските учени на световните форуми. Международният календар на БАН през тази година. Практическо използване на космическа конференция на ООН за мирно използване и изследване на космическото пространство, Виена, 1968, ООН, Ню Йорк, с.52. Седемте доклада по космическо пространство през 1967 г. Отеч. фронт, бр. 7263, 23.01.1968., @1968
286. RSIC Newsletter. Radiation Shielding Information Center. Oak Ridge National Laboratory, No. 51, February 1969 / P. Velinov. United Nations Paper 68 - 95260 (A69)
287. К. Серафимов. България и Космосът, Изд. Народна младеж, София, 1979., @1979
288. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
289. Jordanka Semkova, Rositza Koleva. Overview on Radiation Quantities Observed by Liulin-5 Instrument in a Human Phantom on the International Space Station during the STS-60 Mission. Comptes rendus de l'Academie bulgare des Sciences, Vol 63, 2010, No10, pp. 1533-1546., @2010
290. Mariana Goranova, Jordanka Semkova, Bogdan Shishedjiev, Stefka Genova (2013) SOA-Based Intensive Support System for Space Radiation Data, Comptes rendus de l'Academie bulgare des Sciences, Vol 66, No1, pp.83-92., @2013
291. Bouzekova-Penkova A., P. Tzvetkov (2019) Investigation of Outer Space Influence on Structural Properties of Strengthened 7075 Aluminum Alloy. Experiments Onboard the International Space Station. C. R. Acad. Bulg. Sci., 72 (7), 939-946., @2019
292. Anna Bouzekova-Penkova, Yordan Mirchev (2020) Destructive and Nondestructive Testing of the Mechanical Properties of Aluminium Alloy Enhanced by Nanodiamonds in Space, Comptes rendus de l'Academie bulgare des Sciences, Vol. 73, No. 4, pp. 547-552., @2020

19. Velinov P. I. Y.. (1968e) On Ionization of the Polar Ionosphere by Solar Cosmic Rays. C. R. Acad. Bulg. Sci., 21 (1), 1968, 19-22. JCR-IF (Web of Science):0.21

Цитира се в:

293. М.Н. Фаткулин, Сб. Геофизика, ИНИ АН СССР, Москва, 1969, с. 3-31., @1969
294. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

20. Velinov P. I. Y.. (1968f) On Dependences between Cosmic Rays Variations and Lower Ionosphere Behaviour. C. R. Acad. Bulg. Sci., 21 (2), 1968, 115-118. JCR-IF (Web of Science):0.21

Цитира се в:

295. М.Н. Фаткулин, Сб. Геофизика, ИНИ АН СССР, Москва, 1970, @1970
296. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
297. Й.К. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за присъждане обр. на степен на доктор на науките. София, 2004: Гл. 2: р. 146, @2004

21. Velinov P. I. Y.. (1968g) On Variations in Electron Production Rate in the Ionosphere. C. R. Acad. Bulg. Sci., 21 (6), 1968, ISSN:1310-1331, 525-528. JCR-IF (Web of Science):0.21

Цитира се в:

298. М.Н. Фаткулин, Сб. Геофизика, ИНИ АН СССР, Москва, 1970, @1970
299. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979

22. Velinov P. I. Y.. (1968h) On Cosmic Ray Influence over High Latitude Ionosphere. (Review paper). Proc. Geophys. Inst., Vol. 13, BAS Publishers, Sofia, 1968, pp. 99-126.

Цитира се в:

300. И.В. Дорман, Изв.АН СССР, Физ, 1973, 37, 1327, @1973
301. В.М. Дриацкий. Природа аномального поглощения космического радиоизлучения в нижней ионосфере высоких широт, Гидрометеиздат, Ленинград, 1974
302. Л.И.Дорман, И.В.Дорман, Т.М.Крупицкая, Геомагн. Аэрономия, 1974, 14, 6, 964., @1974
303. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл. V (с. 86-93)., @1983
304. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл.I (с.24-29)., @1983

1969

23. Velinov P. I. Y.. (1969) Cosmic Ray Effects in the Lower Ionosphere. PhD THESIS (DISSERTATION for Doctor of Physics and Mathematics), 162 p., Reviewers: 1) Prof. Dr. Velinov P. I. Y. (Bulgarian Academy of Sciences); 2) Assoc. Prof. Dr. Botjo Betev (Physical Institute with ANEB - BAS), Geophysical Institute, Bulgarian Academy of Sciences, Sofia, 1969, 162

Цитира се в:

305. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

24. Velinov P. I. Y., Nestorov G., Georgieva G.. (1969) Investigation of the Earth Ionosphere Ionization Created by Galactic and Solar Cosmic Rays. In the Book: Interplanetary Cosmic Rays and the Earth's Ionosphere, by acad. S. N. Vernov, St. Peterbourg, Academy of Sciences of USSR, 1969, 267-276.

Цитира се в:

306. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
307. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за степен стр. 86, @2007
25. **Velinov P. I. Y.**, Dorman L. I., Nestorov G.. (1969) Forbush Effect Influence on the Cosmic Layer Behaviour in the Lower Ionosphere. Geomagnetism and Aeronomy, 9, 1 (Web of Science):0.947
- Цитирана се в:
308. S.-I. Akasofu, S. Chapman. Solar-Terrestrial Physics, Clarendon Press, 1972, v. 1., @1972
309. Г.С. Иванов-Холодный. Сб. Геофизика, ИНИ АН СССР, Москва, 1972., @1972
310. С.И. Акасофу, С. Чепмен. Солнечно-земная физика, Изд. МИР, Москва, 1974, т.1, с. 263., @1974
311. В.Ю. Аксельрод и др. Динамика нижней ионосферы, Изд. Наука, АН Каз ССР, 1975, @1975
312. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
313. Й.К. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за степен "доктор", Глава 2, 4: р. 146, 152., @2004
26. **Velinov P. I. Y.**.. (1969) Influence of Solar Corpuscular Fluxes Properties on the Electron Production Rate in Atmosphere. Bulletin of the Russian Academy of Sciences: 1918-1920. ISI IF:0.781
- Цитирана се в:
314. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
315. NASA Tehnical Reports, <http://ntrs.nasa.gov/search.jsp?N=4294653985>. Added to NTRS: 2007-10-23 Accession Number: 70N36048; Document ID: 197013024, @2007
27. Nestorov G., **Velinov P. I. Y.**., Letfus V.. (1969) 27-Day Variations in the Lower Ionosphere, Connected with Cosmic Rays and Geomagnetic Field Variations. Bulletin of the 33, 11, 1969, ISSN:1062-8738, 1921-1925. ISI IF:0.781
- Цитирана се в:
316. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
317. Bojilova R., P. Mukhtarov (2020) Relationship Between Short-term Variations of Solar Activity and Critical Frequencies of the Ionosphere Represented by FoF2 and F10.7, 1416-1424., @2020
28. **Velinov P. I. Y.**.. (1969) On Solar Cosmic Ray Effect in Ionosphere. In: Solar-Terrestrial Physics, Vol. 1 (ed. L. L. Dorman), "Sun-Earth" Committee, Academy of Sciences of the USSR, Moscow, 1969, 181-187.
- Цитирана се в:
318. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
29. Nestorov G., **Velinov P. I. Y.**.. (1969) Night Lower Ionosphere Effects Due to Particles Precipitation on Middle Latitudes. In: Solar-Terrestrial Physics, Vol. 1 (ed. L. L. Dorman), Academy of Sciences of USSR, Moscow, 1969, 181-187.
- Цитирана се в:
319. Г.С. Иванов-Холодный. Сб. Геофизика, ИНИ АН СССР, Москва, 1972., @1972
320. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
321. Й.К. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за образователната степен "доктор", София, 2004: (2 цитата), @2004
30. **Velinov P. I. Y.**.. (1969) On the influence of corpuscular fluxes in the magnetosphere on night ionosphere. C. R. Acad. Bulg. Sci., 22 (1), 1969, ISSN:1310-1331, 33-36. JCR-IF (Web of Science):0.21
- Цитирана се в:
322. М.Н. Фаткулин, Сб. Геофизика, ИНИ АН СССР, Москва, 1970., @1970
323. Г. Несторов. Абсорбция и морфология на ниската йоносфера, Изд. БАН, София, 1986: (2 цитата), @1986
324. Umahi, A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, OSR Journal of Applied Physics (IOSR-JAP) e-ISSN: 2278-4861. Vol. 1, No. 1, pp. 38-46, www.iosrjournals.org, @2016
325. Dobrev P., O. Nicheva, M. Kartalev (2022) Verification of Ion Density in Magnetosheath Using THEMIS Satellite Plasma Measurements, C. R. Acad. Bulg. Sci., 75 (1), 2022, 1-10, @2022
31. **Velinov P. I. Y.**.. (1969) Dependences of Electron Production Rate in Low Ionosphere on the Parameters of Solar Cosmic Rays and Earth Environment. C. R. Acad. Bulg. Sci., 22 (1), 1969, ISSN:1310-1331, 33-36. JCR-IF (Web of Science):0.21
- Цитирана се в:
326. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979

32. **Velinov P. I. Y..** (1969) Influence of Ionization Losses on Cosmic Ray Spectrum at Statistical Acceleration Mechanism. C. R. Acad. Bulg. Sci., 22 (8), 1969, ISSN:1310–1331

Цитирана се в:

327. S.Ya. Braude, B.P. Ryabov, I.N. Zhouck, Astroph. Space Science, 1971, 12, 349-365: (2 цитата), @1971

1970

33. **Velinov P. I. Y..** (1970) Effective Geomagnetic Threshold and Penumbra of Cosmic Rays in Ionospheric Cosmic Layer. C. R. Acad. Bulg. Sci., 23, 2, 1970, 153-156. ISI IF:0.21

Цитирана се в:

328. Energy Citations Database (ECD) - Document #4160845 Creator/Author, Velinov, P. Publication Date, 1970 Jan 01. OSTI Identifier, OSTI ID: 4160845. www.osti.gov/patent/1970-01-01/4160845, @1970

329. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1970

330. Л.И. Дорман, Т.И. Крупицкая. Космические лучи №11, Результаты исследований по международным проектам, Изд. Наука, Москва, 1971., @1971

331. Й.К. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за степен "доктор", 146., @2004

34. **Velinov P. I. Y..** (1970) Effect of Ionization Losses on Spectrum of Cosmic Rays Accelerated in Sources. C. R. Acad. Bulg. Sci., 23, 4, 1970, 371-374. ISI IF:0.21

Цитирана се в:

332. S. Ya. Braude, B. P. Ryabov, I. N. Zhouck (1971) The interpretation of non-linear radio spectra of discrete radio sources by a general mechanism, Astroph. Space Science, 1971, 12, 349-365: (2 цитата), @1971

333. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979

35. **Velinov P. I. Y..** (1970) On the Lifetime of Cosmic Rays in the Galactic. C. R. Acad. Bulg. Sci., 23, 5, 1970, 477-480. ISI IF:0.21

Цитирана се в:

334. Л.И. Дорман, Т.И. Крупицкая. Космические лучи №11, Результаты исследований по международным проектам, Изд. Наука, Москва, 1971, @1971

335. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979

36. **Velinov P. I. Y..** (1970) Some Formulas for PCA Ionization. C. R. Acad. Bulg. Sci., 23, 9, 1970, 1075-1077. ISI IF:0.21

Цитирана се в:

336. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979

37. **Velinov P. I. Y..** (1970) Cosmic Ray Ionization in Atmospheres of Planets. C. R. Acad. Bulg. Sci., 23, 10, 1970, 1195-1198. ISI IF:0.21

Цитирана се в:

337. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979

338. Г. Несторов. Абсорбция и морфология на ниската йоносфера, Изд. БАН, София, 1986, @1986

339. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисерт. труд за степента "доктор", 79, 86 (3 citations), @2007

340. M.B. Buchvarova. Integral Primary Cosmic Ray Spectra in the Planetary Atmospheres in Extreme Phases of the Solar Cycle. C.R. Acad. bulg. Sci., 2010, 63, 11, 419-424

38. **Velinov P. I. Y..** (1970) Time Dependence of Ionization at Polar Cap Absorption Event. C. R. Acad. Bulg. Sci., 23, 11, 1970, 1353-1356. ISI IF:0.21

Цитирана се в:

341. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

342. Г. Несторов. Абсорбция и морфология на ниската йоносфера, Изд. БАН, София, 1986 (2 citations), @1986

39. **Velinov P. I. Y..** (1970) Determination of Planetary Energy Introduced by Galactic Cosmic Rays into Ionosphere and Atmosphere. C. R. Acad. Bulg. Sci., 23, 12, 1970, 1483-1486. ISI IF:0.21

Цитирана се в:

343. Г.С. Иванов-Холодный. Сб. Геофизика, ИНИ АН СССР, Москва, 1972., @1972

344. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

40. **Velinov P. I. Y.,** Nestorov G., Pashova T.. (1970) Corpuscular Fluxes Effects on Night Ionosphere during Magnetic Storms in the Years of Quiet Sun. Proc. Geophys. Inst., 1970, 1, 1-10

- Цитира се в:

- page 13/108

42. **Velinov P. I. Y.**, Dorman L. I., Nestorov G.. (1970) Forbush Effects in CR Layer in Lower Ionosphere. Proceedings of the Russian Academy of Sciences, 190, 5, 1970, ISSN Science):0.572

Лумура се в:

377. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
378. Й.К. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за присъждане образцова степен на доктор в Геофизика, ЦЛСЗВ БАН, София, 2004., @2004

43. **Velinov P. I. Y.**, Georgieva G.. (1970) A Generalization of the Solutions for the Ionization of Upper Atmosphere from Solar Cosmic Rays. C. R. Acad. Bulg. Sci., 23, 1, 1970

Лумура се в:

379. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979: (2 citations), @1979
380. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за степен на доктор в Геофизика, стр. 87., @2007

1971

44. **Velinov P. I. Y.**. (1971) On variations of the Cosmic Ray (CR) Layer in the lower ionosphere. J. Atmos. Terr. Phys., 33 (3), 1971, 429-436. JCR-IF (Web of Science):1.924

Лумура се в:

381. Solar-Terrestrial Physics/1970, Proceedings of the International Symposium on Solar-Terrestrial Physics [sponsored by the International Astronomical Union (IAU), Geophysics (IUGG), the International Union of Radio Sciences (URSI), and the ICSU Committee on Space Research COSPAR] held at the Tavrishesky Palace, Leningrad, A1-8., @1971
382. Solar-Terrestrial Physics/1970, Proceedings of the International Symposium on Solar-Terrestrial Physics [sponsored by the International Astronomical Union (IAU), Geophysics (IUGG), the International Union of Radio Sciences (URSI), and the ICSU Committee on Space Research COSPAR] held at the Tavrishesky Palace, Leningrad, A9-2., @1971
383. Г. С. Иванов-Холодный. Сб. Геофизика, ИНИ АН СССР, Москва, 1972., @1972
384. Gabriela Satori (1976) Acta Geodaetica et Geophysica Hungarica, 11, pp.229-335. A Quarterly of the Hungarian Academy of Sciences. Impact factor: 0.942, Five years average JCR-IF (Web of Science): 0.942, @1976
385. J. Lastovicka, Stud. Geophys., 1977, 21, 403., @1977
386. Jan Laštovička, J. Prokop (1977) The role of various ionization sources in the A3 If radio-wave absorption in middle latitudes, Studia Geophysica et Geodaetica, Ser. A, 30, 403-410. DOI <https://doi.org/10.1007/BF01613275>, @1977
387. Ladislav Křivský, J. Halenka. Important flare events in variations of the auroral electrojet index. Studia Geophysica et Geodaetica, Volume 21, 10.1007/BF01613276, @1977
388. G. Satori. Acta Geodes. Geophys. Montan. Acad. Sci. Hung., 1978, 13, 3/4, pp. 475-480, 485: (3 citations), @1978
389. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979 (3 citations), @1979
390. Satori, G. Electron density profiles in the background of LF absorption during Forbush-decrease and PSE. International Council of Scientific Unions, Middle Atmosphere Research: Atmospheres, 29. Part 1: Extended Abstracts, International Symposium on Solar Activity Forcing of the Middle Atmosphere. Part 2: MASH Workshop, Williamsburg, 1986; p 192-194. (2 citations), @1986
391. Г. Несторов. Абсорбция и морфология на ниската йоносфера, Изд. БАН, София, 1986: (3 citations), @1986
392. Satori, G., Bremer, J., Perturbation of electron density profiles in the lowest D-region by Forbush-decreases. Advances in Space Research, 7 (6), p.87-90, Jan 1987, (2 citations), @1987
393. Satori, G. (1989). Electron density profiles in the background of LF absorption during Forbush-decrease and PSE. In: Handbook for MAP, 1989, vol.29, Proceedings of the International Symposium on Solar Activity Forcing of the Middle Atmosphere, USA, Illinois, p. 192, 194. (2 citations), @1989
394. Satori, G. (1991). Combined ionospheric effect due to Forbush decreases and magnetospheric high energy particles at mid-latitudes. Journal of Atmospheric and Terrestrial Physics, 53, 1091-1100, (2 citations), @1991
395. V.M. Sheftel et al. Geomagn. Aeronomy, 1992, 32, 1, pp. 186 - 188: (2 citations), @1992
396. Sheftel, V. M., Bandilet, O. I., Yaroshenko, A. N., & Chernyshev, A. K. (1994). Space-time structure and reasons of global, regional, and local variations of atmospheric parameters. Research: Atmospheres, 99(D5), 10797-10806., @1994
397. Tassev, Y. (2001) On the adjust of minor constituents density in middle atmosphere during solar proton events, Advances in Space research, 27 (12), 1987-1992., (2 citations), @2001
398. Tassev, Y. et al. (2003) A comparison between effects of solar proton events and of geomagnetic storms on the ozone profiles, Advances in Space Research, https://doi.org/10.1016/S0273-1177(03)00101-1, @2003
399. Й.К. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за степен "доктор", Л. 146, 152 (4 citations), @2004
400. 甚低频传播 C 层效应的观测与模式化研究 王健, 田育庶 - 电波科学学报, 2004 - cqvip.com 利用甚低频(VLF) 传播相位的观测结果, 证明了VLF 传播相位随太阳活动变化的规律, 并推导出产生原因, 导出了包含C 层效应的VLF 传播相速时变函数和相位预测模型, 并利用回归分析揭示了C 层效应的日、季变化规律. Chinese Journal of Space Science, 28(2), P.176-180, @2004
401. Tonev P. 2012, Estimation of Currents in Global Atmospheric Electric Circuit with Account of Transpolar Ionospheric Potential. C.R. Acad. bulg. Sci., 65, 10. (2 citations), @2012

402. Asenovski S. (2013) Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (4 citations)
403. S. Asenovski (2013) Autoref. CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere) PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (3 citations)
404. Umahi, A. E. (2016). Galactic and solar cosmic rays on ionization in the atmosphere. World Applied Sciences Journal, 34(3), 312-317., @2016
405. Tsvetelina Velichkova, Natalya Kilifarska (2020) Inter-decadal Variations of the ENSO Climatic Mode and Lower Stratospheric Ozone, Comptes rendus de l'Académie des sciences, pp. 539-546., @2020
406. Velichkova-Tasheva T. P. (2020) Influencing Factors for Global and Regional Climate Variability, PhD Thesis, National Institute of Geophysics, Geodesy and Geography, Section "Physics of the Ionosphere", NIGGG Publishers, 135 p., @2020
407. Werner R., V. Guineva (2020) Forecasting sunspot numbers for solar cycle 25 using autoregressive models for both hemispheres of the Sun, C. R. Acad. Bulg. Sci., @2020
45. **Velinov P. I. Y..** (1971) On the Ionization Losses Influence on Cosmic Ray Spectrum. Geomagnetism and Aeronomy, 11, 3, 1971, 424-428. ISI IF:0.947
Цитирана се в:
408. Aitmuhambetov, A. A., Alentiev, A. N., Zussmannovich, A. G., Kolomeets, E. V. (1973) Anisotropy and Energy Spectrum of Cosmic Rays in Interstellar Space Journal of Geophysical Research, Conference on Cosmic Rays, held in Denver, Colorado, Volume 1 (OG Sessions), p.396, <http://articles.adsabs.harvard.edu/full/1973ICRC....1..396A/0000401.000>.
409. А.А.Айтмухамбетов, А. Г. Зусманович, В.А. Кобзев, Е.В. Коломеец. Изв. АН СССР, физ, 1976, 40, 543. (2 citat.), @1976
410. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
411. Lev Dorman (2019) Cosmic ray origin: Why cosmic ray (Astroparticle) phenomenon is universal in the Universe? What is the main driver of cosmic ray particle generation? J. Geophys. Res. Space Physics, 124, 64(12), DOI: 10.1016/j.asr.2019.06.031, Published by Elsevier Ltd on behalf of COSPAR, pp. 1-8., @2019
412. Lev Dorman (2021) Cosmic Ray Origin and Future Travels with Velocities of CR Particles in Heliosphere, Galaxy and Universe, Proceedings of Science (PoS), Volume 360, Conference (ICRC2021) - CRD - Cosmic Ray Direct, Berlin July 2021, pp. 1-8. DOI: 10.22323/1.395.0181, @2021
46. **Velinov P. I. Y..** (1971) Ionization Losses Effect on the Cosmic Ray Lifetime in the Galaxy. Bulletin of the Russian Academy of Sciences: Physics, 35, 12, 1971, 2466-2471.
Цитирана се в:
413. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
47. **Velinov P. I. Y..** (1971) On Energy Dissipation in the Atmosphere at PCA Phenomena. C. R. Acad. Bulg. Sci., 24, 3, 1971, 307-310. ISI IF:0.21
Цитирана се в:
414. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
415. Г. Несторов. Абсорбция и морфология на ниската йоносфера, Изд. БАН, София, 1986., @1986
48. **Velinov P. I. Y..** (1971) On Lifetime of Cosmic Rays in the Galaxy in Presence of Acceleration. C. R. Acad. Bulg. Sci., 24, 4, 1971, 431-434. ISI IF:0.21
Цитирана се в:
416. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
49. **Velinov P. I. Y..** (1971) Electron Production Rate of Secondary Cosmic Rays in the Cosmic Ray Layer. C. R. Acad. Bulg. Sci., 24, 5, 1971, 597-600. ISI IF:0.21
Цитирана се в:
417. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979

1972

50. Nestorov G., **Velinov P. I. Y..** (1972) Ionospheric Effects from Solar Particles during January 24 - February 3, 1971. Report UAG - 24: "Data on Solar-Geophysical Activity Cosmic Ray Events of 24.01. and 01.09.1971", World Data Center - A for Solar - Terrestrial Physics, Boulder, Colorado, NOAA, Vol. 1., 1972, pp. 240-246.
Цитирана се в:
418. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979: (2 citations), @1979
51. **Velinov P. I. Y.,** Nestorov G.. (1972) Solar Particle Events in the Ionosphere during the Period of September 1-8, 1971. Report UAG-24: Data on Solar-Geophysical Activity Cosmic Ray Events of 24.01. and 01.09.1971, WDC for STP, NOAA, Boulder, CO, 1, 1972, 432-439.
Цитирана се в:
419. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
420. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл. V (с. 86-93), @1983
421. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл.I (с.24-29), @1983
422. Y.K. Tassev. Proc. VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2001, 67 - 70., @2001

52. **Velinov P. I. Y..** (1972) Ionization Losses Influence on Condition of Cosmic Ray Generation on the Sun. *Geomagnetism and Aeronomy*, 12, 5, 1972, 806-813. ISI IF:0.947
Цитирана се в:
423. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
424. A.-A. Abseim, M. Semeida, M. Saleh, S. Youssef, P. Stoeva, A. Stoev (2017) Modified Cloud Method Validation by Determination of Physical Parameters of the Solar de l'Academie bulgare des Sciences, Vol 70, No6, pp.839-848., @2017
53. **Velinov P. I. Y..** (1972) Ionization Losses Influence on the Particles Acceleration in the Sun and Universe. (Review paper). In the book: *Particles Acceleration by Different S* St. Peterbourg, Academy of Sciences of USSR, 1972, pp. 110-123.
Цитирана се в:
425. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
54. **Velinov P. I. Y..** (1972) On Conditions for Acceleration of Particles of Solar Atmosphere. *C. R. Acad. Bulg. Sci.*, 25, 1, 1972, 35-38. ISI IF:0.21
Цитирана се в:
426. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
427. A.-A. Abseim, M. Semeida, M. Saleh, S. Youssef, P. Stoeva, A. Stoev (2017) Modified Cloud Method Validation by Determination of Physical Parameters of the Solar de l'Academie bulgare des Sciences, Vol 70, No6, pp.839-848., @2017
55. **Velinov P. I. Y..** (1972) Some Dependences between the Yearly Courses of Solar Activity and Ionosphere. *C. R. Acad. Bulg. Sci.*, 25, 2, 1972, 189-192. ISI IF:0.21
Цитирана се в:
428. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
429. George Anagnostopoulos, Ioannis Spyroglou, A. Rigas, I. Kiosses (2021) The sun as a significant agent provoking earthquakes, *The European Physical Journal* 10.1140/epjst/e2020-000266-2, LicenseCC BY 4.0, Lab: H. Mavromichalaki's Lab, @2021
56. **Velinov P. I. Y..** (1972) Dependences between Courses of Solar Activity and Processes in Space Sun-Earth. *C. R. Acad. Bulg. Sci.*, 25, 3, 1972, 321-324. ISI IF:0.21
Цитирана се в:
430. К. Серафимов. България и Космосът, Изд. Народна младеж, София, 1979, @1979
431. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
432. К. Георгиева. Динамика на Слънцето и влиянието й върху слънчево-земните въздействия. Дисертационен труд за степен "доктор", ЦЛСЗВ БАН, София, 2017
433. George Anagnostopoulos, Ioannis Spyroglou, A. Rigas, I. Kiosses (2021) The sun as a significant agent provoking earthquakes, *The European Physical Journal* 10.1140/epjst/e2020-000266-2, LicenseCC BY 4.0, Lab: H. Mavromichalaki's Lab, @2021
57. **Velinov P. I. Y..** (1972) On the Acceleration Time of Particles in the Solar Atmosphere. *C. R. Acad. Bulg. Sci.*, 25, 4, 1972, 495-498. ISI IF:0.21
Цитирана се в:
434. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
435. A.-A. Abseim, M. Semeida, M. Saleh, S. Youssef, P. Stoeva, A. Stoev (2017) Modified Cloud Method Validation by Determination of Physical Parameters of the Solar de l'Academie bulgare des Sciences, Vol 70, No6, pp.839-848., @2017
58. **Velinov P. I. Y..** (1972) On Sunrise and Sunset Effects of Processes in the Sun-Earth Space. *C. R. Acad. Bulg. Sci.*, 25, 5, 1972, 605-608. ISI IF:0.21
Цитирана се в:
436. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
59. **Velinov P. I. Y..** (1972) Effect of Solar Activity Delays on the Processes of Solar-Terrestrial Space. *C. R. Acad. Bulg. Sci.*, 25, 8, 1972, 1045-1048. ISI IF:0.21
Цитирана се в:
437. К. Серафимов. България и Космосът, Изд. Народна младеж, София, 1979., @1979
438. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
439. К. Георгиева. Динамика на Слънцето и влиянието й върху слънчево-земните въздействия. Дисертационен труд за степен "доктор", ЦЛСЗВ БАН, София, 2017
60. **Velinov P. I. Y..** (1972) Comparison between the Effect of Solar Activity on Physical and on Biological Processes. *C. R. Acad. Bulg. Sci.*, 25, 10, 1972, 1339-1342. ISI IF:0.21
Цитирана се в:
440. Т.Райчев, Доклади БАН, 1978, 31, 417., @1978
441. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

442. D. Ionescu, P. Enasoa, N. Barbas, Ecol. Protect. Ecosyst., Bucuresti, 1984, p. 219., @1984
443. H.A. Темуриан, Терапевт. Архив, 1985, 57, 150., @1985
444. Agulova LP Problems and prospects of the study of cosmobiospheric relations 2nd ALL-UNION SYMP on cosmophysical fluctuations in biological and physico-chemical Date: Nov, 1990 Biofizika Volume: 37 Issue: 3 Pages: 407-413, @1990
445. A. Mishev, A. Bouklijski, L. Visca, O. Borla, J. Stamenov, A. Zanini. Recent Cosmic Ray Studies with Lead Free Neutron Monitor at Basic Environmental Observatory 3(1): 26-28., @2008

1973

61. Velinov P. I. Y., Nestorov G.. (1973) Corpuscular Effects in the Night Ionosphere during the Period July 24-August 14, 1972. Report UAG-28 / Collected Data Reports on Auroral Activity 1, 2 and 3, edited by Helen E. Coffey, World Data Center A for Solar-Terrestrial Physics, NOAA, Boulder, CO, July 1973, 932 pp., 1973, 618-621.

Цитирана се в:

446. X.Спасов, М.Коен. Бълг. геоф. сп., 1975, 1, 2, с. 74-79., @1975
447. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
448. Y.K. Tassev. Proc. VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2001, 67-70., @2001

62. Velinov P. I. Y.. (1973) Influence of Collective Effects in Solar Activity Variations on Solar-Terrestrial Relationships. C. R. Acad. Bulg. Sci., 26, 4, 1973, 467-470. ISI IF:0.21

Цитирана се в:

449. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

63. Velinov P. I. Y.. (1973) On the Distribution of Information Characteristics of Solar -Terrestrial Relationships. C. R. Acad. Bulg. Sci., 26, 7, 1973, 871-874. ISI IF:0.21

Цитирана се в:

450. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

64. Velinov P. I. Y.. (1973) Effects of Ionization Losses on Cosmic Ray Concentration in the Expanding Universe. C. R. Acad. Bulg. Sci., 26, 8, 1973, 1037-1040. ISI IF:0.21

Цитирана се в:

451. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

65. Velinov P. I. Y.. (1973) Effect of Extrema of Solar Activity on Solar - Terrestrial Relationships. C. R. Acad. Bulg. Sci., 26, 9, 1973, 1181-1184. ISI IF:0.21

Цитирана се в:

452. К. Серафимов. България и Космосът, Изд. Народна младеж, София, 1979., @1979
453. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

1974

66. Velinov P. I. Y., Nestorov G., Dorman L. I.. (1974) Cosmic Ray Influence on the Ionosphere and on Radiowave Propagation, Monograph, 314 p.. BAS Publishers, Sofia, 1974

Цитирана се в:

454. Л. Кръстанов. Природа, 1974, 23, с. 3, 6: (2 citations), @1974
455. Smart F., Shea M.A., Effective cut-off rigidities of cosmic rays. NAUKA, Moscow (in Russian and in English), 1975., @1975
456. Е. Апостолов. Влияние солнечного рентгеновского излучения на ионизационное состояние нижней ионосферы. Диссертация на соискание ученой степени кандидата на физико-математические науки. БАН, София, 1975: гл. 3 - стр. 49, 51, 90 (2 пъти) - фиг. 40 и 41. (6 citations), @1975
457. Е. Апостолов. Влияние солнечного рентгеновского излучения на ионизационное состояние нижней ионосферы. Диссертация на соискание ученой степени кандидата на физико-математические науки. БАН, София, 1975: гл. 1 - стр. 3 (2 пъти), @1975
458. К. Серафимов, Съобщения, 1975, 3, 12., @1975
459. Л. И. Дорман, Успехи Физических наук, 1975, т. 18, стр. 565-566., @1975
460. Л.И. Дорман, И.Д. Козин. Труды 15 Межд. Конф. Космически Лъчи - Пд., 1977, т. 4, 434., @1977
461. Л.И. Дорман, Труды на 15 Межд.Конф.Космически Лъчи - Пд, 1977, 4, с. 405-410; 411-416. (4 citations), @1977
462. Л.И. Дорман, Изв.АН СССР, физ, 1978, 42, 1501., @1978
463. Т.М. Крупицкая, В.А. Ульев. в: Геофизические исследования в высокоширотной области, Гидрометеиздат, Ленинград, 1978, т. 350, с. 81-87., @1978

464. К. Серафимов. България и Космосът, Изд. Народна младеж, София, 1979., @1979
465. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
466. Проблемы солнечно-земных связей, АН ТССР, Ашхабад, 1981, (5 citations on p. 115, 122, 124, 127, 131), @1981
467. А.Г. Аксаров и др. в: Космические лучи в межпланетном пространстве и ионосфере Земли, Наука, Алма-Ата, 1982, с.182, 187. (2 citations), @1982
468. К. Серафимов. Бълг. геофиз. сп., 1983, 9, 2, с. 126, 127. (2 citations), @1983
469. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл. V (с. 86-93). (3 citations), @1983
470. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл.I (с.24-29) (3 citations), @1983
471. R. S. Shubova, M. D. Sopel'nikov, N. A. Knyazeva (1985) Anomalies in vlf propagation and possible interpretations, Radiophysics and Quantum Electronics, 28(5):3
472. Г. Несторов. Бълг. геофиз. списание, 1985, 11, 2, 41, 43: (3 citations), @1985
473. Д. Самарджиев, Бълг. геофиз. списание, 1985, 11, 4, с.3, 7., @1985
474. Й. Тасев. Корпускулярната дисипация в йоносферата и озоносферата като посредник в слънчево-земните връзки. Теза за следдипломна специализация. Отделение за следдипломна специализация, ФзФ при СУ "Св. Климент Охридски", София, 1985: стр. 34-41, стр. 54-56 (фиг. 6, 7), стр. 60-71 (фиг. 9, 10) (6 citations), @1985
475. Р.С. Шубова, Изв. ВУЗ, радиофиз., 1985, 28, 574., @1985
476. K. Kudela. In: Handbook for MAP, 1989, vol.29, Proceedings of International Symposium on Solar Activity Forcing of the Middle Atmosphere, USA, Illinois, p. 135, 139,
477. А.В. Белов, Я.Л. Блох, и др. В: Электромагнитные плазменные процессы от Солнца до Ядра Земли, ИЗМИР АН СССР (отв. редактор член-корр. В.В. Мухоморов), 1989, стр. 52, 53, 61), @1989
478. К. Серафимов. Ниската йоносфера над Балканите, Централна и Източна Европа. Бълг. геофиз. сп., 1993, XIX, 2, 92-103: Тази работа се цитира общо 14 пъти (4), 99 (3), 101. (14 citations), @1993
479. L. Mateev. Bulg. Geophys. J., 1997, 23, 2, 87-95: (3 citations), @1997
480. M. Buchvarova. Proc. VII Nation. Conference "Contemporary Problems of Solar-Terrestrial Influences", 2000, 121-124., @2000
481. M. Buchvarova. Compt. rend. Acad. bulg. Sci., 2001, 54, 3, 43 - 46: (2 citations), @2001
482. M. Buchvarova. Proc. VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2001, 23-26., @2001
483. M. Buchvarova. Compt. rend. Acad. bulg. Sci., 2002, 55, 7, 27 - 30: (3 citations), @2002
484. M. Buchvarova. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, 29-32, @2002
485. M.B. Buchvarova. An analytical model for differential spectrum of cosmic rays. Publ. Astron. Obs. Belgrade No 73, (2002), 91-95. (2 citations), @2002
486. Димитрова С., И. Стоилова, И. Чолаков, "Локални и планетарни геофизични параметри - сравнително изследване на влиянието им върху човека", Сб. доклади на ЦЛСЗВ - БАН, София, ноември 2002, стр. 69-72, @2002
487. Dimitrova S., I. Stoilova (2003) Planetary geomagnetic indices, human physiology and subjective complaints, Journal of the Balkan Geophysical Society, 6(1), 37-45
488. Dorman, L.I. 2003 Cosmic Rays and Space Weather. In The Early Universe and the Cosmic Microwave Background: Eds. Norma Sánchez, Yuri N. Parijskij. Springer, 2003, p. 558, @2003
489. Dorman, L.I. (2004) Cosmic Rays and Space Weather, In book: The Early Universe and the Cosmic Microwave Background: Theory and Observations, pp.517-557, Springer, 2004, p. 1058-0_23, @2004
490. Lev I. Dorman (2004) Cosmic Rays in the Earth's Atmosphere and Underground - Astrophysics and Space Science Library, 303; Kluwer Academic Publishers, Dordrecht, 2004, p. 15, 19, 556, 559, 777 (6 citations), @2004
491. Й.К. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за присъждане обр. и наук. степен "доктор" по научната специалност 03.01.68. Авиационна медицина, София, 2004: Гл. 3, 4. (2 citations), @2004
492. M. Buchvarova. S E S ' 2 0 0 5 [PDF-237K], Sep 2005, 48 References: 1. Velinov, P.I.Y., G. Nestorov, and L. Dorman... 5. Velinov, P.I.Y. [http://www.space.bas.bg/astro/ses2005/a6.pdf], @2005
493. M. Dumas, J.C. Borie, M.-C. Palau, N. Guillet (2005) Neutron spectra in the atmosphere : Influence of solar particle events, Conference Paper · October 2005 DOI: 10.1109/IEEE Xplore Conference: Radiation and Its Effects on Components and Systems, 8th European Conference RADECS 2005., @2005 [Линк](#)
494. С. Димитрова. Влияние на геомагнитните смущения от слънчев произход върху някои физиологични и субективни показатели на човека. Дисертационен труд за присъждане на научна степен "доктор" по научната специалност 03.01.68. Авиационна медицина, София, 2005., @2005
495. M.I. Belenkiy, A.B. Orlov, G.A. Petrova, A.N. Uvarov (2006) Modeling of the electron density profile of the lower ionosphere (45–75 km) for sudden ionospheric disturbances and sudden phase anomalies of VLF signals, INTERNATIONAL JOURNAL OF GEOMAGNETISM AND AERONOMY VOL. 6, GI3007, doi:10.1029/2005GI000113, eos.wiley.com, 2006
496. Zigman, V., Kudela K., Grubor D., Response of the Earth's lower ionosphere to the Ground Level Enhancement event of December 1989, J. Geophys. Res., 1995, 100, A12, 22,311-22,320, <http://dx.doi.org/10.1016/j.asr.2013.12.026>, @2006
497. I. Usoskin. Proc. ICRC, Merida, Mexiko. Microsoft Word - ICRC0916.doc [PDF-484K], Aug 2007 [http://dpnc.unige.ch/ams/ICRC-07/icrc0916.pdf], @2007
498. L. Alexandrov, A. Mishev (2007) Application of afxy-code for parameterization of ionization yield function Y in the atmosphere for primary cosmic ray protons, arXiv:0712.3174, <https://arxiv.org/abs/0712.3174>, @2007
499. Y. Tassev. Statistical Analysis of the Ozone, Temperature and Pressure Reactions During and After the Solar Proton Event on 20 January 2005. Report P4.01 on the 10th Week ESWW4, European Space Agency, ESA Conference Bureau, The EC COST Office, The Royal Library of Belgium, Brussels, 5 - 9 November 2007, Final Abstract, 2007
500. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане на научна степен "доктор" по научната специалност 03.01.68. Авиационна медицина, София, 2007: п. 4, 23, 31, 32, 37, 77, 77, 86, 86. (9 citations), @2007

501. A. Mishev, A. Bouklijski, L. Visca, O. Borla, J. Stamenov, A. Zanini. Recent Cosmic Ray Studies with Lead Free Neutron Monitor at Basic Environmental Observatory. *Sci. Bulg.*, 3(1): 26-28., @2008
502. D. Ivanov, T. Utescher, A. Rahman Ashraf, V. Mosbrugger, E. Slavomirova, N. Djorgova, V. Bozukov (2008) Vegetation Structure and Dynamics in the Late Miocene. *Sci. Bulg.*, 61 (2), 223-232., @2008
503. I. I. Angelov, E. S. Malamova, J. N. Stamenov. Muon Telescopes at Basic Environmental Observatory Moussala and South-West University – Blagoevgrad, Sun and Space. *Sci. Bulg.*, 61 (2), 223-232., @2008
504. L. Alexandrov, A. Mishev. Application of afxy-code for parameterization of ionization yield function Y in atmosphere for primary cosmic ray protons. *JINR, arXiv preprint arXiv:2008.08101*, 2008., @2008
505. N. A. Kilifarska, Y. K. Tassev, D. Y. Tomova. Cosmic Ray Showers and their Relation to the Stratospheric Sudden Warmings, *Sun and Geosphere*, 2008; 3(1): 10-17.
506. P. Tonev. Electric breakdown occurrence in atmosphere above lightning – impact of conductivity and discharge parameters. *Comptes rendus de l'Académie bulgare des sciences*, 388., @2008
507. Y. Tassev (2008) Relationships between low energy proton flux and ozone, temperature and pressure during and after the solar proton event from 20 January 2005. *Sci. Bulg.*, 61 (2), 223-232., @2008
508. A. Atanasov. Determination of SATI Instrument Filter Parameters by Processing Interference Images. *C.R. Acad. bulg. Sci.*, 2009, 62, 8, 993-1000. (2 citations and Acknowledgements), @2009
509. Marusja Buchvarova. Cosmic Ray Spectra Approximation Model for Protons and Alpha Particles in the Heliosphere. *Comptes rendus de l'Académie bulgare des sciences*, 1448., @2009
510. Mishev A. (2009) Recent CORSIKA code simulations for space climate and astrophysics toward to Sun-Earth influences studies, *Proc. Int. Conference, Fundamental Problems in Space Climate and Astrophysics*, - stil.bas.bg, pp. 120-123., @2009
511. A. Atanasov. Dark Image Correction of Spectrograms Produced by SATI Instrument. *C.R. Acad. bulg. Sci.*, 2010, 63, 4, 583-592. (2 citations and Acknowledgements), @2010
512. A. Atanasov (2010) Determination of SATI Instrument Filter Parameters by Processing Interference Images. *arXiv preprint arXiv:1002.2833*, 2010 - arxiv.org (2 citations and Acknowledgements), @2010
513. DY Jang, JS Kang, BH Kang, YK Kim. Neutron monitor prototype for measurement of cosmic ray. *Transactions of the Korean Nuclear Society Spring Meeting*, 2010, www.kns.org, @2010
514. Katya Georgieva, Boian Kirov, Svetla Dimitrova, Dimitar Maslarov, Irina Stoilova (2010) Space weather effects on human physiological state, *Conference Paper, World Scientific*, 2010, @2010
515. Marusja Buchvarova. Integral Primary Cosmic Ray Spectra in the Planetary Atmospheres in Extreme Phases of the Solar Cycle. *Comptes rendus de l'Académie bulgare des sciences*, 1426., @2010
516. Mateev L. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. *Comptes rendus de l'Académie bulgare des sciences*, 1426., @2010
517. Svetla Dimitrova, Irina Stoilova, Katya Georgieva, T. Taseva, Malina Jordanova, Dimitar Maslarov (2010) Solar and Geomagnetic Activity and Acute Myocardial Infarction. *Comptes rendus de l'Académie bulgare des sciences: sciences mathématiques et naturelles* 3(8):161-165 · January 2010, @2010
518. A. B. Orlov, A. N. Uvarov, Lower ionosphere model for noon quiet conditions and conditions of sudden ionospheric disturbances according to the data on VLF propagation. *Journal of Space Weather and Space Climate*, February 2011, Volume 51, Issue 1, pp 78–87, doi:10.1134/S0016793211010105, @2011
519. A. Beleghaki, A. Glover, M. Hapgood, J.-P. Luntama, R. Van der Lind et al. (2011) Programme and Abstract Book for 8th European Space Weather Week (ESWW8) Conference, 28 November - 02 December, 2008; Palais de Congrès de Namur, Namur, Belgium, ESA Publishers, 106 p., @2011
520. Lazzarotto, F.; Costa, E.; Del Monte, E.; Di Persio, G.; Evangelista, Y.; Feroci, M. et al. (2011) Space Radiation Environment Measurements as by Product of the Gamma-Ray Burst Monitor. *Programme and Abstract Book for 8th European Space Weather Week (ESWW8) Conference*, 28 November - 02 December, 2008; Palais de Congrès de Namur, Namur, Belgium, ESA Publishers, 106 p., @2011
521. Alexander Mishev (2013) Short- and Medium-Term Induced Ionization in the Earth Atmosphere by Galactic and Solar Cosmic Rays, *International Journal of Atmospheric and Earth Space Research*, 184508, 9 pages <http://dx.doi.org/10.1155/2013/184508>, LicenseCC BY 3.0, @2013
522. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. [14 citations: p. 1, 3, 4, 5, 7, 8, 10, 22, 23, 26, 27, 33 (3)], @2013
523. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [32 citations - p. 1, 21 (2), 22 (2), 24, 25, 32, 122, 124, 130, 131, 135, 136, 142 (2), 143 (2)], @2013
524. Vida Žigman, Karel Kudela, Davorka Grubor. Response of the Earth's lower ionosphere to the Ground Level Enhancement event of December 13, 2006, *Advances in Space Research*, 1 March 2014, Pages 763–775, <http://dx.doi.org/10.1016/j.asr.2013.12.026>, @2014
525. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *IOSR Journal of Applied Physics (IOSR-JAP)*, 8 (4) Ver. II (Jul. - Dec. 2016), www.iosrjournals.org, @2016
526. Kilifarska, N. Ozone profile response to the series of coronal mass ejections and severe geomagnetic storm in September 2017, *C. R. Acad. Bulg. Sci.*, 71(5), 662-668, IF:0.270 (Q4), @2018 [Линк](#)
527. Kilifarska N., R. Bojilova (2019) Geomagnetic Focusing of Cosmic Rays in the Lower Atmosphere – Evidence and Mechanism, *Comptes rendus de l'Académie bulgare des sciences*, 1744., @2019
528. Anna Bouzekova-Penkova, Silviya Simeonova, Rositza Dimitrova, Rayna Dimitrova (2020) Structural Properties of Aluminium Alloy Enhanced by Nanodiamond and Carbon Nanotubes. *Compt. rend. Acad. bulg. Sci.*, Vol 73(9), 1270-1276., @2020
529. Bojilova R., P. Mukhtarov (2020) Relationship Between Short-term Variations of Solar Activity and Critical Frequencies of the Ionosphere Represented by FoF2 and h'pF2. *Sci. Bulg.*, 73(9), 1416-1424., @2020
530. Bojilova R., P. Mukhtarov (2020) Relationship between the Critical Frequencies of the Ionosphere over Bulgaria and Geomagnetic Activity, *C. R. Acad. Bulg. Sci.*, 73(9), 1416-1424., @2020
531. Safinaz A. Khaled, Luc Damé, Mohamed A. Semeida, Magdy Y. Amin, Ahmed Ghitas, Shahinaz Yousef et al. (2020) Variations of the Hydrogen Lyman Alpha Line through the Solar Cycle 25 and SORCE/SOLSTICE Data, *Comptes rendus de l'Académie bulgare des Sciences*, Vol 73, No9, pp.1260-1269., @2020

532. Andonov B., R. Bojilova, P. Mukhtarov (2021) Global distribution of Total Electron Content response to weak geomagnetic activity, C. R. Acad. Bulg. Sci. 74 (8), , @2021
533. Bojilova R. (2021) Empirical Modeling of Ionospheric Characteristics over Bulgaria, PhD Thesis, National Institute of Geophysics, Geodesy and Geography - BAS, Department "Physics of the Ionosphere", NIGGG Publishers, 116 p., @2021
534. Bojilova R., P. Mukhtarov (2021) Construction of Ionospheric Critical Frequencies Based on the Total Electron Content over Bulgaria, C. R. Acad. Bulg. Sci., 74 (8), 0.343, @2021 [Линк](#)
535. D. Teodosiev, A. Bouzekova-Penkova, K. Grigorov, R. Nedkov, P. Tzvetkov, B. Tsyntsarski, A. Kosateva, S. Klimov, V. Grushin (2021) Structural and Mechanical Properties of an Extended Stay on the International Space Station (ISS), C. R. Acad. Bulg. Sci., 74 (2), 197-206., @2021
536. Guineva, R. Werner, R. Bojilova, L. Raykova, I. V. Despirak (2021) Mid-latitude positive bays during substorms by quiet and disturbed conditions, C. R. Acad. Bulg. Sci., 74 (2), 197-206., @2021
537. Werner R., V. Guineva, A. Atanasov, D. Valev, D. Danov, B. Petkov, A. Kirillov (2021) Ultraviolet radiation levels over Bulgarian high mountains, Aerospace Res. Bull., 74 (2), 197-206., @2021
538. Safinaz A. Khaled, Luc Dame, Amira Shimeis, Shahinaz Yousef, M. A. Semeida et al. (2023) Statistical study of confined filament/prominence eruptions during solar storms, Solar Wind, 1384-1392. DOI:10.7546/CRABS.2023.09.09, @2023 [Линк](#)
539. Bojilova R., Atanasova M. (2024) Post-seismic ionosphere effects after Croatian MW 6.4 earthquake on 29 December 2020, C. R. Acad. Bulg. Sci., 77 (1), 1-10, DOI:10.7546/CRABS.2024.05.07, @2024 [Линк](#)
540. Teodosiev, D., Anna Bouzekova-Penkova, D. Borisova (2024) Measurement of ULF/VLF electric fields on board satellites to study effects in the Near-Earth plasma and its application in cartography, land management, 2024, 63, № 1-2, ISSN 2535-0927, @2024 [Линк](#)

67. **Velinov P. I. Y.** (1974) Cosmic ray ionization rates in the planetary atmospheres. J. Atmos. Terr. Phys., 36 (2), 359-362, 1974, JCR-IF (Web of Science):1.924

Литература по темата:

541. B. Sellers, J.G. Kelley (1975) Magnetic field and atmosphere density effects on PCA event ionization, Journal of Atmospheric and Terrestrial Physics, 37 (2), 9169(75)90113-0, @1975
542. D. A. Gagliardini, H. Karszenbaum (1975) Electron production in the lower ionosphere by a diffuse galactic X-ray background, Journal of Atmospheric and Terrestrial Physics, 37 (2), 9169(75)90113-0, https://doi.org/10.1016/0021-9169(75)90027-6, @1975
543. W. Swider, Hanscom A. F. B. (1977) Aeronomic aspects of the polar D -region, Space Science Reviews, 20(1): 69-114, (Impact Factor = 5.87) , DOI: 10.1007/BF0021-9169, @1977
544. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
545. S. Asenovski. Autoref. PhD Thesis, ISRT, BAS Publishing House, Sofia, 2013. (4 citations: p. 3, 5, 26, 33), @2013
546. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (4 citations - p. 2, 3, 5, 26, 33), @2013
547. Zigman, V., Kudela K., Grubor D., Response of the Earth's lower ionosphere to the Ground Level Enhancement event of December 1981, http://dx.doi.org/10.1016/j.asr.2013.12.026, @2014
548. Mishra, R. K., Pandey, P. C. (2015) The effect of solar radiation on telecommunications. International Journal of Engineering Science Invention Research and Development, 4(10), 1-5, e-ISSN: 2349-6185, @2015
549. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4860-0804038-46, @2016
550. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, World Applied Sciences Journal 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5829/idosi.wasj.2016.34.03.312-317, @2016
551. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, Middle-East Journal of Scientific Research 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
552. Umahi, A. E. (2016) Variability of Galactic Cosmic rays Flux and Solar Activities in the Earth's Atmospheric Environment, American-Eurasian J. Agric. & Food Sci. 10.5829/idosi.aejas.2016.16.5.10441., @2016
553. Umahi, A. E. (2016) Impact of High Energy Charged Galactic Particle Variations in the Earth's Atmosphere, Middle-East Journal of Scientific Research 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23456, @2016
554. Umahi, A.E, (2016). Earth's Environmental Pollution from Galactic Cosmic Rays Flux, World Applied Science Journal, 34 (3), 338-342, DOI: 10.5829/idosi.wasj.2016.34.03.338-342, @2016
555. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udeaja, V.N., Anih, J.O., Onyia, A.I., Adieme, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, E. (2016) Cosmic Rays in the Atmosphere, IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), e-ISSN: 2319-2402, p- ISSN: 2319-2395, pp. 80-84, www.iosrjournals.org, @2016
556. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. Acad. Bulg. Sci., 74 (2), 197-206., @2017
557. Tsvetelina Velichkova, Natalya Kilifarska (2020) Inter-decadal Variations of the ENSO Climatic Mode and Lower Stratospheric Ozone, Comptes rendus de l'Académie des sciences, 359-546., @2020
558. Velichkova-Tasheva T. P. (2020) Influencing Factors for Global and Regional Climate Variability, PhD Thesis, National Institute of Geophysics, Geodesy and Geography - BAS, Section "Physics of the Ionosphere", NIGGG Publishers, 135 p., @2020
559. Dmytro Vasylyev (2021) Accurate analytic approximation for the Chapman grazing incidence function, Earth Planets and Space 73(1):112, DOI: 10.1186/s40623-020-0112-1, @2021

68. **Velinov P. I. Y.** (1974) Effects of Ionization Losses on Cosmic Ray Energy in Expanding Universe. C. R. Acad. Bulg. Sci., 27, 3, 1974, 333-336. ISI IF:0.21

Литература по темата:

560. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

69. **Velinov P. I. Y.** (1974) Matrix Analysis of Solar-Terrestrial Relations. C. R. Acad. Bulg. Sci., 27, 4, 1974, 483-486. ISI IF:0.21

Цитирана се в:

561. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

70. **Velinov P. I. Y..** (1974) On the Effect of Ionization Losses on Cosmic Ray Acceleration. C. R. Acad. Bulg. Sci., 27, 6, 1974, 795-798. ISI IF:0.21

Цитирана се в:

562. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

71. **Velinov P. I. Y..** (1974) Application of Matrix Analysis in the Study of Solar-Terrestrial Relationships. C. R. Acad. Bulg. Sci., 27, 7, 1974, 917-919. ISI IF:0.21

Цитирана се в:

563. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

72. **Velinov P. I. Y..** (1974) Influence of the East-West Assymetry of Cosmic Rays on Electron Production Rate in the Cosmic Layer. C. R. Acad. Bulg. Sci., 27, 9, 1974, 1195

Цитирана се в:

564. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

565. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл. V (с. 86-93): (2 citations), @1983

566. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл.I (с.24-29), @1983

73. **Velinov P. I. Y..** (1974) On Effect of Ionization Losses on the Cosmic Ray Propagation. C. R. Acad. Bulg. Sci., 27, 10, 1974, 1371-1374. ISI IF:0.21

Цитирана се в:

567. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

74. **Velinov P. I. Y..** (1974) On the Spectrum of the Relativistic Electrons in Cosmic Rays. C. R. Acad. Bulg. Sci., 27, 11, 1974, 1497-1500. ISI IF:0.21

Цитирана се в:

568. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

1975

75. **Velinov P. I. Y., Samardjiev D., Serafimov K..** (1975) The Scientific and Creative Way of Corr. Member G. Nestorov (Review paper). Advanced Geophysical Problems, BAS

Цитирана се в:

569. M. Gogoshev, I. Kutiev, T. Dachev, T. Kardashev, A. Strigachev. BIBLIOGRAPHY K.B. Serafimov. 35 Years Space Activity, Edited by the Bulgarian Astronautical Soc

76. Nestorov G., **Velinov P. I. Y..** (1975) Solar Corpuscular Effects in the Ionosphere during the Period of Extremal Solar Activity July 26-August 14, 1972. Advanced Geophy 1975, 101-108

Цитирана се в:

570. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

77. **Velinov P. I. Y..** (1975) Effects of solar activity on geophysical processes. (Review paper). Bulg. Geophys. J., Vol. 1, 1, BAS Publishers, Sofia, 1975, pp. 51-77.

Цитирана се в:

571. Т. Райчев, Докл. БАН, 1978, 31, 417., @1978

572. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

573. B. Kirov. Solar Cycle Influence on the Solar Activity. Bulg. J. Phys., 2000, 27, 2, 35-42, @2000

574. K. Georgieva et al. J. Atmosph. Electricity, 2002, 22, 3, 291-300., @2002

575. Gousheva, M.N., Georgieva, K.Y., Kirov, B.B., Antanasov, D. (2003) On the relation between solar activity and seismicity. II. In: Proceedings of IEEE International C Technologies, Istanbul 20-22 November 2003, pp. 236-240., @2003

576. Gousheva, M.N., Georgieva, K.Y., Kirov, B.B., Atanssov, D. (2003) On the relation between solar activity and seismicity. I. In: Proceedings of IEEE International C Technologies, Istanbul 20-22 November 2003, p. 228 and 232 (2 citations), @2003

577. К. Георгиева. Динамика на Слънцето и влиянието й върху слънчево-земните въздействия. Дисертационен труд за присъждане образователната и научна ст Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2006., @2006

578. A. Mishev, A. Bouklijski, L. Visca, O. Borla, J. Stamenov, A. Zanini. Recent Cosmic Ray Studies with Lead Free Neutron Monitor at Basic Environmental Observato 3(1): 26-28., @2008

579. Anagnostopoulos, G., Papandreou, A., & Antoniou, P. (2010). Solar wind triggering of geomagnetic disturbances and strong ($M > 6.8$) earthquakes during the November 2004. *arXiv:1012.3585*, @2010
580. G. Anagnostopoulos and A. Papandreou. Space conditions during a month of a sequence of six $M > 6.8$ earthquakes ending with the tsunami of 26 December 2004. 1559, 2012, @2012
581. Straser, V., Cataldi, G., & Cataldi, D. (2013). Earthquakes unrelated to natural geomagnetic activity: A North Korean case - *Itpaobserverproject.com*, @2013
582. Straser, V., Cataldi, G., & Cataldi, D. (2015). Solar wind ionic and geomagnetic variations preceding the M8.3 Chile Earthquake. *New Concepts in Global Tectonics*
583. Straser, V., Cataldi, G., & Cataldi, D. (2016). Earthquakes unrelated to natural geomagnetic activity: A North Korean case. *New Concepts in Global Tectonics* www.ncgt.org, @2016
584. George Anagnostopoulos, Ioannis Spyroglou, A. Rigas, I. Kiosses (2021) The sun as a significant agent provoking earthquakes, *The European Physical Journal* 10.1140/epjst/e2020-000266-2, LicenseCC BY 4.0, Lab: H. Mavromichalaki's Lab, @2021
78. Velinov P. I. Y.. (1975) Dephasing between the Courses of Solar Activity and Processes in Sun-Earth Space. *C. R. Acad. Bulg. Sci.*, 28, 3, 1975, 319-322. ISI IF:0.21
Цитирана е:
585. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
79. Velinov P. I. Y.. (1975) Explaining the October Effect in the Mesosphere of Middle Latitudes. *C. R. Acad. Bulg. Sci.*, 28, 10, 1975, 1367-1369. ISI IF:0.21
Цитирана е:
586. I. Dagino, A. Elena, Atti d'acad. Liguria, 1977, XXXIV, p. 8, 9: (2 citations), @1977
587. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
588. Nestorov, G. T. (1980). Ionospheric reaction to stratospheric and tropospheric processes. *Bulgarsko Geofizichno Spisanie*, 6 (1), 21-43. (3 citations on p. 21, 25, 42)
80. Velinov P. I. Y.. (1975) Relationship of Seasonal Behaviours of Ionospheric Absorption and Winds in the High Atmosphere. *C. R. Acad. Bulg. Sci.*, 28, 12, 1975, 1605-1608
Цитирана е:
589. Е. Казимировский. Движения в ионосфере, Изд. Наука, Москва, 1979, @1979
590. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979
81. Velinov P. I. Y.. (1975) Study on Geophysical and Astrophysical Aspects of the Problem of Substance Ionization by Energetic Particles, DSc (Doctor of Physical Sciences) Academician Emil Djakov (IE - BAS); 2) Academician Kiril Serafimov (CLSR - BAS); 3) Prof. DSc Ivan Nedjalkov (INRNE - BAS), 280 pages. Geophysical Institute., Bulgarian Academy of Sciences
Цитирана е:
591. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

- 82. Velinov P. I. Y..** (1976) Model of Cosmic Layer N(h) Distribution in the Lower Ionosphere. Proc. KAPG Symposium on Solar-Terrestrial Physics, Vol. 3, Tbilisi, Nauka, Acad. Sci. USSR, 1976, 45-47.

Цитирана се в:

592. Л.И. Дорман, И.Д. Козин. Трудове 15 Межд. Конф. Космически Лъчи - Пд., 1977, т. 4, 434., **@1977**

593. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., **@1979**
- 83. Velinov P. I. Y..** (1976) Connection between Seasonal Variations of the Ionospheric Absorption and Winds in Mesosphere. Proc. KAPG Symposium on Solar-Terrestrial Physics, Vol. 3, Tbilisi, Nauka, Acad. Sci. USSR, 1976, 45-47.

Цитирана се в:

594. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., **@1979**

595. С.В.Пахомов, Геомагн. аэрон., 1985, 25, 750, **@1985**
- 84. Velinov P. I. Y..** (1976) On the Summer-Winter Transition in D-Region. Proc. KAPG Symposium on Solar-Terrestrial Physics, Vol. 3, Tbilisi, Nauka, Acad. Sci. USSR, 1976, 45-47.

Цитирана се в:

596. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, **@1979**
- 85. Velinov P. I. Y., Kazakov K..** (1976) Behaviour of Green Oxygen Emission L 5577 During Geomagnetic Storm of April 7, 1975. C. R. Acad. Bulg. Sci., 29, 4, 1976, 503-506.

Цитирана се в:

597. К. Серафимов (1979) Космические исследования в Болгарии. Изд. БАН. София., **@1979**

598. A. Atanasov (2009) Determination of SATI Instrument Filter Parameters by Processing Interference Images, C. R. Acad. bulg. Sci., 62 (8), 993-1000., @2009
599. A. Atanasov (2010) Dark Image Correction of Spectrograms Produced by SATI Instrument, C. R. Acad. bulg. Sci., 63 (4), 583-592., @2010
600. Atanasov A. M. (2010) Determination of SATI Instrument Filter Parameters by Processing Interference Images. Journal: arXiv:1002.2833 [physics.space-ph]. Subj: Data Analysis, Statistics and Probability (physics.data-an); Optics (physics.optics), pp. 1-9 + 2 figs.; <https://arxiv.org/abs/1002.2833>, @2010
86. **Velinov P. I. Y..** (1976) Model of Electron Concentration Profile of the Cosmic Ray Layer in the Ionosphere. C. R. Acad. Bulg. Sci., 29, 7, 1976, 979-982. ISI IF:0.21
Цитира се в:
601. Л.И. Дорман, И.Д. Козин. Трудове 15 Межд. Конф. Космически Лъчи - Пд., 1977, т. 4, 434, @1977
602. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
603. L. Mateev. Bulg. Geophys. J., 1997, 23, 2, 87-95: (3 citations), @1997
87. **Velinov P. I. Y..** (1976) Radiowave Absorption in the Ionospheric Cosmic Layer. C. R. Acad. Bulg. Sci., 29, 8, 1976, 1137-1140. ISI IF:0.21
Цитира се в:
604. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
605. L. Mateev. Bulg. Geophys. J., 1997, 23, 2, 87-95: (3 citations), @1997
88. **Velinov P. I. Y..** (1976) Generalized Exponential Model of Electron Density Profiles in Low Ionospheres. C. R. Acad. Bulg. Sci., 29, 12, 1976, 1757-1760. ISI IF:0.21
Цитира се в:
606. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
607. L. Mateev. Bulg. Geophys. J., 1997, 23, 2, 87-95: (2 citations), @1997

1977

89. **Velinov P. I. Y..** (1977) Low Energy Cosmic Ray Ionization in Ionosphere. 15-th International Cosmic Ray Conference, Plovdiv, 12-26 August 1977, Conference Papers., 4, Sofia, 1977, 294-299
Цитира се в:
608. SAO/NASA ADS Astronomy Service, <http://adsabs.harvard.edu/abs/1977ICRC....4..294+Velinov> 15th International Cosmic Ray Conference, Vol. 4. Published: Budapest: Research Institute for Physics of the Hungarian Academy of Sciences, 1977. International Union of Pure and Applied Physics; Bulgarska akademiia na naukite. LCCN 77-000000
609. Г. Несторов. Доклади БАН, 1978, 31, 8, 974, @1978
610. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
611. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл. V (с. 86-93), @1983
612. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл.I (с.24-29), @1983
90. **Velinov P. I. Y..** (1977) Effects of Cosmic Ray Flares in August 1972 on Solar-Terrestrial and Biological Processes. 15-th International Cosmic Ray Conference, Plovdiv, 12-26 August 1977, Conference Papers., 4, MG -191, Publ. House of Bulg. Acad. Sci., Sofia, 1977, 300-305
Цитира се в:
613. К. Серафимов. България и Космосът, Изд. Народна младеж, София, 1979, @1979
614. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979. (2 citations), @1979
615. С. Димитрова. Влияние на геомагнитните смущения от слънчев произход върху някои физиологични и субективни показатели на човека. Дисертационен труд за научна степен "доктор" по научната специалност 03.01.68. Авиационна медицина, София, 2005, @2005
616. A. Mishev, A. Bouklijski, L. Visca, O. Borla, J. Stamenov, A. Zanini. Recent Cosmic Ray Studies with Lead Free Neutron Monitor at Basic Environmental Observatory, 3(1): 26-28, @2008
617. D. Y. Jang, J. S. Kang, B. H. Kang, Y. K. Kim (2010) Neutron monitor prototype for measurement of cosmic ray, Transactions of the Korean Nuclear Society Spring Meeting, 28, 2010. [www.kns.org, https://inis.iaea.org/search/search.aspx?orig_q=RN:41116832](http://inis.iaea.org/search/search.aspx?orig_q=RN:41116832), @2010
91. **Velinov P. I. Y..** (1977) Magnetospheric and Solar Particle Ionization and Energy Dissipation in the Ionosphere. (Review paper). Physica Solariterrestris, Potsdam, 5, 1977, 1-10
Цитира се в:
618. Ц. Ралчовски. Бълг. геофиз. списание, 1977, 3, 3, 99, @1977
619. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
620. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл. V (с. 86-93), @1983
621. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл.I (с.24-29), @1983

622. С. Димитрова. Влияние на геомагнитните смущения от слънчев произход върху някои физиологични и субективни показатели на човека. Дисертационен труд за научна степен "доктор" по научната специалност 03.01.68. Авиационна медицина, София, 2005, @2005

92. Velinov P. I. Y.. (1977) Dependences between Solar Activity and Processes of Solar-Terrestrial Relationships. Physica Solariterrestris, Potsdam, 6, 1977, 15-22

Цитирана се в:

623. Ц. Ралчовски. Бълг. геофиз. списание, 1977, 3, 3, 99., @1977

624. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

625. С. Димитрова. Влияние на геомагнитните смущения от слънчев произход върху някои физиологични и субективни показатели на човека. Дисертационен труд за научна степен "доктор" по научната специалност 03.01.68. Авиационна медицина, София, 2005, @2005

626. К. Георгиева. Динамика на Слънцето и влиянието ѝ върху слънчево-земните въздействия. Дисертационен труд за присъждане степен "доктор", ЦЛСЗВ БАН, София, 2008, @2008

627. A. Mishev, A. Bouklijski, L. Visca, O. Borla, J. Stamenov, A. Zanini. Recent Cosmic Ray Studies with Lead Free Neutron Monitor at Basic Environmental Observatory. J. Geophys. Res., 113, 2008, 3(1): 26-28. (2 citations), @2008

628. DY Jang, JS Kang, BH Kang, YK Kim. Neutron monitor prototype for measurement of cosmic ray. Transactions of the Korean Nuclear Society Spring Meeting, Seoul, 2010, www.kns.org, @2010

93. Velinov P. I. Y.. (1977) Effect of Unusual Solar Activity in August 1972 on Erythrocyte Sedimentation Rate. C. R. Acad. Bulg. Sci., 30, 1977, 363-366. ISI IF:0.21

Цитирана се в:

629. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

630. D. Ionescu, P. Enasoa, N. Barbas, Ecol. Protect. Ecosyst., Bucuresti, 1984, p. 219, @1984

94. Velinov P. I. Y., Ivanova P.. (1977) Quasiexponential Models of Electron Density Distribution in the Low Ionosphere. C. R. Acad. Bulg. Sci., 30, 4, 1977, 527-530. ISI IF:0.21

Цитирана се в:

631. А.Г. Хантадзе, А.И. Гвелисиани. К теории диффузии ионосферной плазмы в области F, Изд. Наука, Москва, 1979, с. 114., @1979

632. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

95. Velinov P. I. Y.. (1977) Ionospheric Ionization of Low Energy Solar and Magnetospheric Particles. C. R. Acad. Bulg. Sci., 30, 5, 1977, 699-702. ISI IF:0.21

Цитирана се в:

633. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

96. Velinov P. I. Y.. (1977) New Method of Determining Electron Production in Ionosphere by Corpuscular Ionization. C. R. Acad. Bulg. Sci., 30, 6, 1977, 833-836. ISI IF:0.21

Цитирана се в:

634. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

97. Velinov P. I. Y., Mateev A.. (1977) 7-Day Periodicity of Myocardial Infarction in Bulgaria during 1972-1974. C. R. Acad. Bulg. Sci., 30, 6, 1977, 933-936. ISI IF:0.21

Цитирана се в:

635. К. Серафимов. България и Космосът, Изд. Народна младеж, София, 1979., @1979

636. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979., @1979

637. Dimitrova S., Stoilova I., Spasova Z., "Human physiological status and environment", Annual of the University of Mining and Geology "St Ivan Rilski", Part I: Geology, Sofia 2003, Publishing House "St Ivan Rilski" pp. 237-240: (2 citations), @2003

638. С. Димитрова. Влияние на геомагнитните смущения от слънчев произход върху някои физиологични и субективни показатели на човека. Дисертационен труд за научна степен "доктор" по научната специалност 03.01.68. Авиационна медицина, София, 2005., @2005

639. И. Стоилова, С. Димитрова. Слънчева активност и здраве. Изследване на влиянието на геофизичните и климатичните фактори върху здравето на човека. СХИХ, 4, 36-39., @2006

1978

98. Velinov P. I. Y.. (1978) Ionization Profiles of Low Energy Solar and Magnetosphere Particles in the Ionosphere. Geomagnetism and Aeronomy, 18, 1978, 50-56. ISI IF:0.94

Цитирана се в:

640. HistCite - index: Niehls Bohr. http://www.garfield.library.upenn.edu/histcomp/bohr-n_w-citing-pre-56/index-10.html Velinov P., Geomagn. Aeronomy, 1978, 18, 50 - 56, @1978

641. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979

642. Schulz, M. (1980). Energetic-particle populations and cosmic-ray entry. Journal of geomagnetism and geoelectricity, 32(9), 507-549., @1980

643. J. Lastovicka: Trav. Inst. Geophys. Acad. Tchechosl. Sci., N 544, Geofyzikalni sbornik XXVIII, Acad., Praha, 1982, @1982
644. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл. V (с. 86-93), @1983
645. Л.И. Дорман, И.Л. Козин. Космическое излучение в верхней атмосфере, Изд.Наука, Москва, 1983, гл.I (с.24-29), @1983
646. С. Пахомов, А.К. Князев, и др. Исследование верхней атмосферы Земли, Гидрометеиздат, Москва, 1989, @1989
99. **Velinov P. I. Y..** (1978) Relationships between Seasonal Absorption Course of Long Radiowaves and Winds in Planetary Strato-Mesosphere. C. R. Acad. Bulg. Sci., 31, 8, Цитирана се в:
647. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
100. **Velinov P. I. Y..** (1978) Relationships between Seasonal Absorption Courses of Medium and Short Waves and Dynamics in the Strato-Mesosphere. C. R. Acad. Bulg. Sci., 31, 8, Цитирана се в:
648. К. Серафимов. Космические исследования в Болгарии. Изд. БАН, София, 1979, @1979
101. **Velinov P. I. Y..** (1978) Influence of Neutral Wind on the Ionized Component in the Strato-Mesosphere and Lower Thermosphere. Invited Report on KAPG Symposium on the Ionosphere, Rostov-na-Don, USSR, 1977. Bulg. Geophys. J., 4, 2, BAS, 1978, 112-114 Цитирана се в:
649. Е.С. Казимировский, Изв. АН СССР, Физ. атм. и океана, 1983, 19, 2, 222, 223, @1983
102. **Velinov P. I. Y..** (1978) Influence of Neutral Wind on the Ionized Component in the Strato-Mesosphere and Lower Thermosphere. Bulg. Geophys. J., 5, 1, BAS, 1978, 48-56 Цитирана се в:
650. Е.С. Казимировский, Изв. АН СССР, Физ. атм. и океана, 1983, 19, 2, 222, 223, @1983
103. **Velinov P. I. Y., Kazakov K..** (1978) Connection between Atmospheric Absorption and Green Oxygen Emission L 5577 During STIP Intervals I and II. Bulg. Geophys. J., 4, 1, BAS, 1978, 1-10 Цитирана се в:
651. A. Atanasov (2009) Determination of SATI Instrument Filter Parameters by Processing Interference Images, C. R. Acad. bulg. Sci., 62 (8), 993-1000., @2009
652. A. Atanasov (2010) Dark Image Correction of Spectrograms Produced by SATI Instrument, C. R. Acad. bulg. Sci., 63 (4), 583-592., @2010
653. Atanasov A. M. (2010) Determination of SATI Instrument Filter Parameters by Processing Interference Images. Journal: arXiv:1002.2833 [physics.space-ph]. Subj: Data Analysis, Statistics and Probability (physics.data-an); Optics (physics.optics), pp. 1-9 + 2 figs.; <https://arxiv.org/abs/1002.2833>, @2010

1979

104. **Velinov P. I. Y..** (1979) Relationships between Mid-Latitude Absorption and Zero and Maximal Velocity Contours in Equatorial Ionosphere. C. R. Acad. Bulg. Sci., 32, 1, 1979, 1-10 Цитирана се в:
654. Е.С. Казимировский, Изв. АН СССР, Физ. атм. и океана, 1983, 19, 2, 222, 223: (2 citations), @1983

1981

105. **Velinov P. I. Y., Stoeva N..** (1981) Effect of Corpuscular Fluxes on Thermal Regime in Ionosphere. C. R. Acad. Bulg. Sci., 34, 1, 1981, 27-30. ISI IF:0.21 Цитирана се в:
655. P. Mukhtarov, N. Penov, D. Pancheva (2013) N (h) profiles derived from ionograms and their application for studying mid-latitude ionospheric response to geomagnetic storms, J. Space Weather and Space Climate, 7, 1315-1322., @2013

1982

106. **Velinov P. I. Y., Tassev Y..** (1982) Magneto-Ionospheric Disturbances in the Low Ionosphere. In: Magnetosphere-Ionosphere Processes and Airglow (eds. K. Serafimov, M. Stoeva, and Y. Tassev), Proceedings of the 10th International Conference on Space Physics, First Results from the Investigations of the "INTERCOSMOS-BULGARIA-1300" Satellite, St. Zagora, September 1982, CLSR BAS, St. Zagora, 1982, 18-22 Цитирана се в:
656. Bojilova R., P. Mukhtarov (2020) Relationship between the Critical Frequencies of the Ionosphere over Bulgaria and Geomagnetic Activity, C. R. Acad. Bulg. Sci., 73, 1, 1-10, @2020

107. **Velinov P. I. Y.** (1982) Ionization Models of Low Energy Particles in Ionospheric D-, E-, and F-Regions. Bulg. Geophys. J., 8, 1, BAS, 1982, 73-82

Цитирана се в:

657. Л.И. Абрамова, Геомагн. аэрон., 1985, 25, 1, 129: (2 citations), @1985

1983

108. **Velinov P. I. Y.**, Vlasov V., Smirnova N.. (1983) On the Winter Anomaly at Short Wave Propagation36, 1, 73-76. C. R. Acad. Bulg. Sci., 36, 1, 1983, 73-76. ISI IF:0.21

Цитирана се в:

658. Е.С. Казимировский, Изв. АН СССР, Физ. атм. и океана, 1983, 19, 2, 222., @1983

109. **Velinov P. I. Y.** (1983) Differential Capability at Anisotropic Particle Ionization of the Ionosphere. C. R. Acad. Bulg. Sci., 36, 8, 1983, 1051-1054. ISI IF:0.21

Цитирана се в:

659. Й. Тасев. Корпускулярната дисипация в йоносферата и озоносферата като посредник в слънчево-земните връзки. Теза за следдипломна специализация. Отделение за следдипломна специализация, ФзФ при СУ "Св. Климент Охридски", София, 1985: (2 citations), @1985

1984

110. **Velinov P. I. Y.** (1984) Cosmic Ray Influence on the Ionospheric D-, E-, and F- Layers under Quiet and Disturbed Conditions. Invited Paper. Extended Abstr. International with Extra-terrestrial Origin, KAPG, Prague, March 19-24, 1984, Geophys. Inst., CSAS, Prague, 1984, 25-27

Цитирана се в:

660. Й. Тасев. Корпускулярната дисипация в йоносферата и озоносферата като посредник в слънчево-земните връзки. Теза за следдипломна специализация. Отделение за следдипломна специализация, ФзФ при СУ "Св. Климент Охридски", София, 1985., @1985

111. Nestorov G., **Velinov P. I. Y.**, Spassov C.. (1984) Ionospheric Activity During the Solar Proton Flares in September and November 1977. C. R. Acad. Bulg. Sci., 37, 7, 1984

Цитирана се в:

661. Й. Тасев. Корпускулярната дисипация в йоносферата и озоносферата като посредник в слънчево-земните връзки. Теза за следдипломна специализация. Отделение за следдипломна специализация, ФзФ при СУ "Св. Климент Охридски", София, 1985., @1985
662. Й. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за степен "доктор", ЦЛО

112. Nestorov G., **Velinov P. I. Y.**, Spassov C.. (1984) Ionospheric Activity During the Solar Proton Flares in September and November 1977. Extended Abstr. International Sim Extra-terrestrial Origin, KAPG, Prague, March 19-24, Geophys. Inst., CSAS, Prague, 1984, 28-29

Цитирана се в:

663. Й. Тасев. Корпускулярната дисипация в йоносферата и озоносферата като посредник в слънчево-земните връзки. Теза за следдипломна специализация. Отделение за следдипломна специализация, ФзФ при СУ "Св. Климент Охридски", София, 1985., @1985
664. Й. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за степен "доктор", ЦЛО

113. **Velinov P. I. Y.**, Mishev D., Delistoyanov S., Nestorov G., Spassov C., **Dachev T.** (1984) Quasi-Synchronous Magnetospheric-Ionospheric Satellite and Ground Based 1300 Program. Report 9.3.6 on the 25th Committee on Space Research (COSPAR) Plenary Meeting, Symposium 9-Physics of Magnetosphere-Ionosphere Connections, G 1-14

Цитирана се в:

665. P. Mukhtarov, R. Bojilova (2021) Accuracy Assessment of the Ionospheric Critical Frequencies Reconstructed by TEC over Bulgaria, C. R. Acad. Bulg. Sci., 74 (2), 2

114. **Velinov P. I. Y.**, Kilifarska N.. (1984) Corpuscular Heating in Middle and Upper Ionosphere at Higher Solar and Geomagnetic Activity. C. R. Acad. Bulg. Sci., 37, 2, 1984, 16

Цитирана се в:

666. P. Mukhtarov, N. Penov, D. Pancheva (2013) N (h) profiles derived from ionograms and their application for studying mid-latitude ionospheric response to geomagnetic storms, 1315-1322., @2013

115. Pancheva D., **Velinov P. I. Y.** (1984) On the F-Region Heating during Magnetic and Ionospheric Disturbances.. C. R. Acad. Bulg. Sci., 37, 7, 1984, 871-874. ISI IF:0.21

Цитирана се в:

667. P. Mukhtarov et al. (2013) N (h) profiles derived from ionograms and their application for studying mid-latitude ionospheric response to geomagnetic storms, Cor 1322., @2013

668. B. Andonov, Pl. Mukhtarov (2018) A new method for mapping of vertical total electron content over Balkan peninsula, *Compt. rend. Acad. bulg. Sci.*, 71 (3), 391–397.
 669. Bojilova R., P. Mukhtarov (2020) Relationship between the Critical Frequencies of the Ionosphere over Bulgaria and Geomagnetic Activity, *C. R. Acad. Bulg. Sci.*, 73 (3), 339–343, @2021 [Линк](#)
 670. Bojilova R., P. Mukhtarov (2021) Construction of Ionospheric Critical Frequencies Based on the Total Electron Content over Bulgaria, *C. R. Acad. Bulg. Sci.*, 74 (3), 339–343, @2021 [Линк](#)
116. **Velinov P. I. Y.**, Pancheva D.. (1984) Temperature Regime in the Middle and Upper Ionosphere During Geomagnetic Storms. *Bulg. Geophys. J.*, 10, 3, 1984, 48-54
Цитира се в:
671. P. Tonev, M. Petkova. Proc. VI National Conference "Contemporary Problems of Solar-Terrestrial Influences", 1999, 142-145, @1999
 672. Bojilova R., P. Mukhtarov (2020) Relationship between the Critical Frequencies of the Ionosphere over Bulgaria and Geomagnetic Activity, *C. R. Acad. Bulg. Sci.*, 73 (3), 339–343, @2021 [Линк](#)
 673. Bojilova R., P. Mukhtarov (2021) Construction of Ionospheric Critical Frequencies Based on the Total Electron Content over Bulgaria, *C. R. Acad. Bulg. Sci.*, 74 (3), 339–343, @2021 [Линк](#)
117. **Velinov P. I. Y.**, Spassov C.. (1984) New Results and Advances in the Study of Ionospheric Effects with Extra-terrestrial Origin. *Bulg. Geophys. J.*, 10, 3, 1984, 128-130
Цитира се в:
674. Й. Тасев. Корпускулярната дисипация в йоносферата и озоносферата като посредник в слънчево-земните връзки. Теза за следдипломна специализация, Отделение за следдипломна специализация, ФзФ при СУ "Св. Климент Охридски", София, 1985., @1985
118. **Velinov P. I. Y.**, Smirnova N., Vlasov V.. (1984) Hybrid Quadri-Ionic Model of the Low Ionosphere. *Adv. Space Res.*, 4, 1, Elsevier, 1984, 123-130. JCR-IF (Web of Science) 0.343, @1984
Цитира се в:
675. I. Kutiev, *Adv. Space Res.*, 1984, 4, 1, 7, @1984
 676. I.V. Ramanamurty, *Adv. Space Res.*, 1984, 4, 1, 150: (2 citations), @1984
 677. J.Taubenheim, *Adv. Space Res.*, 1984, 4, 1, 160, @1984
 678. S. Bohme et al. (1984) *Astronomy and Astrophysical Abstracts*, Vol. 38, Part 2, p. 351, Springer-Verlag, Berlin Heidelberg GmbH, @1984
 679. К. Серафимов. Бълг. геофиз. сп., 1984, 10, 1, с. 121, 124: (2 citations), @1984
 680. Jurij N. Korenkov (Editor) (1988) *Ionospheric Modeling [Pageoph Topical Volumes - Reprinted from Pure and applied geophysics (PAGEOPH), volume 127]*, p. 3034865340, ISBN-10: 3034865341, @1988
 681. N. V. SMIRNOVA et al. (1988) *Modelling of the Lower Ionosphere, PAGEOPH, Vol. 127, Nos. 2/3*, p. 353., @1988
 682. Dieter Bilitza, *International Reference Ionosphere 1990, NSSDC/WDC-A-R&S 90-22 Science Applications Research*, Lanham, Maryland 20706, U.S.A., November 1990, Center/World Data Center A for Rockets and Satellites, @1990
 683. S. Kirkwood and A. Osepian, "Quantitative studies of energetic particle-precipitation using incoherent-scatter radar", *Journal of Geomagnetism and Geoelectricity*, 47(1-4), 1995, pp. 47-54, @1995
 684. A.Osepian, S.Kirkwood, High-energy electron-fluxes derived from eiscat electron-density profiles, *Journal of atmospheric and terrestrial physics*, 58(1-4), 1996, pp. 47-54, @1996
 685. Peter Stauning, Substorm modeling based on observations of an intense high-latitude absorption surge event, November 1998, *Journal of Geophysical Research*, 103, A11, 1998, pp. 23995-24000, DOI: 10.1029/97JA03596, @1998
 686. S. Kirkwood et al. Quantitative description of electron precipitation during auroral absorption events in the morning/noon local-time, *J. Atmos. Solar-Terr. Phys.*, 64(1-4), 1998, pp. 47-54, (2 citations), @2001
 687. H. Mori, M. Ishii, Y. Murayama, M. Kubota, K. Sakanoi, M.-Y. Yamamoto, Y. Monzen, D. Lummerzheim, B. J. Watkins. Energy distribution of precipitating electrons from absorption measurements. *Annales Geophysicae*, European Geosciences Union, 2004, 22 (5), pp. 1613-1622., @2004
 688. онев P. (2011) Electric response of high latitudinal middle atmosphere to solar wind characteristics studied by model simulations. SES 2011, Seventh Scientific Conference on SPACE, ECOLOGY, SAFETY, 29 November – 1 December 2011, BAS Publishing, Sofia, pp. 49-54., @2011
 689. Tonev P. (2012) Estimation of Currents in Global Atmospheric Electric Circuit with Account of Transpolar Ionospheric Potential. *C.R. Acad. bulg. Sci.*, 65(11), 1593., @2012
 690. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (4 citations - p. 14), @2013
 691. S. Asenovski. PhD Thes. Autoref., ISRT, BAS Publishing House, Sofia, 2013., @2013
 692. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. *C.R. Acad. Bulg. Sci.*, 70(1), 1-10, @2017
 693. Kilifarska N. (2018) Ozone profile response to the series of coronal mass ejections and severe geomagnetic storm in September 2017, *C. R. Acad. Bulg. Sci.*, 71(1), 1-10, DOI:10.7546/CRABS.2018.05.11, @2018
 694. A. Stoev, P. Stoeva (2019) Cosmic ray and solar activity influences on long-term variations of cave climate systems, *Aerospace Res. Bulg.* 31, 61-70., @2019
 695. N. Kilifarska, R. Bojilova (2019) Geomagnetic Focusing of Cosmic Rays in the Lower Atmosphere – Evidence and Mechanism, *Comptes rendus de l'Académie bulgare des sciences*, 72(3), 374., @2019
 696. Stephen R. Kaeppler, Ennio Sanchez, Roger H. Varney, Robert J. Irvin, Robert A. Marshall, Jacob Bortnik, Ashton S. Reimer, Pablo M. Reyes (2019) Chapter 6: From Loss in the Magnetosphere to Particle Precipitation in the Atmosphere, *The Dynamic Loss of Earth's Radiation Belts*, Book • 2019, Pages 145-197, Elsevier, <https://doi.org/10.1016/B978-0-12-813371-2.00006-6>
 697. Kaeppler, S.R., Sanchez, E., Varney, R.H., Marshall, R.A., Bortnik, J. (2020) Incoherent scatter radar observations of 10–100 keV precipitation: review and outlook in *The Dynamic Loss of Earth's Radiation Belts: From Loss in the Magnetosphere to Particle Precipitation in the Atmosphere (Book Chapter)*, Elsevier, @2020 [Линк](#)

119. **Velinov P. I. Y.**, Nestorov G., Spasov C., Dachev T., **Tassev Y.** (1984) Ionospheric and Stratospheric Effects of Proton Flare During Unusual Solar Activity on 22 November 1982. JCR-IF (Web of Science):1.409

Цитирана се в:

698. Mori H, Ishii M, Murayama Y, et al. Energy distribution of precipitating electrons estimated from optical and cosmic noise absorption measurements, Annales geophysicae, 1990, 7, 103-110, @1990
699. X.Спасов. Йоносфера и нейното интерпретиране, Изд. ГФИ БАН, София, 2008., @2008
700. Sanjay Kumar, A. K. Singh (2012) Effect of solar flares on ionospheric TEC at Varanasi, near EIA crest, during solar minimum period, Indian Journal of Radio & Space Physics, 61, 147., @2012
701. Kilifarska N. (2019) Latitudinal dependence of the stratospheric ozone and temperature response to solar particles' forcing on 20 January 2005, Aerospace Res. Bull., 10, 1-10, @2019

120. **Velinov P. I. Y.**, Smirnova N., Vlasov V. (1984) Explanation of Normal Winter Anomaly on the Basis of Seasonal Variation of Short Wave Absorption. In: Handbook for MAP (Middle Atmosphere Program) - Ground-Based Studies of the Middle Atmosphere, Vol. 10., Co-sponsored by SCOSTEP of ICSU, Univ. Illinois, Urbana, USA, 1984, 70-74

Цитирана се в:

702. Т. Панчева. Бълг. геофиз. сп., 1984, 10, 1, с. 122., @1984

121. Nestorov G., **Velinov P. I. Y.**, Pancheva D. (1984) Model of the Influence of Neutral Wind Dynamics on the Seasonal Variation in the Low Ionosphere. In (Ed. by S. Bouhill) (Middle Atmosphere Program) - Ground-Based Studies of the Middle Atmosphere, Vol. 10, Co-sponsored by SCOSTEP of ICSU, Univ. Illinois, Urbana, USA, 1984, 66-69

Цитирана се в:

703. Bojilova R., P. Mukhtarov (2020) Relationship between the Critical Frequencies of the Ionosphere over Bulgaria and Geomagnetic Activity, C. R. Acad. Bulg. Sci., 73, 1-10, @2020

122. Spasov C., **Velinov P. I. Y.** (1984) Magnetic Storm Effect on the Ionospheric D- and F- Layers at Night Conditions. C. R. Acad. Bulg. Sci., 37, 7, 1984, 883-886. ISI IF:0.2

Цитирана се в:

704. Y.K. Tassev. Proc. VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2001, 67 - 70, @2001
705. Й.К. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за степен "доктор", ЦИО БАН, София, 2001, @2001
706. P. Mukhtarov, N. Penov, D. Pancheva (2013) N (h) profiles derived from ionograms and their application for studying mid-latitude ionospheric response to geomagnetic storms, J. Geophys. Res., 118, 1315-1322., @2013
707. Bojilova R., P. Mukhtarov (2021) Construction of Ionospheric Critical Frequencies Based on the Total Electron Content over Bulgaria, C. R. Acad. Bulg. Sci., 74, 0.343, @2021 [Линк](#)
708. Bojilova R., Atanasova M. (2024) Post-seismic ionosphere effects after Croatian MW 6.4 earthquake on 29 December 2020, C. R. Acad. Bulg. Sci., 77, 1-10, DOI:10.7546/CRABS.2024.05.07, @2024 [Линк](#)

123. Spasov C., **Velinov P. I. Y.** (1984) Magnetic Storm Effect on the Ionospheric D- and F- Regions at Night Conditions.. Extended Abstr. International Symposium on Ionospheric Storms, Origin, KAPG, Prague, March 19-24, Geophys. Inst., CSAS, Prague, 1984, 15-16

Цитирана се в:

709. Г. Несторов. Бълг. геофиз. списание, 1985, 11, 2, 41, 43: (3 citations), @1985
710. Й.К. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за степен "доктор", ЦИО БАН, София, 2001, @2001
711. Bojilova R., P. Mukhtarov (2021) Construction of Ionospheric Critical Frequencies Based on the Total Electron Content over Bulgaria, C. R. Acad. Bulg. Sci., 74, 0.343, @2021 [Линк](#)

1985

124. **Velinov P. I. Y.**, Spasov C., Marinov P., **Tassev Y.** (1985) Comparison of Subpeak Electron Density Profiles Deduced from Ionograms with the International Reference Ionogram. Elsevier, 1985, 25-28. JCR-IF (Web of Science):1.409

Цитирана се в:

712. Champion, K.S.W., Recent advances in upper atmospheric structure, Advances in Space Research, 5 (7), 169-178, 1985., @1985
713. Bilitza, Dieter, Karl Rawer (1990) New options for IRI electron density in the middle ionosphere, Advances in Space Research, 10 (11), 7-16. (2 citations, p. 9, 15), https://doi.org/10.1016/0273-1177(99)80019-2, @1990
714. Dieter Bilitza, International Reference Ionosphere 1990, NSSDC/WDC-A-R&S 90-22, Science Applications Research, Lanham, Maryland 20706, U.S.A., November 1990, Center/World Data Center A for Rockets and Satellites., @1990
715. Hanbaba, R. (1995) Statistical use of ionosonde data for IRI. Advances in Space Research, 15(2), 17-22. https://doi.org/10.1016/S0273-1177(99)80019-2, @1995
716. Borislav Andonov (2017) VERTICAL TOTAL ELECTRON CONTENT AND RECEIVER BIAS CALCULATIONS FOR BALKAN PENINSULA GNSS STATIONS, Compt. rend. Acad. bulg. Sci., 70, 1728., @2017
717. B. Andonov, Pl. Mukhtarov (2018) A new method for mapping of vertical total electron content over Balkan peninsula, Compt. rend. Acad. bulg. Sci., 71 (3), 391-397, @2018

125. **Velinov P. I. Y.,** Gerdjikova M.. (1985) Normalized Electron Production Rate Profiles as a Result of Penetration of High Energy Solar Particles in the Ionosphere. Adv. Space Res. 5 (10), p.3-7, Jan 1985., **@1985**
JCR-IF (Web of Science):1.409
Цитирана се в:
718. Ramanamurty, Y.V., Highlights of the 1985 URSI/COSPAR workshop on the IRI. Advances in Space Research, 5 (10), p.3-7, Jan 1985., **@1985**
719. Dieter Bilitza, International Reference Ionosphere 1990, NSSDC/WDC-A-R&S 90-22, Science Applications Research, Lanham, Maryland 20706, U.S.A., November 1990, Center/World Data Center A for Rockets and Satellites., **@1990**
126. **Velinov P. I. Y.,** Delistoyanov S., Mishev D., Nestorov G., Spassov C.. (1985) Ionospheric Measurements by Informational Radioline of Satellite "Meteor-Priroda". In the Book "Meteor-Priroda", Gidrometeoizdat, St. Peterbourg, 1985, pp. 145-151.
Цитирана се в:
720. Д. Мишев. Spectral characteristics of the natural objects, Изд. БАН, София, 1986., **@1986**
721. К. Я. Кондратьев, В.В. Коздеров, П.П. Федченко, А.Г. Топчиев. Биосфера. Методы и результаты дистанционного зондирования, Изд. Наука, Москва, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 25

738. Д. Самаржиев и др. Бълг. геофиз. списание, 1986, 12, п. 3, 23 & 26: 3 citations., @1986
739. Х.Спасов. Йоносфера и нейното интерпретиране, Изд. ГФИ БАН, София, 2008, @2008
740. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (1 citation - p. 13), @2013
741. N. Penov, D. Pancheva, P. Mukhtarov, G. Guerova. Ionospheric Response to Sudden Stratospheric Warming During January 2009 Recorded by Ionosonde Measurements, 2. (2 citations), @2015
742. Plamen Mukhtarov, Rumiana Bojilova (2017) INFLUENCE OF SOLAR AND GEOMAGNETIC ACTIVITY ON THE IONOSPHERE OVER BULGARIA, C. R. Acad. Bulg. Sci., 1296., @2017
743. B. Andonov, Pl. Mukhtarov (2018) A new method for mapping of vertical total electron content over Balkan peninsula, Compt. rend. Acad. bulg. Sci., 71 (3), 391–397, @2018
744. Bojilova R., P. Mukhtarov (2019) Response of Total Electron Content to the Three G4 – Severe Geomagnetic Storms in January 2005 Associated with Cosmic Ray Storm, Bulg. Sci., 72, 9, BAS, 1244-1250. DOI: 10.7546/CRABS.2019.09.12, @2019
745. Bojilova R. (2021) Empirical Modeling of Ionospheric Characteristics over Bulgaria, PhD Thesis, National Institute of Geophysics, Geodesy and Geography - BAS, Department of the Ionosphere", NIGGG Publishers, 116 p., @2021
746. Bojilova R., P. Mukhtarov (2021) Construction of Ionospheric Critical Frequencies Based on the Total Electron Content over Bulgaria, C. R. Acad. Bulg. Sci., 74, 0.343, @2021 [Линк](#)
747. Bojilova, R., P. Mukhtarov (2021) An empirical model for forecasting the critical frequency of the ionospheric E-region over Bulgaria. SGEM Conference Proceedings, International Multidisciplinary Scientific GeoConference, 14-22.08.2021, Albena resort, Bulgaria, @2021
131. Serafimov K., **Velinov P. I. Y.**, **Tassev Y.**, Spassov C., **Dachev T.**, Cohen M.. (1985) Latitudinal Distribution of Precipitated Particles in Ionosphere During Magnetospheric Storms, Conference with International Participation COSMOS'85, Varna, Bulg. Acad. Sci. & Bulg. Astron. Soc., Sofia, 1985, 89-92.
- Лумупа се е:
748. M. Gogoshev, I. Kutiev, T. Dachev, T. Kardashev, A. Strigachev. BIBLIOGRAPHY K.B. Serafimov. 35 Years Space Activity, Edited by the Bulgarian Astronautical Society, 77-87., @1992
749. Bojilova R., P. Mukhtarov (2020) Relationship between the Critical Frequencies of the Ionosphere over Bulgaria and Geomagnetic Activity, C. R. Acad. Bulg. Sci., 73, 0.343, @2021

1986

132. Vlasov V., Smirnova N., Ogloblina O., **Velinov P. I. Y.**. (1986) Goodness of Approximation of Lower Ionosphere Parameters Given by Theoretical Model and by International Geophysical Year (IGY) Data, XI.2.10. on the XXVI Plenary Meeting of the Committee of Space Research (COSPAR), 30 June-11 July 1986, Toulouse, France, Abstr. 012.054., 1986, 1-10.
- Лумупа се е:
750. U. Esser, H. Hefele, I. Heinrich, W. Hofmann, D. Krahn, V. R. Matas, L. D. Schmadel, G. Zech (1987) Astronomy and Astrophysical Abstracts, Vol. 44, Part 2, p. 121-124., GmbH, @1987
751. Physics Briefs: Physikalische Berichte, Volume 10, p. 3536, Physik Verlag, 1988., @1988

1987

133. Vlasov V. A., Smirnova N. V., Ogloblina O. F., **Velinov P. I. Y.**. (1987) Goodness of approximation of lower ionosphere parameters given by a theoretical model and by the International Geophysical Year (IGY) Data, Adv. Space Res., 7(6), Elsevier, 1987, DOI:10.1016/0273-1177(87)90285-7, 121-124.. JCR-IF (Web of Science):1.463
- Лумупа се е:
752. U. Esser, H. Hefele, I. Heinrich, W. Hofmann, D. Krahn, V. R. Matas, L. D. Schmadel, G. Zech (1987) Astronomy and Astrophysical Abstracts, Vol. 44, Part 2, p. 121-124., GmbH, @1987
753. Physics Briefs: Physikalische Berichte, Volume 10, p. 3536, Physik Verlag, 1988., @1988
134. Serafimov K., **Velinov P. I. Y.**. (1987) On the Differences Between the Maximum and Noon F - Region Critical Frequencies. C. R. Acad. Bulg. Sci., 40, 1, 1987, 51-54. JCR-IF (Web of Science):1.463
- Лумупа се е:
754. M. Gogoshev, I. Kutiev, T. Dachev, T. Kardashev, A. Strigachev. BIBLIOGRAPHY K.B. Serafimov. 35 Years Space Activity, Edited by the Bulgarian Astronautical Society, 77-87., @1992
755. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (1 citation - p. 13), @2013
756. N. Penov, D. Pancheva, P. Mukhtarov, G. Guerova. Ionospheric Response to Sudden Stratospheric Warming During January 2009 Recorded by Ionosonde Measurements, 2. (2 citations), @2015
757. Borislav Andonov (2017) VERTICAL TOTAL ELECTRON CONTENT AND RECEIVER BIAS CALCULATIONS FOR BALKAN PENINSULA GNSS STATIONS, Comptes Rendus Acad. Bulg. Sci., 1728., @2017
758. Plamen Mukhtarov, Rumiana Bojilova (2017) INFLUENCE OF SOLAR AND GEOMAGNETIC ACTIVITY ON THE IONOSPHERE OVER BULGARIA, C. R. Acad. Bulg. Sci., 1296., @2017

759. B. Andonov, Pl. Mukhtarov (2018) A new method for mapping of vertical total electron content over Balkan peninsula, *Compt. rend. Acad. bulg. Sci.*, 71 (3), 391–397.
760. Bojilova R., P. Mukhtarov (2020) Relationship Between Short-term Variations of Solar Activity and Critical Frequencies of the Ionosphere Represented by FoF2 and h'pF2, *Journal of Space Weather and Space Climate*, 1416-1424., @2020
761. Bojilova R. (2021) Empirical Modeling of Ionospheric Characteristics over Bulgaria, PhD Thesis, National Institute of Geophysics, Geodesy and Geography - BAS, Department of "Physical Properties of the Ionosphere", NIGGG Publishers, 116 p., @2021
762. Bojilova R., P. Mukhtarov (2021) Construction of Ionospheric Critical Frequencies Based on the Total Electron Content over Bulgaria, *C. R. Acad. Bulg. Sci.*, 74 (2), 0.343, @2021 [Линк](#)
763. P. Mukhtarov, R. Bojilova (2021) Accuracy Assessment of the Ionospheric Critical Frequencies Reconstructed by TEC over Bulgaria, *C. R. Acad. Bulg. Sci.*, 74 (2), 0.343, @2021 [Линк](#)

1989

135. Dachev T., Matveichuk Y., Bankov N., Koleva R., Velinov P. I. Y., Todorieva L., Semkova Y., Petrov V., Redko V., Zil V., Mitrikas V.. (1989) Modeling of the Radiation Environment of the Bulgarian Cosmonaut on Board the MIR Space Station. *Adv. Space Res.*, 9, 10, Elsevier, 1989, 253-255. JCR-IF (Web of Science):1.409

Цитира се в:

764. Бенгин В.В. и др. Известия АН СССР, серия физическая, 1991, 55 (10), 1901., @1991
765. M. N. Fomenkova, J. F. Kerridge, Kurt Marti, Lucy A. Mcfadden (1992) Compositional Trends in Rock-Forming Elements of Comet Halley Dune 10.1126/science.11538058, @1992
766. Бенгин В.В., Панасюк М.И. и др. (1992) Исследования радиационной обстановки на борту станции МИР во время солнечного протонного события. *Известия АН СССР, серия физическая*, 1992, 30 (5), 700-708., @1992
767. Jürgen Kiefer, Karin Schenk-Meuser, Michael Kost (1996) Radiation biology. In the Book: Moore D., Bie P., Oser H. (eds) *Biological and Medical Research in Space*, pp. 300-367. DOI https://doi.org/10.1007/978-3-642-61099-8_6, @1996 [Линк](#)
768. Mitrikas, V.G. A model of the earth's radiation belts for estimating a radiation situation at the orbit of the Mir orbital manned station. 1999 *Cosmic Research* 37 (5), pp. 505-512.
769. Miroshnichenko L.I. (2003) Book: *Radiation Hazards in Space*, (Astrophysics and Space Science Library Book 297), Kluwer Academic Publisher, 243 p., ISBN-10: 1-4020-0811-1.

136. Dachev T., Serafimov K., Velinov P. I. Y., Spassov C.. (1989) Sunrise Increase of the Density of the NO and O2 Molecular Ions in the Equatorial and Tropical Ionosphere. *Journal of Space Weather and Space Climate*, 90. JCR-IF (Web of Science):0.21

Цитира се в:

770. M. Gogoshev, I. Kutiev, T. Dachev, T. Kardashev, A. Strigachev. BIBLIOGRAPHY K.B. Serafimov. 35 Years Space Activity, Edited by the Bulgarian Astronautical Society, 1992, 77-87., @1992
771. Отчетен доклад за дейността на БАН през 1991 год., Върхови постижения, Изд. БАН, София, 1992, стр. 19., @1992

137. Mateev L., Nenovski P., Velinov P. I. Y.. (1989) Intensive MHD-Structures Penetration in the Middle Atmosphere Initiated in the Ionospheric Cusp under Quiet Geomagnetic Conditions (Middle Atmosphere Program) - Solar Activity Effects on the Middle Atmosphere, Vol. 29(1), SCOSTEP Secr., Univ. of Illinois, Urbana, Illinois 61801, USA, 1989, 151-155

Цитира се в:

772. J. Lastovicka. In: Handbook for MAP, 1989, vol.29, Proceedings of International Symposium on Solar Activity Forcing of the Middle Atmosphere, USA, Illinois, p. IV, 1-10.
773. Ластовичка, Я., КАПГ отчет для 1989 года, Т. IV.4.2, Москва, 1989, стр. 3., @1989
774. NASA Technical Reports Server: [naca.larc.nasa.gov/search.jsp?No=220&Ne=35&N=239+270](https://ntrs.nasa.gov/search.jsp?No=220&Ne=35&N=239+270)., @1990

138. Velinov P. I. Y., Mateev L.. (1989) Solar Activity Influence on Cosmic Ray Penetration in the Middle Atmosphere. In: Handbook for MAP (Middle Atmosphere Program) - Solar Activity Effects on the Middle Atmosphere, Vol. 29(1), SCOSTEP Secr., Univ. of Illinois, Urbana, Illinois 61801, USA, 1989, 147-150

Цитира се в:

775. J. Lastovicka. In: Handbook for MAP, 1989, vol.29, Proceedings of International Symposium on Solar Activity Forcing of the Middle Atmosphere, USA, Illinois, p. IV, 1-10.
776. Ластовичка, Я., КАПГ отчет для 1989 года, Т. IV.4.2, Москва, 1989, стр. 3., @1989
777. NASA Technical Reports: [naca.larc.nasa.gov/search.jsp?No=220&Ne=35&N=239+270](https://ntrs.nasa.gov/search.jsp?No=220&Ne=35&N=239+270)., @1990
778. O.I.Shumilov, O. Raspopov et al. *Geomagn. Aeronomia*, 1997, 37, 1, 24 - 31: (2 цитата), @1997

1990

139. Velinov P. I. Y., Mateev L.. (1990) Stratified Layers in the Ionospheric Electron Production Rate Profiles as a Result of High Energy Particle Ionization. *Adv. Space Res.*, 10, 1, Elsevier, 1990, 1-10. JCR-IF (Web of Science):1.409

Цитира се в:

779. P. Tonev. Proc. VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2001, 79-82 (2 citations), @2001

780. Y. Tassev. Report on the the Fourth European Space Weather Week ESWW4, European Space Agency, ESA Conference Bureau, The EC COST Office, The Royal 2007, Final Abstr. Book, p. 51, @2007
 781. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за степ Физика на околоземното пространство. ЦЛСЗВ БАН, София, 2007: стр. 46, @2007
 782. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing Hause, Sofia, 2013. (3 citations: p. 1, 12, 19), @2013
 783. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (3 citations: p. 2, 1
 140. Velinov P. I. Y., Mateev L.. (1990) Effects of Galactic Cosmic Rays and High Energy Particles on the Parameters of the Global Atmospheric Electrical Circuit. Geomagnetism and Aeronomy, 30, 4, 1990, 593-598. ISI IF:0.947
- Цитирани са:
784. M.G. Bateman, Atmospheric Electricity and Charge Microphysics: <http://ae.nsstc.uah.edu/AE/refs.html>, @1991
 785. WorldWideScience.org: <http://worldwidescience.org/topicpages/i/ionization+losses+function.html>, @1991
 786. Y.K. Tassev. Compt. rend. Acad. bulg. Sci., 1992, 45, 12, 37 - 40, @1992
 787. P. Tonev. Proc. IX Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, стр. 45-48: (2 cit.), @2002
 788. P. Tonev. Proc. IX Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, стр. 49-52: (2 cit.), @2002
 789. P.T. Tonev. Quasi DC Electric Fields above Equatorial Thunderclouds. C.R. Acad. bulg. Sci., 2002, 55, 1, 45 - 50., @2002
 790. P. Tonev. Quasi-electrostatic Fields in the Middle Atmosphere Due to Lightning – Dependence on Discharge Parameters. Solar - Terrestrial Influences, Proceeding Conference, Dedicated to the Year of Physics 2005, Sofia, 23 - 25 November 2005, Edited by S. Panchev, CSTIL BAS, Publishing House of Bulgarian Academy of Sciences, 2005, 1, 1-4, @2005
 791. П. Тонев. Моделиране разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане образ на научната специалност - Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007: Глава 1.: (6 citations), @2007
 792. P.T. Tonev. Electric Breakdown Occurrence in Atmosphere above Lightning - Impact of Conductivity and Discharge Parameters. C.R. Acad. bulg. Sci., 2008, 61, 3, 251-252., @2008
 793. Y.K. Tassev. Relationships between Low Energy Proton Flux and Ozone, Temperature and Pressure during and after the Solar Proton Event from 20 January 2005. C.R. Acad. bulg. Sci., 2005, 58, 1, 252., @2005
 794. M.B. Buchvarova. Integral Primary Cosmic Ray Spectra in the Planetary Atmospheres in Extreme Phases of the Solar Cycle. C.R. Acad. bulg. Sci., 2010, 63, 11, 41-42., @2010
 795. Tonev P. (2011) Electric Response of High Latitudinal Middle Atmosphere to Solar Wind Characteristics Studied by Model Simulations. Report on SES 2011, Space, Earth and Planetary Sciences with International Participation (Sofia, December 2011), BAS and BAF, pp. 1-6. (3 citations), @2011
 796. Tonev P. (2012) Electric response of high latitudinal middle atmosphere to solar wind characteristics studied by model simulations. SES 2011, Seventh Scientific Conference on SPACE, ECOLOGY, SAFETY, 29 November – 1 December 2011, BAS Publishing, Sofia, pp. 49-54., @2012
 797. Tonev P. 2012, Estimation of Currents in Global Atmospheric Electric Circuit with Account of Transpolar Ionospheric Potential. C.R. Acad. bulg. Sci., 65, 11. (4 citations), @2012
 798. A. Kumar, Mountainous Features of Global Atmospheric Electrical Parameters Over Various Tropospheric Regions of China. CJBAS, Vol. (01) – August - Issue 01 (2011), 1-4, @2011
 799. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing Hause, Sofia, 2013. (3 citations: p. 8, 23, 33), @2013
 800. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (7 citations: p. 2, 4, 10, 11, 12, 13, 14), @2013
 801. P. Nenovski. Electric Conductivities in the Ionosphere-Thermosphere beyond Transients. C.R. Acad. bulg. Sci., 67, 2014, 1, 87., @2014
 802. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. Acad. bulg. Sci., 70, 1, 1-4, @2017
 803. Kilifarska N., Tassev Y. (2018) Ozone profile response to the series of coronal mass ejections and severe geomagnetic storm in September 2017, C. R. Acad. Bulg. Sci., 71(1), 1-4, DOI:10.7546/CRABS.2018.05.11, @2018
 804. A. Stoev, P. Stoeva (2019) Cosmic ray and solar activity influences on long-term variations of cave climate systems, Aerospace Res. Bulg. 31, 61-70., @2019
 805. N. Kilifarska, R. Bojilova (2019) Geomagnetic Focusing of Cosmic Rays in the Lower Atmosphere – Evidence and Mechanism, Comptes rendus de l'Académie bulgare des sciences, 71(1), 1-4, @2019
 806. Velichkova Ts., Kilifarska N. (2019) Lower stratospheric ozone's influence on the NAO climatic mode, C. R. Acad. Bulg. Sci., 72(2), 219-225. DOI:10.7546/CRABS.2019.02.01, @2019
 807. Velichkova-Tasheva T. P. (2020) Global and Regional Climate Variability - Driving Factors, AUTOREFERAT of PhD Thesis, NIGGG - BAS, Department of Geophysics and Meteorology, 32 p., @2020 [Линк](#)
 808. Velichkova-Tasheva T. P. (2020) Influencing Factors for Global and Regional Climate Variability, PhD Thesis, National Institute of Geophysics, Geodesy and Geography, Section "Physics of the Ionosphere", NIGGG Publishers, 135 p., @2020
141. Velinov P. I. Y., Mateev L.. (1990) Response of the Middle Atmosphere on Galactic Cosmic Ray Influence. Geomagnetism and Aeronomy, 30, 4, 1990, 593-598. ISI IF:0.947
- Цитирани са:
809. Y. Tassev. Ozone profile behavior over south-eastern Europe during solar maximum and minimum Dokladi na Bolgarskata Akademiya na Naukite Volume: 45 Issue: 1, 1990, 1-4, @1990
 810. P.T. Tonev. Quasi DC Electric Fields above Equatorial Thunderclouds. C.R. Acad. bulg. Sci., 2002, 55, 1, 45 - 50., @2002
 811. Й.К. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за присъждане образ на научната специалност - Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2004: Глава 3: p. 66, 68, 150 (3 citations), @2004
 812. L. Desorgher, E. O. Flückiger, M. Gurtner (2005) The Planetocosmics Geant4 application, University Hospital of Lausanne, Institute of radiation physics, Lausanne, Switzerland, 1-10, @2005

813. L. Desorgher, E. Flückiger, M. Gurtner (2006) The Planetocosmics Geant4 application https://www.researchgate.net/publication/241603312_The_Planetocosmics_Geant4_application/references, @2006
814. P. Tonev, Conditions for Electric Breakdown in Lower Ionosphere due to a Lightning Discharge, Report on "International Heliophysical Year: New Insights into Solar Wind and Space Weather", November 5-11, 2007, Zvenigorod, Russia, Abstracts, p.123: <http://helios.izmiran.rssi.ru/Solter/ihy2007/index.html>, @2007
815. Y. Tassev. Statistical Analysis of the Ozone, Temperature and Pressure Reactions During and After the Solar Proton Event on 20 January 2005. Report P4.01 on the 10th European Space Agency, ESA Conference Bureau, The EC COST Office, The Royal Library of Belgium, Brussels, 5 - 9 November 2007, Final Abstracts, @2007
816. П. Тонев. Моделиране на разпределението на електрическите полета от заредени облаци в ниската йоносфера. Автореферат на дисертационен труд за специалност - Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007: (2 citations), @2007
817. П. Тонев. Моделиране на разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане на степен на магистър, Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007: (5 citations), @2007
818. Bazilevskaya, G.A., I.G. Usoskin, E. O. Flueckiger, R. G. Harrison, L. Desorgher, R. Buetikofer, M. B. Krainev, V.S. Makhmutov, Y.I. Stozhkov, A.K. Svirzhetskaya, Cosmic Ray Induced Ion Production in the Atmosphere, Space Sci. Rev., 137, 149-173., @2008
819. Bazilevskaya, G.A., Usoskin, I.G., Flückiger, E.O., Harrison, R.G., Desorgher, L., Bütikofer, R., Krainev, M.B., Makhmutov, V.S., Stozhkov, Y.I., Svirzhetskaya, A.K. Cosmic ray induced ion production in the atmosphere. Space Science Reviews, 137(1-4), pp.149-173., @2008
820. F. Leblanc, K. Alplin, Y. Yair, R. Harrison, J. Lebreton, M. Blanc. Planetary Atmospheric Electricity, Springer Science, 2008, 532 p., @2008
821. Jean Lilensten, A. Belehaki, M. Messerotti, R. Vainio, Stefaan Poedts, COST 724 final report: Developing the scientific basis for monitoring, modelling and predicting solar wind and space weather, Publisher: COST Office, Editor: Jean Lilensten, Anna Belehaki, Mauro Messerotti, Rami Vainio, Jurgen Watermann, Stefaan Poedts, ISBN: 978-92-898-0044-0, @2008
822. P.T. Tonev. Conditions for Electric Breakdown in The Lower Ionosphere Due to a Lightning Discharge. Солнечно-земная физика. Вып. 12. Т. 2. (2008) 248-249., @2008
823. P.T. Tonev. Electric Breakdown Occurrence in Atmosphere above Lightning - Impact of Conductivity and Discharge Parameters. C.R. Acad. bulg. Sci., 2008, 61, 3, 303-308., @2008
824. Sloan T.; Wolfendale A. W. Testing the proposed causal link between cosmic rays and cloud cover ENVIRONMENTAL RESEARCH LETTERS Volume: 3 Issue: 2 Article: 0326/3/2/024001 Published: APR-JUN 2008, @2008
825. Usoskin, I., et al. (2008) Solar and galactic cosmic rays in the Earth's atmosphere, in "COST 724 final report: Developing the scientific basis for monitoring, modelling and predicting solar wind and space weather" (eds. Lilensten, A. Belehaki, M. Messerotti, R. Vainio, J. Watermann, S. Poedts), COST Office, Luxemburg, 2008 (ISBN 978-92-898-0044-0), pp. 124-132., @2008
826. Y.K. Tassev. Relationships between Low Energy Proton Flux and Ozone, Temperature and Pressure during and after the Solar Proton Event from 20 January 2005. Space Weather, 6, 252., @2008
827. Usoskin, Ilya, et al. (2009) Ionization of the Earth's atmosphere by solar and galactic cosmic rays, Acta Geophysica 57(1), 88-101., @2009
828. I.G. Usoskin. Cosmic rays and climate forcing. Memorie della Societa Astronomica Italiana. 01/2011. Vol. 82, 937-942. (2 citations), @2011
829. Tonev P. (2011) Electric response of high latitudinal middle atmosphere to solar wind characteristics studied by model simulations. SES 2011, Seventh Scientific Conference on SPACE, ECOLOGY, SAFETY, 29 November – 1 December 2011, BAS Publishing, Sofia, pp. 49-54., @2011
830. Tonev P. 2012, Estimation of Currents in Global Atmospheric Electric Circuit with Account of Transpolar Ionospheric Potential. C.R. Acad. bulg. Sci., 65, 11. (3 citations), @2012
831. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (2 citations: p. 8, 23), @2013
832. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (6 citations: p. 2, 4, 5, 6, 7, 8), @2013
833. Nenovski P. Electric Conductivities in the Ionosphere-Thermosphere beyond Transients. C.R. Acad. bulg. Sci., 67, 2014, 1, 87., @2014
834. Mironova, I.A., Aplin, K.L., Arnold, F., Bazilevskaya, G.A., Harrison, R.G., Krivolutsky, A.A., Nicoll, K.A., Rozanov, E.V., Turunen, E. and Usoskin, I.G., 2015. Energetic particle influence on the Earth's atmosphere. Space Science Reviews, 194(1-4), pp.1-96. DOI: 10.1007/s11214-015-0185-4, @2015
835. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4861-080403846, @2016
836. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, Middle-East Journal of Scientific Research, 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
837. Umahi, A. E. (2016) Impact of High Energy Charged Galactic Particle Variations in the Earth's Atmosphere, Middle-East Journal of Scientific Research, 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23456, @2016
838. Irina Mironova, I. G. Usoskin, E. Rozanov, Alexey A. Krivolutsky, Galina Bazilevskaya, Keri A. Nicoll (2017) Energetic Particle Influence on the Earth's Atmosphere, <https://www.researchgate.net/project/Energetic-Particle-Influence-on-the-Earths-Atmosphere>, @2017

1991

142. Velinov P. I. Y.. (1991) Effect of the Anomalous Cosmic Ray (ACR) Component on the High-Latitude Ionosphere. C. R. Acad. Bulg. Sci., 44(2), 1991, 33-36. JCR-IF (Web of Science) 0.18, @1991
- Цитирани са:
839. Отчетен доклад за дейността на БАН през 1992 год., Върхови постижения, Изд. БАН, София, 1993, стр. 30., @1993
 840. L. Mateev. Bulg. Geophys. J., 1997, 23, 2, 87-95: (3 citations), @1997
 841. M. Buchvarova. Compt. rend. Acad. bulg. Sci., 2001, 54, 3, 43 - 46: (2 citations), @2001
 842. Buchvarova, M. B. (2002). An analytical model for differential spectrum of cosmic rays. Publications de l'Observatoire Astronomique de Beograd, 73, 91-95., @2002
 843. M. Buchvarova. Compt. rend. Acad. bulg. Sci., 2002, 55, 7, 27 - 30: (3 citations), @2002

844. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за специалност - Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007: (3 citations), @2007
 845. M.B. Buchvarova. Cosmic Ray Spectra Approximation Model for Protons and Alpha Particles in the Heliosphere. C.R. Acad. bulg. Sci., 2009, 62, 11, 1439 - 1448. (2 citations), @2009
 846. L.N. Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. C.R. Acad. bulg. Sci., 2010, 63, 4, 593 - 600. (2 citations), @2010
 847. M.B. Buchvarova. Integral Primary Cosmic Ray Spectra in the Planetary Atmospheres in Extreme Phases of the Solar Cycle. C.R. Acad. bulg. Sci., 2010, 63, 11, 411 - 418. (2 citations), @2010
 848. Tonev P. (2011) Electric response of high latitudinal middle atmosphere to solar wind characteristics studied by model simulations. SES 2011, Seventh Scientific Conference on SPACE, ECOLOGY, SAFETY, 29 November – 1 December 2011, BAS Publishing, Sofia, pp. 49-54. (3 citations), @2011
 849. Tonev P. 2012, Estimation of Currents in Global Atmospheric Electric Circuit with Account of Transpolar Ionospheric Potential. C.R. Acad. bulg. Sci., 65, 11. (4 citations), @2012
 850. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (4 citations: p. 3, 5, 18, 29), @2013
 851. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (6 citations - p. 2, 3, 4, 5, 18, 29), @2013
 852. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4861-0804038-46, @2016
 853. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, Middle-East Journal of Scientific Research 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
143. Velinov P. I. Y., Spassov C., Kolev S.. (1991) Ionospheric Effects of Lightning during the Increasing Part of Solar Cycle 22. C. R. Acad. Bulg. Sci., 44, 6, 1991, 25-28. JCR-1991, @1991
- Цитирана е:
854. P. Tonev. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, стр. 45-48., @2002
 855. P. Tonev. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, стр. 49-52., @2002
 856. П. Тонев. Моделиране разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане образцова научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007: (3 citations), @2007
144. Velinov P. I. Y., Vlasov V., Smirnova N., Ogloblina O.. (1991) Modelling of Electron Density Profiles and Radiowave Absorption in the Ionospheric D-Region. (Review paper) BAS Publishers, Sofia, 1991, ISSN:2367-95222 (on line) & 1313-0927 (print)
- Цитирана е:
857. P.Tonev. Proc. II National Conference "Contemporary Problems of Solar-Terrestrial Influences", 1995, 33-34., @1995
145. Velinov P. I. Y., Mateev L.. (1991) Ionization of Galactic Cosmic Rays and High Energy Particles in Ionosphere and Atmosphere of Mars. C.R. Acad. Bulg. Sci., 44, 1, 1991, 1-10. JCR-1991, @1991
- Цитирана е:
858. M. Buchvarova. Proc. VII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2000, 121-124., @2000
 859. M. Buchvarova. Proc. VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2001, 23 - 26, @2001
 860. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за специалност - Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007: стр. 4, 87 (2 citations), @2007
 861. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. [2 citations: p. 33 (2)], @2013
 862. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (4 citations - p. 2, 3, 4, 5), @2013
 863. Guillaume Gronoff, Ryan B. Norman, Christopher J. Mertens. Computation of cosmic ray ionization and dose at Mars. I: A comparison of HZETRN and Planetocosm Space Res., 55, 2015, 1799 - 1805., @2015
 864. J. Semkova, T. Dachev, St. Maltchev, B. Tomov, Yu. Matviichuk, P. Dimitrov, R. Koleva, I. Mitrofanov, A. Malakhov, M. Mokrousov, A. Sanin, M. Litvak, A. Kozyrev, Vostrukhin, F. Fedosov, N. Grebennikova, V. Benghin, V. Shurshakov. Radiation Environment Investigations During Exomars Missions to Mars - Objectives, Experience. Bulg. Sci., 68, 2015, 4., @2015
 865. Safinaz A. Khaled, Luc Damé, Mohamed A. Semeida, Magdy Y. Amin, Ahmed Ghitass, Shahinaz Yousef et al. (2020) Variations of the Hydrogen Lyman Alpha Line through 2 and SORCE/SOLSTICE Data, Comptes rendus de l'Académie bulgare des Sciences, Vol 73, No9, pp.1260-1269., @2020
 866. Werner R., V. Guineva, A. Atanasov, D. Valev, D. Danov, B. Petkov, A. Kirillov (2021) Ultraviolet radiation levels over Bulgarian high mountains, Aerospace Res. DOI: 10.3897/arb.v33.e03, @2021
146. Velinov P. I. Y., Mateev L.. (1991) Cosmic Ray Ionization in the Ionosphere and its Influence on Radio Wave Propagation. C. R. Acad. Bulg. Sci., 44, 3, 1991, 61-64. JCR-1991, @1991
- Цитирана е:
867. Centre National de la Recherche Scientifique, CAT.INIST, © INIST Diffusion S.A. 2, allée du parc de Brabois, F-54514 Vandoeuvre Cedex France, Courriel : infocle@clermont.fr
 868. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за специалност - Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007: (2 citations), @2007
 869. L. I. Dorman (2008) Natural hazards for the Earth's civilization from space, 1. Cosmic ray influence on atmospheric processes, Advances in Geosciences, 14, 281-287. (2 citations), @2008
 870. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (3 citations: p. 2, 3, 4), @2013

147. Velinov P. I. Y., Spassov C., Kolev S.. (1992) Ionospheric Effects of Lightning during the Increasing Part of Solar Cycle 22. J. Atmos. Terr. Phys., 54, 10, Elsevier, 1992, 13

Литература се в:

871. Отчетен доклад за дейността на БАН през 1991 год. (върхово постижение ЛСЗВ БАН), Изд. БАН, София, 1992, стр. 19., @1992
872. P. Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comiision G. 1992 - 1995 trienium report. Comssion G Reference File, [http://www.ursi.org/G\(rrsq.ect.uct.ac](http://www.ursi.org/G(rrsq.ect.uct.ac)
873. P. Tonev. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, стр. 45-48: (2 citations), @2002
874. P. Tonev. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, стр. 49-52: (2 citations), @2002
875. P. Tonev. Quasi DC Electric Fields above Equatorial Thunderclouds. C.R. Acad. bulg. Sci., 2002, 55, 1, 45 - 50., @2002
876. C.J. Davis, C.G. Johnson. Nature, Lightning-induced intensification of the ionospheric sporadic E layer, Nature, 435 (9 June 2005), № 7043, 799-801. IMPACT FAC
877. P.Tonev. Quasi-electrostatic Fields in the Middle Atmosphere Due to Lightning – Dependence on Discharge Parameters. Solar - Terrestrial Influences, Proceeding Conference, Dedicated to the Year of Physics 2005, Sofia, 23 - 25 November 2005, Edited by S. Panchev, CSTIL BAS, Publishing House of Bulgarian Academy of Sci
878. P. Tonev. Main Features of Quasi-Electrostatic Fields in Atmospheric Regions due to Lightnin Discharge. Sun and Geosphere, 2006, 1, 1, 71-75: (2 citations), @2006
879. P. Tonev, Conditions for Electric Breakdown in Lower Ionosphere due to a Lightning Discharge, Report on "International Heliophysical Year: New Insights into Solar November 5-11, 2007, Zvenigorod, Russia, Abstracts, p.123: <http://helios.izmiran.rssi.ru/Solter/ihy2007/index.html>, @2007
880. П. Тонев. Моделиране разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане образо научната специалност - Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007: (2 citations), @2007
881. Girish T. E., Eapen, P. E. Geomagnetic and sunspot activity associations and ionospheric effects of lightning phenomena at Trivandrum near dip equator JOUR TERRESTRIAL PHYSICS Volume: 70 Issue: 17 Pages: 2222-2232 Published: DEC 2008 (2 citations), @2008
882. P. Tonev (2008) Conditions for Electric Breakdown in The Lower Ionosphere Due to a Lightning Discharge. Солнечно-земная физика. Вып. 12. Т. 2, 248–249., @2008
883. P.T. Tonev. Electric Breakdown Occurrence in Atmosphere above Lightning - Impact of Conductivity and Discharge Parameters. C.R. Acad. bulg. Sci., 2008, 61, 3, 3
884. Tonev P. (2011) Electric response of high latitudinal middle atmosphere to solar wind characteristics studied by model simulations. SES 2011, Seventh Scientific C SPACE, ECOLOGY, SAFETY, 29 November – 1 December 2011, BAS Publishing, Sofia, pp. 49-54., @2011
885. Tonev P. (2012) Estimation of Currents in Global Atmospheric Electric Circuit with Account of Transpolar Ionospheric Potential. C.R. Acad. bulg. Sci., 65, 11., @2012
886. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing Hause, Sofia, 2013. (2 citations: p. 1, 5), @2013
887. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (3 citations: p. 1, 4
888. H. Silva, I. Lopes (2016) Phase-Space Representation of Neutron Monitor Count Rate and Atmospheric Electric Field in relation to Solar Activity in Cycles 21 and 22 10.1186/s40623-016-0504-3, @2016
889. Sanjay Kumar, Wu Chen, Mingli Chen, R. P. Singh (2017) Thunderstorm/Lightning induced ionospheric perturbation: An observation from equatorial and low latitud Geophysical Research: Space Physics, Aug 2017, DOI: 10.1002/2017ja023914, @2017
890. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. A
891. M. Ulukavak, Mualla Yalcinkaya (2018) Analysis of Ionospheric Anomalies due to Space Weather Conditions by using GPS-TEC Variations, Conference Paper, FI world where the continents connect: enhancing the geospatial maturity of societies, Istanbul, Turkey, May 6-11, 2018, Report 9563, pp. 1-17., @2018
892. Adarsh Dube, Rajesh Singh, Ajeet Kumar Maurya, Sanjay Kumar, P. S. Sunil, Abhay Kumar Singh (2020) Ionospheric perturbations induced by a Very Severe Cyclon VSCS, Journal of Geophysical Research: Space Physics, DOI: 10.1029/2019JA027197, Project: VLF remote sensing of the Atmosphere, Labs: Abhay Kumar Singh
893. Kumar Sarvesh (2021) Total electron content and L-band scintillation at an equatorial station: space and terrestrial weather control, Thesis for: Master of Science in F University of the South Pacific, Call No.: Pac QC 881 .2 .I6 K86 2021, BRN: 1389130., @2021
894. V. Guineva, R. Werner, R. Bojilova, L. Raykova, I. V. Despirak (2021) Mid-latitude positive bays during substorms by quiet and disturbed conditions, C. R. Acad. Bul
895. Drabindra Pandit, Prasil Poudel, Romash, Shriram Sharma (2024) A Study of Lightning Activities and Their Impact in the Ionosphere Over Nepal, Am 10.3126/arj.v4i2.65544, @2024 [Линк](#)

148. Velinov P. I. Y., Spassov C., Milenkova L.. (1992) Rocket Data Model of Middle Atmosphere Parameters in South - Eastern Europe During Maximum and Minimum Solar 1992, 45-48. JCR-IF (Web of Science):0.21

Литература се в:

896. P. Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comiision G. 1992 - 1995 trienium report. Comssion G Reference File, [http://www.ursi.org/G\(rrsq.ect.uct.ac](http://www.ursi.org/G(rrsq.ect.uct.ac)

149. Tonev P., Velinov P. I. Y.. (1992) Time-dependent model of the initial phase of thundercloud electric field penetration into the ionosphere. C. R. Acad. Bulg. Sci., 45, 2, 1992 of Science):0.21

Литература се в:

897. Гоков, О. М., & Гоков, А. М. (2010). Збурення в низькотемпературній плазмі середньоширотної нижньої іоносфери, обумовлені природними джерелами. Kharkiv National University of Economics, Репозитарий Харківського національного економічного університету імені Семена К <http://www.repository.hneu.edu.ua/jspui/handle/123456789/11119>, @2010

150. **Tonev P., Velinov P. I. Y.** (1992) Analysis of the influence of thundercloud charge distribution on the ionospheric electric fields. C. R. Acad. Bulg. Sci., 45, 9, 1992, 19-21 (Science);0.21
Цитирана е в:
898. P. Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comission G. 1992 - 1995 trienium report. Comssion G Reference File, [http://www.ursi.org/G\(rrsq.ect.uct.ac](http://www.ursi.org/G(rrsq.ect.uct.ac)
151. **Velinov P. I. Y., Tonev P.T.** (1992) Thundercloud electric field penetration into the ionosphere and its effect on the global circuit. Proceedings of 9-th International Conference on Lightning and Static Electricity, St. Petersburg, Russian Acad. Sci., 1992, 467-470
Цитирана е в:
899. P. Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comission G. 1992 - 1995 trienium report. Comssion G Reference File, [http://www.ursi.org/G\(rrsq.ect.uct.ac](http://www.ursi.org/G(rrsq.ect.uct.ac)
900. Maurice A. Jarzembski, Vandana Srivastava. Low pressure experimental simulation of electrical discharges above and inside a cloud. Journal of Atmospheric and Space Physics, February 1997, p. 271-279., @1997
152. **Mateev L., Velinov P. I. Y.** (1992) Cosmic Ray Variation Effects on the Parameters of the Global Atmospheric Electric Circuit. Adv. Space Res., 12, 10, 1992, 353-356. ISI
Цитирана е в:
901. Serafimov K; Serafimova M, Effects of vibrationally excited molecular nitrogen on ionospheric-thermospheric coupling for different levels of solar-activity, Journal of Atmospheric and Space Physics, Volume: 53 Issue: 11-12 Pages: 1139-1143 Published: NOV-DEC 1991, @1991
902. P.Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comission G. 1992 - 1995 trienium report. Comssion G Reference File, [http://www.ursi.org/G\(rrsq.ect.uct.ac](http://www.ursi.org/G(rrsq.ect.uct.ac)
903. C.J. Rodger, N.R. Thomson, R.L.Dowden. Are whistler ducts created by thunderstorm electrostatic fields? J. Geophys. Res. - Space Phys., 1998, 103, A2, pp. 2163-2170
904. P. Tonev. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, стр. 45-48: (2 citations), @2002
905. P. Tonev. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, стр. 49-52: (2 citations), @2002
906. P. Tonev. Quasi DC Electric Fields above Equatorial Thunderclouds. C.R. Acad. bulg. Sci., 2002, 55, 1, 45 - 50., @2002
907. V.A. Rakov and M.A. Uman, Lightning: Physics and Effects, Cambridge University Press, Cambridge, U.K., 2003, 687 pp., ISBN 0-521-58327-6: стр. 18, 22, 496, 500
908. P.Tonev. Quasi-electrostatic Fields in the Middle Atmosphere Due to Lightning – Dependence on Discharge Parameters. Solar - Terrestrial Influences, Proceedings of the 10th International Conference, Dedicated to the Year of Physics 2005, Sofia, 23 - 25 November 2005, Edited by S. Panchev, CSTIL BAS, Publishing House of Bulgarian Academy of Sciences, Sofia, 2005, pp. 11-14
909. П. Тонев. Моделиране на разпределението на електрическите полета от заредени облаци в ниската йоносфера. Автореферат на дисертационен труд за степенова защита, Физика на и околоземното пространство, ЦЛСЗВ БАН, София, 2007 [10 citations: стр. 9 (3 пъти - вкл. фиг. 2.3с), стр. 11 (1 път), стр. 12 (5 пъти - вкл. фиг. 3.1 и 3.6), стр. 14 (1 път)], @2007
910. П. Тонев. Моделиране на разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане на степен на магистър, Физика на и околоземното пространство, ЦЛСЗВ БАН, София, 2007. (2 citations: p. 23, 33), @2007
911. Tonev P. (2011) Electric response of high latitudinal middle atmosphere to solar wind characteristics studied by model simulations. SES 2011, Seventh Scientific Conference on Space, ECOLOGY, SAFETY, 29 November – 1 December 2011, BAS Publishing, Sofia, pp. 49-54., @2011
912. Tonev P. 2012, Estimation of Currents in Global Atmospheric Electric Circuit with Account of Transpolar Ionospheric Potential. C.R. Acad. bulg. Sci., 65, 11. (4 citations)
913. A Kumar, D Singh (2013) A comparative study on orographic and latitudinal features of global atmospheric electrical parameters over different places at three Asian countries. Research 6020(94), October 2013., @2013
914. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing Hause, Sofia, 2013. (2 citations: p. 23, 33), @2013
915. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (5 citations - p. 2, 3, 4, 5, 6)
916. Kumar A., D. Singh. A comparative study on orographic and latitudinal features of global atmospheric electrical parameters over different places at three Asian countries. Research 6020(94), October 2013, Volume 88, Issue 3, pp 225-235., @2014
917. H. Silva, I. Lopes (2016) Phase-Space Representation of Neutron Monitor Count Rate and Atmospheric Electric Field in relation to Solar Activity in Cycles 21 and 22. Journal of Space Research, 10.1186/s40623-016-0504-3, @2016
918. Suman Paul S.S., De S.S., De D.K., Haldar D.K., Haldar G., Guha G. Guha (2017) Transmission of Electric Fields due to Distributed Cloud Charges in the Atmosphere. Space Research, Jun 2017, DOI: 10.1016/j.asr.2017.06.011., @2017
919. K.A. Nicoll, R.G. Harrison, V. Barta, J. Bor, R. Yaniv (2019) A global atmospheric electricity monitoring network for climate and geophysical research, Journal of Atmospheric and Space Physics, 184, 18-29. DOI: 10.1016/j.jastp.2019.01.003, @2019
920. N. Kilifarska, R. Bojilova (2019) Geomagnetic Focusing of Cosmic Rays in the Lower Atmosphere – Evidence and Mechanism, Comptes rendus de l'Academie bulgare des Sciences, 374., @2019
153. **Mateev L., Velinov P. I. Y.** (1992) Application of the EEC Model to the Initial Formation of Thundercloud. C. R. Acad. Bulg. Sci., 45, 12, 1992, 53-56. JCR-IF (Web of Science)
Цитирана е в:
921. P. Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comission G. 1992 - 1995 trienium report. Comssion G Reference File, [http://www.ursi.org/G\(rrsq.ect.uct.ac](http://www.ursi.org/G(rrsq.ect.uct.ac)
922. П. Тонев. Моделиране на разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане на степен на магистър, Физика на и околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007

154. **Velinov P. I. Y., Mateev L..** (1992) An Improved Model of the Cosmic Ray Ionization in the High Latitude Ionosphere Considering the Anomalous Cosmic Ray Component
46. JCR-IF (Web of Science):0.21

155. **Tassev Y., Spassov C., Velinov P. I. Y..** (1993) On the Relationships between Vertical Ozone Distribution and Middle Atmosphere Dynamics During Stratospheric Warming
1. 1993. 321-324. ISI IF:1.409

156. Tassev Y., Velinov P. I. Y., Mateev L.. (1993) Ozone Production by Galactic Cosmic Rays in Magneto-Conjugated Regions of the Earth. C. R. Acad. Bulg. Sci., 46, 2, 1993

157. **Velinov P. I. Y., Tonev P..** (1993) Modeling of penetration of thundercloud electric fields into the ionosphere using corrected conductivity model. C. R. Acad. Bulg. Sci. Science):0.21

158. **Velinov P. I. Y., Mateev L.** (1993) Three-Dimensional Global Modelling of the Middle Atmosphere Ionization and its Relation to Longitudinal Effects. *Adv. Space Res.*, 13, 111-116.

159. **Velinov P. I. Y., Tonev P.** (1993) Penetration of horizontal and vertical components of thundercloud electric fields into the ionosphere - modelling and analysis. Bulg. Geophys. J. 9918. 64-72.

- 160. Tonev P., Velinov P. I. Y..** (1994) Ground Electric Fields due to Thunderclouds with Gaussian Distributed Charge. C. R. Acad. Bulg. Sci., 47, 9, 1994, 29-32. JCR-IF (Web of Science):0.32, JCR-IF (Web of Science):0.21
Цитирана е в:
945. P.Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comission G. 1992 - 1995 trienium report. Comssion G Reference File, <http://www.ursi.org/G> (rrsq.ect.ac.uk)
- 161. Velinov P. I. Y., Tonev P..** (1994) Transmission of electric fields above thunderclouds with ellipsoidal gaussian distributed electric charge. C. R. Acad. Bulg. Sci., 47, 6, 1994, 29-32. JCR-IF (Web of Science):0.32, JCR-IF (Web of Science):0.21
Цитирана е в:
946. P.Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comission G. 1992 - 1995 trienium report. Comssion G Reference File, <http://www.ursi.org/G> (rrsq.ect.ac.uk)
- 162. Tonev P., Velinov P. I. Y..** (1994) Electric fields due to thunderclouds with volume electric charge. C. R. Acad. Bulg. Sci., 47, 4, BAS, 1994, ISSN:1310-1331, 29-32. JCR-IF (Web of Science):0.32, JCR-IF (Web of Science):0.21
Цитирана е в:
947. P.Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comission G. 1992 - 1995 trienium report. Comssion G Reference File, <http://www.ursi.org/G> (rrsq.ect.ac.uk)
- 163. Velinov P. I. Y., Mateev L..** (1994) A Model for the Ionization of Solar Cosmic Rays in the Ionosphere and Middle Atmosphere. C. R. Acad. Bulg. Sci., 47, 12, 1994, 61-64.
Цитирана е в:
948. P.Tonev. Proc. II National Conference "Contemporary Problems of Solar-Terrestrial Influences", 1995, 33-34., @1995
949. P.Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comission G. 1992 - 1995 trienium report. Comssion G Reference File, <http://www.ursi.org/G> (rrsq.ect.ac.uk)
950. P. Tonev, M. Petkova. Proc. VI National Conference "Contemporary Problems of Solar-Terrestrial Influences", 1999, 142-145., @1999
951. P. Tonev. Proc. VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2001, 79-82: (2 citations), @2001
952. P. Tonev. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, стр. 45-48: (2 citations), @2002
953. P. Tonev. Quasi DC Electric Fields above Equatorial Thunderclouds. C.R. Acad. bulg. Sci., 2002, 55, 1, 45 - 50., @2002
954. P. Tonev. Main Features of Quasi-Electrostatic Fields in Atmospheric Regions due to Lightning Discharge. Sun and Geosphere, 2006, 1, 1, 71-75: (2 citations), @2006
955. П. Тонев. Моделиране на разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане степен на магистър. Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007
956. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (2 citations: p. 2, 2)
- 164. Velinov P. I. Y., Tonev P..** (1994) Penetration of multipole thundercloud electric fields into the ionosphere. J. Atmos. Terr. Phys., 56, 3, Elsevier, 1994, ISSN:0021-9169, 343-348.
Цитирана е в:
957. M.J. Rycroft. J. Atmos. Terr. Phys., 1994, 56, 3, 343 - 348: (2 citations), @1994
958. Отчетен доклад за дейността на БАН през 1993 год. (върхово постижение на ЛСЗВ БАН), Изд. БАН, София, 1994, стр. 33, @1994
959. P. Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comission G. 1992 - 1995 trienium report. Comssion G Reference File, <http://www.ursi.org/G> (rrsq.ect.ac.uk)
960. C.J. Rodger, N.R. Thomson, R.L. Dowden. J. Geophys. Res. - Space Phys., 1998, 103, A2, pp. 2163 - 2169: (6 citations), @1998
961. V.V. Plotkin. Geom.Aeronomy, 1999, 39, 2, pp. 126 - 129: (2 citations), @1999
962. V.V. Plotkin. Earth, Planets and Space, 2002, 54, n.4, 415 - 420, @2002
963. Iheonu, E.E., Oyekola, O.S. Vertical drift velocity in the daytime F-region at Ibadan estimated from ionosonde data. 2006 Indian Journal of Radio and Space Physics
964. L. Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. C.R. Acad. bulg. Sci., 2010, 63, 4, 593 - 600,
965. Nymphas E. F., M.O. Adeniyi, E.O. Oladiran (2010) Behavior of multiple lightning dischargers under a tropical thundercloud, Project: Atmospheric Electricity. DOI: 10.1016/j.atmosres.2010.08.004
966. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [9 citations - p. 1, 4, 5, 6, 7, 8, 9, 10]
967. S. Asenovski. Operational Model CORIMIA, Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013, @2013
968. Kabirzadeh, R., Lehtinen, N.G., Inan, U.S., Latitudinal dependence of static mesospheric electric fields above thunderstorms, Geophysical Research Letters, vol. 42, n.10, 2015, 10.1002/2015GL065444, @2015
969. Xubo Yang, Yi Liu, Youzhi Lin (2023) Simulation of Electron Density Disturbance in the Lower Ionosphere Caused by Thundercloud Electrostatic Fields. Journal of Geophysical Research: Space Physics, 128, 10.1029/2022JGRI.001444, @2023 [Линк](#)

- 165. Velinov P. I. Y..** (1995) On the Kinetic Balance of the Daily F- Region in Dependence on Ionospheric Motions. C. R. Acad. Bulg. Sci., 48, 9/10, 1995, 47-50. JCR-IF (Web of Science):0.32, JCR-IF (Web of Science):0.21

Цитира се:

970. P. Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comission G. 1992 - 1995 trienium report. Comssion G Reference File, [http://www.ursi.org/G\(rrsq.ee.uct.ac](http://www.ursi.org/G(rrsq.ee.uct.ac)

166. **Velinov P. I. Y., Tonev P.** (1995) Thundercloud electric field modeling for the ionosphere-Earth region 1. Dependence on cloud charge distribution. Journal of Geophysical Research 8996, 1477-1485. JCR-IF (Web of Science):3.546

Цитира се:

971. P. Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comission G. 1992 - 1995 trienium report. Comssion G Reference File, [http://www.ursi.org/G\(rrsq.ee.uct.ac](http://www.ursi.org/G(rrsq.ee.uct.ac)

972. M.A. Jarzembki, V. Srivastava, J. Atmos. Solar-Terr. Phys., 1997, 59, 3, 271 - 279., @1997

973. Picard, R.H., Inan, U.S., Pasko, V.P., Winick, J.R., Wintersteiner, P.P., Geophys. Res. Lett, 1997, 24, 21, 2635 - 2638, @1997

974. C.J. Rodger, N.R. Thomson, R.L.Dowden. J. Geophys. Res., Space Phys., 1998, 103, A2, pp. 2171-2178: (3 citations), @1998

975. Craig J. Rodger, Neil R. Thomson, Richard L. Dowden, (1998) Are whistler ducts created by thunderstorm electrostatic fields?, Journal of Geophysical Research: Space Physics, 103, A2, (2163-2169), @1998 [Линк](#)

976. V.P.Pasko, U.S.Inan, T.F.Bell. J. Atmos. Solar-Terr. Phys., 1998, 60, 7-9, 863 - 870: (5 citations), @1998

977. McCormick, R.J., Rodger, C.J., Thomson, N.R., Reconsidering the effectiveness of quasi-static thunderstorm electric fields for whistler duct formation, Journal of Geophysical Research, vol.107 (A11), 1396. doi:10.1029/2001JA009219 (2 citations), @2002 [Линк](#)

978. V.A.Rakov and M.A.Uman, Lightning: Physics and Effects, Cambridge University Press, Cambridge, U.K., 2003, 687 pp., ISBN 0-521-58327-6: p. 22, 496, 505 (3 citations), @2003

979. V. Bourscheidt, O.P. Junior (2004) RELATÓRIO FINAL DE PROJETO DE INICIAÇÃO CIENTÍFICA, Santa Maria, Maio de 2004, Processo No 107.622/2003-3, - mto

980. S.S.De, S.K. Adhikari, B.K. Sarkar, A. Guha, P. Das. Electric field modelling for the lower atmosphere due to cloud charge distribution. Proc. XXVIII General Assembly of URSI, <http://www.ursi.org/Proceedings/ProcGA05/pdf>, @2005

981. Singh, D., Singh, M. Effect of western disturbances on LF 164 kHz propagation. 2005 Indian Journal of Radio and Space Physics 34 (5), pp. 328-331: (2 citations), @2005

982. De, S.S., Adhikari, S.K., De, M., Guha, A., De, B.K., Effects of the non-linear heating of the ionosphere due to lightning discharges, Progress in Electromagnetics Research, 559, @2006 [Линк](#)

983. De, S.S., De, B.K., Adhikari, S.K., Sarkar, S.K., Bera, R., Guha, A., Mandal, P.K. A report on some specific features of the atmospheric electric potential gradient in the lower atmosphere, Indian Journal of Radio and Space Physics, 34 (2), pp. 167-172, @2006

984. De, S.S., Adhikari, S.K., De, M., Paul, S., De, B.K. A study on heating of the lower ionosphere during lightning, Indian Journal of Radio and Space Physics, Volume 34 (2), pp. 113, @2008 [Линк](#)

985. De, S.S., Bandyopadhyay, B., Paul, S., Haldar, D.K., Nandi, S., Sanfui, M., Barui, S. and Chattopadhyay, G., 2009, December. AILA-2009 and its Effects on VLF Ionospheric Communication, 2009. CODEC 2009. 4th International Conference on (pp. 1-4). IEEE Conference Publications, pp. 312-315., @2009 [Линк](#)

986. Bandyopadhyay, B. ; Paul, S. ; Haldar, D.K. ; Sanfui, M. ; Das, T.K. ; Barui, S. ; Chattopadhyay, G. ; De, B.K. ; Pal, P. Studies on the effects of AILA-2009 on VLF Ionospheric Communication. This paper appears in: General Assembly and Scientific Symposium, 2011 XXXth URSI Date of Conference: 13-20 Aug. 2011 Author(s): De, S.S. S.K. Mitra Centre for Space Science, Calcutta, Kolkata, India, p. 1-4., @2011

987. De, S.S., Bandyopadhyay, B., Paul, S., De, B.K., Pal, P., Studies on the effects of AILA-2009 on VLF integrated field intensity of atmospherics, 2011, 30th URSI General Assembly and Scientific Symposium, URSI / GASS 2011 6050865, @2011 [Линк](#)

988. S. S. De, Suman Paul, B. K. De, B. Bandyopadhyay, Minu Sanfui, M. Bose, D. K. Sinha, undefined, 2011 XXXth URSI General Assembly and Scientific Symposium, URSI / GASS 2011 6050865, (4), (2011)., @2011 [Линк](#)

989. S.S. De, B. Bandyopadhyay, S. Paul, D.K. Haldar, M. Sanfui, B.K. De, S. Chattopadhyay, A.K. Kundu, S. Barui. AILA-2009: Its Effects on VLF IFIA and Probable Mechanisms, Indian Journal of Radio and Space Physics, 39 (2011) 433-447., @2011

990. Denisenko, V.V., Ampferer, M., Pomozov, E.V., (...), Stangl, G., Biernat, H.K., On electric field penetration from ground into the ionosphere, Journal of Atmospheric and Solar-Terrestrial Physics, 75 (2011) 341-353, @2013 [Линк](#)

991. PAUL, S. STUDIES ON NON-LINEAR HEATING OF THE AURORAL REGION OF THE IONOSPHERE AND SOME PROBLEMS RELATED TO LOWER IONOSPHERIC COMMUNICATION. DEGREE OF DOCTOR OF PHILOSOPHY (SCIENCE) OF JADAVPUR UNIVERSITY, DEPARTMENT OF PHYSICS, KOLKATA 700 032, INDIA, pp. 1-236., @2011

992. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing Hause, Sofia, 2013. (6 citations: p. 1, 5, 6, 7, 23, 25), @2013

993. Suman Paul, Syam Sundar De, D.K. Haldar, G. Guha (2017) Transmission of Electric Fields due to Distributed Cloud Charges in the Atmosphere-Ionosphere System, Indian Journal of Radio and Space Physics, 46 (2017), DOI: 10.1016/j.asr.2017.06.011, @2017

994. V.V. Denisenko, S.A. Nesterov, M.Y. Boudjada, H. Lammer (2018) A mathematical model of quasistationary electric field penetration from ground to the ionosphere, Atmospheric and Solar-Terrestrial Physics, (Available online 20 September 2018), <https://doi.org/10.1016/j.jastp.2018.09.002>, @2018

995. Bojilova R., P. Mukhtarov (2021) Construction of Ionospheric Critical Frequencies Based on the Total Electron Content over Bulgaria, C. R. Acad. Bulg. Sci., 74 (2021) 0.343, @2021 [Линк](#)

996. Xubo Yang, Yi Liu, Youzhi Lin (2023) Simulation of Electron Density Disturbance in the Lower Ionosphere Caused by Thundercloud Electrostatic Fields, Journal of Geophysical Research: Space Physics, 128, 10.3390/atmos14030444, @2023 [Линк](#)

167. **Velinov P. I. Y., Tonev P.** (1995) Modelling the penetration of thundercloud electric fields into the ionosphere. J. Atmos. Terr. Phys., 57, 6, Elsevier, 1995, ISSN:0021-9169, 1995 Jan 01, JATP, 1995., @1995

Цитира се:

997. Energy Citations Database (ECD)-Document #57323. www.osti.gov/energycitations/product.biblio.jsp?osti_id=57323 Velinov, P.I.Y., Tonev, P.T. [Bulgarian Academy of Sciences, 1995 Jan 01, JATP, 1995., @1995

998. M.A. Jarzembski, V. Srivastava. Low-pressure electrical discharge experiment to simulate high-altitude lightning above thunderclouds. NASA-TP-3578, M-792, NASA Center; Huntsville, AL, United States- 1995 - ntrs.nasa.gov, @1995
999. P. Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comission G. 1992 - 1995 trienium report. Comssion G Reference File, [http://www.ursi.org/G\(rrsq.ect.ac](http://www.ursi.org/G(rrsq.ect.ac)
1000. M.A. Jarzembski, V. Srivastava (1996) Low-Pressure Electrical Discharge Experiment to Simulate High-Altitude Lightning Above Thunderclouds, NASA Technical Paper 35812, Center MSFC, Alabama 35812, <https://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19960002997.pdf>, @1996
1001. Jarzembski, M.A., Srivastava, V. , Low pressure experimental simulation of electrical discharges above and inside a cloud, Journal of Atmospheric and Solar-Terrestrial Physics, vol. 60 (7-9), pp. 279, @1997 [Линк](#)
1002. Picard, R.H., Inan, U.S., Pasko, V.P., Winick, J.R., Wintersteiner, P.P., Infrared glow above thunderstorms?, Geophysical Research Letters, vol. 24 (21), pp. 2635-2638, 1997, P.; Winick, J. R.; Wintersteiner, P. P. Infrared glow above thunderstorms? (2 citations), @1997 [Линк](#)
1003. Pasko, V.P., Inan, U.S., Bell, T.F. , Ionospheric effects due to electrostatic thundercloud fields, Journal of Atmospheric and Solar-Terrestrial Physics, vol. 60 (7-9), pp. 279, 1997
1004. Rodger, C.J., N.R. Thomson, R.L. Dowden (1998) Are whistler ducts created by thunderstorm electrostatic fields?, J. Geophys. Res., 103, A2, pp. 2163 - 2169: (4 citations), @1998
1005. Rodger, C.J., Thomson, N.R., Dowden, R.L. (1998) Testing the formulation of Park and Dejnakintra to calculate thunderstorm dc electric fields, Journal of Geophysical Research, 103, A2, 97JA02769, pp. 2171 - 2177: (4 citations), @1998 [Линк](#)
1006. Wintersteiner, Peter P. (1998) Modeling Infrared Glow Above Thunderstorms, Scientific rept. no1., Apr 1996-Mar 1997, Report Date : 23 Dec 1998, ARCON Contract No. DAH03-96-1-0001, <http://www.dtic.mil/dtic/tr/fulltext/u2/a401250.pdf>, @1998
1007. IG Kondratiev, AV Kudrin, TM Zaboronkova. Electrodynamics of Density Ducts in Magnetized Plasmas: The Mathematical Theory of Excitation and Propagation of Density Ducts, Springer, 1999., @1999
1008. Peter Perigrinus, Sprite Bibliography last updated 7/19/2000: <http://www.fma-research.com/spr-bib.html>, @2000
1009. R.J. McCormick, R.J. Rodger, N.R. Thomson. J. Geophys. Res. - Space Phys., 2002, 107, A11, 1396: (2 citations), @2002
1010. Rakov, V.A., M.A. Uman (2003). Lightning Physics and Effects, Cambridge University Press, Cambridge, U.K., 2003, 687 pp., ISBN 0-521-58327-6: Chapter 1, p. 1-10
1011. Rakov, V.A., M.A. Uman (2003). Lightning Physics and Effects, Cambridge University Press, Cambridge, U.K., 2003, 687 pp., ISBN 0-521-58327-6: Chapter 14, p. 14-1
1012. Kar SK; Bhattacharya AB; Liou YA Solar effects on terrestrial radio communication disturbances and associated tropospheric and ionospheric variations INDIAN JOURNAL OF SPACE SCIENCES and TECHNOLOGY of the indian association for the cultivation of science-part B Volume: 78B Issue: 2 Pages: 151-163 Published: APR 2004, @2004
1013. Rycroft Michael J.; Odzimek Anna; Arnold Neil F.; et al. New model simulations of the global atmospheric electric circuit driven by thunderstorms and electrified sprites Journal of Atmospheric and Solar-Terrestrial Physics Volume: 69 Issue: 17-18 Pages: 2485-2509 DOI: 10.1016/j.jastp.2007.09.004 Published: DEC 2007, @2007
1014. V. V. Denisenko, M. Y. Boudjada, M. Horn, E. V. Pomozov, H. K. Biernat, K. Schwingenschuh, H. Lammer, G. Prates, and E. Cristea. Ionospheric conductivity effects on the ionosphere. Nat. Hazards Earth Syst. Sci., 8, 1009–1017, 2008. www.nat-hazards-earth-syst-sci.net/8/1009/2008/ (2 citations), @2008 [Линк](#)
1015. К.А. Боярчук, В.П. Ким, В.В. Хегай, А.В. Карелин. Кумулятивный эффект радиоактивного загрязнения акватории Японского моря, обусловленный многоразовными АЭС, и возможность его ионосферного мониторинга, Вопросы Электромеханики, Т. 129. 2012, 59-65., @2012
1016. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (6 citations: p. 1, 5, 6, 7, 23, 25), @2013
1017. Kabirzadeh, R., Lehtinen, N.G., Inan, U.S., Latitudinal dependence of static mesospheric electric fields above thunderstorms, Geophysical Research Letters, 2015, 42, L06402, doi:10.1002/2015GL064042., @2015 [Линк](#)
1018. N. A. Kilfarska, V. G. Bakhmutov, G. V. Melnyk (2017) Galactic cosmic rays and tropical ozone asymmetries, Compt. rend. Acad. bulg. Sci., 70 (7), 1003-1010., @2017
1019. Suman Paul, Syam Sundar De, D.K. Haldar, G. Guha (2017) Transmission of Electric Fields due to Distributed Cloud Charges in the Atmosphere-Ionosphere System, Journal of Space Weather and Space Climate, 2017, DOI: 10.1016/j.asr.2017.06.011, @2017
1020. Igor G. Kondrat'ev, Alexander V. Kudrin, Tatyana M. Zaboronkova (2019) Electrodynamics of Density Ducts in Magnetized Plasmas: The Mathematical Theory of Excitation and Propagation of Density Ducts, Waves in Plasma Waveguides, Gordon & Breach Publishers, CRC Press, 288 Pages, Amsterdam, The Netherlands, ISBN: 9780367810474, DOI: 10.1201/9780367810474
1021. K. Koh, A. Bennett, S. Ghilain, Z. Liu, S. Pedebay, A. Peverell, M. Füllekrug (2019) Lower Ionospheric Conductivity Modification Above a Thunderstorm Updraught, Journal of Geophysical Research, 2019, 124, 1-12, DOI: 10.1029/2019JA026863, @2019
1022. Xubo Yang, Yi Liu, Youzhi Lin (2023) Simulation of Electron Density Disturbance in the Lower Ionosphere Caused by Thundercloud Electrostatic Fields, Journal of Space Weather and Space Climate, 2023, 17, 1-12, DOI: 10.3390/atmos14030444, @2023 [Линк](#)

168. Velinov P. I. Y., Spassov C., Mateev L.. (1995) Influence of the Solar Proton Event from 29 September 1989 on Ionospheric D-, E-, and F- Regions. C. R. Acad. Bulg. Sci. (Science):0:21

Литература по теме:

1023. P. Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comission G. 1992 - 1995 trienium report. Comssion G Reference File, [http://www.ursi.org/G\(rrsq.ect.ac](http://www.ursi.org/G(rrsq.ect.ac)
1024. Й.К. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за образователна и научна степен "доктор на науките". София, 2004., @2004

1996

169. Tonev P., Velinov P. I. Y.. (1996) A quasi-DC model of electric fields in the ionosphere-ground region due to electrified clouds. J. Atmos. Terr. Phys., 58, 10, Elsevier, 1996 (Web of Science):1:506

Литература по теме:

1025. M. Fujimoto. Electrostatic fields above individual atoms. Progress in Surface Science, Volume 48, Issues 1-4, 1996, Pages 1-9. (2 citations), @1996
 1026. References and Bibliography on Atmospheric Electricity. Gaopeng Lu, at Langmuir Laboratory for Atmospheric Research, <http://infohost.nmt.edu/~gplu/References%20and%20Bibliography.htm>, @2001
 1027. S.S.De, S.K. Adhikari, B.K. Sarkar, A. Guha, P. Das. Electric field modelling for the lower atmosphere due to cloud charge distribution. Proc. XXVIII General Ass <http://www.ursi.org/Proceedings/ProcGA05/pdf>, @2005
 1028. De, S.S., De, B.K., Adhikari, S.K., Sarkar, S.K., Bera, R., Guha, A., Mandal, P.K. A report on some specific features of the atmospheric electric potential gradient in 80 (2), pp. 167-172., @2006 [Линк](#)
 1029. Rycroft, M.J., Odzimek, A., Arnold, N.F., Martin Füllekrug, Kulak, A., Neubert, T. , New model simulations of the global atmospheric electric circuit driven by thunders roles of lightning and sprites, Journal of Atmospheric and Solar-Terrestrial Physics, vol.69 n.17-18, pp. 2485-2509, @2007 [Линк](#)
 1030. De, S. S., Bandyopadhyay, B., Paul, S., Haldar, D. K., Nandi, S., Sanfui, M., Chattopadhyay, G. (2009, December). AILA-2009 and its Effects on VLF sferics. In Cor 2009. CODEC 2009. 4th International Conference on (pp. 1-4). IEEE Conference Publications, pp. 312-315. (2 citations), @2009 [Линк](#)
 1031. S. S. De, B. Bandyopadhyay, S. Paul, D. K. Haldar, G. Chattopadhyay, AILA-2009 and its effects on VLF sferics, <https://www.researchgate.net/publication/25191873>
 1032. S.S. De, B. Bandyopadhyay, S. Paul, D.K. Haldar, M. Sanfui, B.K. De, S. Chattopadhyay, A.K. Kundu, S. Barui. AILA-2009: Its Effects on VLF IFIA and Probable (2011) 433-447., @2011
 1033. De, S. S., Bandyopadhyay, B., Paul, S., Haldar, D. K., Barui, S., De, M., Sanfui, M. Modeling of the lower atmospheric electric field due to thundercloud. 978-1-4244-5
 1034. De, S.S., Paul, S., Barui, S., Pal, P., Bandyopadhyay, B. , Kala, D., Ghosh, A. Studies on the seasonal variation of atmospheric electricity parameters at a trop Atmospheric and Solar-Terrestrial Physics Volume 105-106, December 2013, Pages 135-141, @2013
 1035. PAUL, S. (2013) STUDIES ON NON-LINEAR HEATING OF THE AURORAL REGION OF THE IONOSPHERE AND SOME PROBLEMS RELATED TO LOWER ION SUBMITTED FOR THE DEGREE OF DOCTOR OF PHILOSOPHY (SCIENCE) OF JADAVPUR UNIVERSITY, DEPARTMENT OF PHYSICS, KOLKATA 700 032, IN
 1036. S S De, B Bandyopadhyay, Suman Paul, D K Haldar, S K Mitra (2014) Modeling of the lower atmospheric electric field due to <https://www.researchgate.net/publication/267708814> , <http://www.ursi.org/proceedings/procGA11/ursi/BP2-30.pdf> , <https://sumanpaul.vpweb.in/BP2-30.pdf>, @2014
 1037. De, S.S., Paul, S., Barui, S., Haldar, D.K., Guha, G., Earth's atmospheric electricity parameter response during Venus transit, Terrestrial, Atmospheric and Ocean 143., @2015 [Линк](#)
 1038. Paul, S., De, S. S., Haldar, D. K., Guha, G. (2017) Transmission of electric fields due to distributed cloud charges in the atmosphere-ionosphere system. Adv 1897., @2017
 1039. N. Ahmad, S. F. Gurmani, R..M. Qureshi, T. Iqbal (2019) Preliminary results of fair-weather atmospheric electric field in the proximity of Main Boundary Thrust, Northern Elsevier, Volume 63, Issue 2, 15 January 2019, Pages 927-936, <https://doi.org/10.1016/j.asr.2018.09.022>, @2019
-
170. Velinov P. I. Y.. (1996) On the Relaxation Time of the Ionospheric F (F2) Layer. C. R. Acad. Bulg. Sci., 49, 5, 1996, 43-46. JCR-IF (Web of Science):0.21
[Цитира се в:](#)
1040. Borislav Andonov (2017) VERTICAL TOTAL ELECTRON CONTENT AND RECEIVER BIAS CALCULATIONS FOR BALKAN PENINSULA GNSS STATIONS, Com 1728., @2017
1041. B. Andonov, Pl. Mukhtarov (2018) A new method for mapping of vertical total electron content over Balkan peninsula, Compt. rend. Acad. bulg. Sci., 71 (3), 391-397
 171. Velinov P. I. Y.. (1996) Modeling Diurnal Behaviour of the Main Ionospheric Peak at Middle Latitudes. Proceedings XXVth General Assembly of URSI (International Union 28-September 5, 1996, P. G3. P3, 1996
[Цитира се в:](#)
1042. P. Tonev. Proc. VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2001, 79-82: (2 citations), @2001
 172. Velinov P. I. Y., Mateev L., Spassov C.. (1996) An Improved Model for the Influence of Cosmic Rays and High Energy Particles on the Ionosphere and Middle Atmosphere. IF:1.409
[Цитира се в:](#)
1043. P. Wilkinson (Vice Chairman of URSI). Bulletin of URSI - Comiision G. 1992 - 1995 trienium report. Comssion G Reference File, [http://www.ursi.org/G \(rrsq. ee. uct. ac](http://www.ursi.org/G (rrsq. ee. uct. ac)
1044. Й.К. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за присъждане обра ЦЛСЗВ БАН, София, 2004., @2004
1045. A Mishev. Neutron and muon flux measurements at BEO Moussala towards to space weather research - arXiv preprint physics/0612079, 2006 - arxiv.org (Submitted
1046. Mishev, A., Anguelov, I., Stamenov, J. Simulations and measurements of atmospheric Cherenkov light, neutron and muon cosmic ray flux at Basic Environmental C studies, 2007 Journal of Instrumentation 2, art. no. 15., @2007
1047. П. Тонев. Моделиране разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за образователна и София, 2007., @2007
1048. A.L. Mishev, J.N. Stamenov. Present status and further possibilities for space weather studies at BEO Moussala. Journal of Atmospheric and Solar-T www.elsevier.com/locate/jastp, @2008
1049. Alexander Mishev (on behalf of BEO Moussala) (2008) Neutron and Muon Flux Measurements at BEO Moussala towards to Space Weather Research. <http://arxiv>. (2 citations), @2008
1050. P. Tonev. Electric Breakdown Occurrence in Atmosphere above Lightning - Impact of Conductivity and Discharge Parameters. C.R. Acad. bulg. Sci., 2008, 61, 3, 37

1051. Firoz, K.A. et al. On the possible mechanisms of two ground-level enhancement events. ASTROPHYSICAL JOURNAL Vol.: 743 Iss.: 2 Article Number: 190 DOI: 10.1086/18120 20 2011, @2011
1052. Obermeier A., Ave M., Boyle P. et al. Energy spectra of primary and secondary cosmic-ray nuclei measured with tracer Astrophysical J, Vol.: 742 Iss.: 1 Article Number: 100 DOI: 10.1086/18120 Publ.: NOV 20 2011, @2011
1053. Key Points et al., Evidence for superthermal secondary electrons produced by SEP ionization in the Martian atmosphere. Journal of Geophysical Research, Vol. 117, doi:10.1029/2011JE003932, @2012
1054. Lillis Robert J. ; Brain David A. ; Delory Gregory T. ; et al. Evidence for superthermal secondary electrons produced by SEP ionization in the Martian atmosphere. Journal of Geophysical Research, Volume: 117 Article Number: E03004 DOI: 10.1029/2011JE003932 Published: MAR 8 2012, @2012
1055. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (3 citations - p. 2), @2013
1056. Lillis, R. J., Lee, C. O., Larson, D., Luhmann, J. G., Halekas, J. S., Connerney, J. E., Jakosky, B. M. (2016). Shadowing and anisotropy of solar energetic ions at Mars during the 2015 solar storm. Journal of Geophysical Research: Space Physics, 121(4), 2818-2829., @2016
1057. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. Acad. Bulg. Sci., 139, 1-10, @2017
173. Velinov P. I. Y., Mateev L.. (1996) A Presentation of the Tensor of Electrical Conductivity in the Ionosphere and Middle Atmosphere. C. R. Acad. Bulg. Sci., 49, 2, 1996, 29-32. [Lumupa ce 6:](#)
1058. P. Tonev. Compt. rend. Acad. bulg. Sci., 2002, 55, 1, 45-50. (2 citations), @2002
1059. P. Tonev. Quasi-electrostatic Fields in the Middle Atmosphere Due to Lightning – Dependence on Discharge Parameters. Solar - Terrestrial Influences, Proceedings of the 10th International Conference, Dedicated to the Year of Physics 2005, Sofia, 23 - 25 November 2005, Edited by S. Panchev, CSTIL BAS, Publishing House of Bulgarian Academy of Sciences, 2005, 105-108, @2005
1060. П. Тонев. Моделиране разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертац. труд за степен "доктор" по Физика на Земята и Космоса, ЦЛСЗВ БАН, София, 2007., @2007
1061. P. Nenovski. Electric Conductivities in the Ionosphere-Thermosphere beyond Transients. C.R. Acad. bulg. Sci., 67, 2014, 1, 87., @2014
174. Mateev L., Velinov P. I. Y., Zellhuber U.. (1996) Effects of Solar Proton Events on Electrical Conductivities in the Ionosphere. C. R. Acad. Bulg. Sci., 49, 3, 1996, 45-48. [Lumupa ce 6:](#)
1062. П. Тонев. Моделиране разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане образователна научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007
1063. P. Nenovski. Electric Conductivities in the Ionosphere-Thermosphere beyond Transients. C.R. Acad. bulg. Sci., 67, 2014, 1, 87., @2014
175. Mateev L., Zellhuber U., Velinov P. I. Y.. (1996) An Equivalent Electric Circuit Model by Lightning Discharge in the Thunderclouds. C. R. Acad. Bulg. Sci., 49, 4, 1996, 29-32. [Lumupa ce 6:](#)
1064. П. Тонев. Моделиране разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане образователна научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007
176. Mateev L., Velinov P. I. Y., Zellhuber U.. (1996) Influence of Solar Proton Events on Electrical Conductivities in the Ionosphere. Proceedings III National Conference „Cosmic Ray Influences“, 27 - 28 June, CSTIL BAS, Sofia, 1996, 42-45 [Lumupa ce 6:](#)
1065. П. Тонев. Моделиране разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане образователна научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007
1066. P. Nenovski. Electric Conductivities in the Ionosphere-Thermosphere beyond Transients. C.R. Acad. bulg. Sci., 67, 2014, 1, 87., @2014

1997

177. Tassev Y., Yanev T., Velinov P. I. Y., Mateev L.. (1997) Ozone Variations in the Middle Atmosphere Due to Solar Proton Event from 19 October 1989.. C. R. Acad. Bulg. Sci. (Earth and Planetary Science):0.21 [Lumupa ce 6:](#)
1067. Kilifarska N. (2019) Latitudinal dependence of the stratospheric ozone and temperature response to solar particles' forcing on 20 January 2005, Aerospace Res. Bull., 10, 1-10, @2019
1068. Velichkova Ts., Kilifarska N. (2019) Lower stratospheric ozone's influence on the NAO climatic mode, C. R. Acad. Bulg. Sci., 72(2), 219-225. DOI:10.7546/CRABS.2019.72.2.219-225, @2019
1069. Velichkova-Tasheva T. P. (2020) Global and Regional Climate Variability - Driving Factors, AUTOREFERAT of PhD Thesis, NIGGG - BAS, Department of Geophysics, NIGGG Publishers, 32 p., @2020 [Линк](#)
1070. Velichkova-Tasheva T. P. (2020) Influencing Factors for Global and Regional Climate Variability, PhD Thesis, National Institute of Geophysics, Geodesy and Geography, NIGGG Publishers, 135 p., @2020
178. Velinov P. I. Y., Ruder H., Zellhuber U., Mateev L.. (1997) A Model for 11-Year Cosmic Ray Variations in the Lower Ionosphere.. C. R. Acad. Bulg. Sci., 50 (3), 1997, 39-42.

Цитирана се е:

1071. M. Buchvarova. Compt. rend. Acad. bulg. Sci., 2001, 54, 3, 43 - 46: (2 citations), @2001

1072. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане на степен "доктор" по научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007

1073. M.B. Buchvarova. Cosmic Ray Spectra Approximation Model for Protons and Alpha Particles in the Heliosphere. C.R. Acad. bulg. Sci., 2009, 62, 11, 1439 - 1448.,

179. **Velinov P. I. Y.**, Dimitrov B.. (1997) An Ionospheric Application of the Kinetic Boltzmann Equation with Account of Ionization - Neutralization and Transfer Processes. C. R. Acad. Bulg. Sci., 50 (3), 1997, 27-30. JCR-IF (Web of Science):0.21

Цитирана се е:

1074. Y.K.Tassev et al., J. Univ. Appl. Sci. Mittweida, 1999, N 3, 111 - 117., @1999

180. Dimitrov B., **Velinov P. I. Y.** (1997) First Order Perturbation Approximation of Modified Kinetic Equation for Ionospheric Plasma. C. R. Acad. Bulg. Sci., 50 (3), 1997, 27-30.

Цитирана се е:

1075. M. Buchvarova. Proc. VII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2000, 121 - 124., @2000

1998

181. **Velinov P. I. Y.** (1998) Cosmic Ray Trigger Effect in the Galactic-Solar-Terrestrial Physics (GSTP) and Biophysics (GSTB). Proceedings V National Conference with International Problems of Solar-Terrestrial Influences", 12-13 November, Sofia, ISF-5, CSTIL BAS, 1998, 87-88

Цитирана се е:

1076. Goderdzi Didebulidze, Maya Todua, Giorgi Javakhishvili (2010) Cosmic factors in the inter-annual and long-term variations of cloudless days and nights over Abastumani. Sporadic E under influence of atmospheric waves, URL https://www.researchgate.net/publication/253350452_Cosmic_factors_in_the_inter-annual_and_long-term_variations_of_cloudless_days_and_nights_over_Abastumani_4175_N_4282_E, @2010

182. **Velinov P. I. Y.**, Spassov C., **Mateev L.** (1998) Ionospheric Effects of Thunderstorm on 14 February 1997 over Bulgaria. C. R. Acad. Bulg. Sci., 51, 5/6, 1998, 337-36. JCR-IF (Web of Science):0.21

Цитирана се е:

1077. П. Тонев. Моделиране разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане на степен "доктор" по научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007

1999

183. **Tassev Y.K.**, Yanev T., **Velinov P. I. Y.**, **Mateev L.N.** (1999) Variations in the Ozone Profiles During the Solar Proton Events from October 19-31, 1989.. Adv. Space Res., 27, 12, 1993 - 2002., @2001

Цитирана се е:

1078. A.A. Krivolutsky. Cosmic ray influence on chemical composition of the atmosphere of the earth. Adv. Space Res., 2001, 27, 12, 1993 - 2002., @2001

1079. M. Buchvarova. Compt. rend. Acad. bulg. Sci., 2002, 55, 7, 27 - 30: (2 citations), @2002

1080. Damaris Kirsch Pinheiro. INPE-10017-TDI/881 ESTUDO DO COMPORTAMENTO DO DIÓXIDO DE NITROGÊNIO ATMOSFÉRICO COM BASE NOS DADOS DO MONITORAMENTO DO DIÓXIDO DE NITROGÊNIO ATMOSFÉRICO BASEADO EM DADOS DO MONITORAMENTO DO DIÓXIDO DE NITROGÊNIO ATMOSFÉRICO (STUDY OF THE ATMOSPHERIC NITROGEN DIOXIDE BASED IN DATA FROM BREWER SPECTROPHOTOMETER) Tese de Doutorado em Geofísica Espacial, Universidade de São Carlos, São Carlos, 2003, 371 pages., @2003

1081. L. Desorgher, E. O. Flückiger, M. Gurtner (2005) The Planetocosmics Geant4 application, University Hospital of Lausanne, Institute of radiation physics, Lausanne, Switzerland, 2005, 10 pages., @2005

1082. Desorgher, E. Flückiger, M. Gurtner (2006) The Planetocosmics Geant4 application, URL https://www.researchgate.net/publication/241603312_The_Planetocosmics_Geant4_application/references, @2006

1083. E. S. Kazimirovsky, V. D. Kokourov, G. V. Vergasova. Dynamical Climatology of the Upper Mesosphere, Lower Thermosphere and Ionosphere. Surveys in Geophysics, 2006, 27, 1, 1-10. Factor, @2006

1084. К. Георгиева. Динамика на Слънцето и влиянието й върху слънчево-земните въздействия. Дисертационен труд за присъждане образователната и научна степен "доктор" по Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2006. (2 citations), @2006

1085. Usoskin, I., et al. (2008) Solar and galactic cosmic rays in the Earth's atmosphere, in "COST 724 final report: Developing the scientific basis for monitoring, modelling and predicting cosmic ray effects on the Earth's atmosphere", Liliensten, A. Belehaki, M. Messerotti, R. Vainio, J. Watermann, S. Poedts), COST Office, Luxemburg, 2008 (ISBN 978-92-898-0044-0), pp. 124-132., @2008

1086. Климатични промени. Състояние на проблема, научни изследвания в БАН и България (под редакцията на ст.н.с., дфн В.Александров), София 18.09.2008, БАН., @2008

1087. Usoskin I. et al. (2009) Ionization of the Earth's Atmosphere by Solar and Galactic Cosmic Rays. Acta Geophysica, 57, 1/March, 88-101., @2009

1088. Kilifarska N. (2019) Latitudinal dependence of the stratospheric ozone and temperature response to solar particles' forcing on 20 January 2005, Aerospace Res. Bull., 100, 100001., @2019

184. **Tassev Y.K.**, Ruder H., **Mateev L.N.**, Tomova D., **Velinov P. I. Y.**. (1999) Effect of Solar Cosmic Rays on HCI Distribution from HALOE UARS Data. Report on 4-th International and Ecological Technology SATERRA, 10-13 November 1999, Mittweida.. J. Univ. Appl. Sci. Mittweida, 3, 1999, 103-108
Цитирана се в:
1089. Климатични промени. Състояние на проблема, научни изследвания в БАН и България (под редакцията на ст.н.с., дфн В.Александров), София 18.09.2008, промени", БАН., @2008
185. **Velinov P. I. Y.**, **Tassev Y.K.**, **Mateev L.N.**. (1999) Variations of Stratospheric HF During Solar Proton Events According Data of Upper Atmosphere Research Satellite (ISEE-3). J. Geophys. Res., 104, 1999, 109-110
Цитирана се в:
1090. Климатични промени. Състояние на проблема, научни изследвания в БАН и България (под редакцията на ст.н.с., дфн В.Александров), София 18.09.2008, промени", БАН., @2008
186. **Velinov P. I. Y.**, Spassov C., **Mateev L.**. (1999) SSC Effects in Ionosphere During 10-11 January 1997 Due to Coronal Mass Ejection (CME) on the Sun. C. R. Acad. Bulg. Sci. (Web of Science):0.21
Цитирана се в:
1091. Bojilova R., P. Mukhtarov (2020) Relationship Between Short-term Variations of Solar Activity and Critical Frequencies of the Ionosphere Represented by FoF2 and MUF(3000)F2. J. Geophys. Res., 125, 2020, 1416-1424., @2020

2000

187. Petkova M., **Velinov P. I. Y.**, **Mateev L.**, Ruder H., Zellhuber U.. (2000) A model for cosmic ray (CR) spectrum during CR influence on the planetary ionospheres. Report C. R. Acad. Bulg. Sci. (Web of Science):0.21, Assembly, Warsaw, Poland, 16-23 July, Proc. Sci. Assembly, Pr. Book-p. 105, Abstr. Book-p. 150, 2000, 1-12
Цитирана се в:
1092. Institut fuer Astronomie und Astrophysik. Abteilungen Theoretische Astrophysik and Computational Physics, Auf der Morgenstelle 10, 72076 Tübingen, <http://www.tat.tuebingen.de/publikationen.html>, Petkova M.B., Velinov P.I.Y., Mateev L., Ruder H., Zellhuber A.: A model for cosmic ray (CR) spectrum during CR influence on the planetary ionosphere. 33rd COSPAR Scientific Assembly, Warsaw, Poland, 1-6 (2000), @2000
188. Mishev D., **Velinov P. I. Y.**, **Mateev L.**, Spassov C.. (2000) First Results for Solar Proton Event (20 April 1998) Effects on Extraterrestrial Environment. C. R. Acad. Bulg. Sci. (Web of Science):0.21
Цитирана се в:
1093. M. Buchvarova. Proc. VII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2000, 121-124., @2000
1094. M. Buchvarova. Proc. VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2001, 23-26., @2001
1095. M. Buchvarova. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, 29-32., @2002
189. Lukov S., **Velinov P. I. Y.**, Ruder H., **Mateev L.**. (2000) A Possible Mechanism for Quasi-periodic Oscillations of Electron Density in Planetary Ionospheres. C. R. Acad. Bulg. Sci. (Web of Science):0.21
Цитирана се в:
1096. Harvard-Smithsonian Center for Astrophysics. The SAO/NASA Astrophysics Data System, Digital Library for Physics and Astronomy / adsabs.harvard.edu/abs/2000CRA...53..105L.. et al., Comptes Rendus de l'Academie Bulgare des Sciences, vol. 53, @2001
190. **Velinov P. I. Y.**. (2000) Cosmic Ray Trigger Effect in the Galactic-Solar-Terrestrial Physics (GSTP). C. R. Acad. Bulg. Sci., 53, 2, 2000, 37-40. JCR-IF (Web of Science):0.21
Цитирана се в:
1097. К. Георгиева. Динамика на Слънцето и влиянието ѝ върху слънчево-земните въздействия. Автореферат на дисертационен труд за присъждане образователна научната специалност - Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2006., @2006
1098. Gopalswamy, N., & Webb, D. F. (2009). Universal Heliophysical Processes. Proceedings IAU Symposium No. 257, 2008; 2009 International Astronomical Union doi:10.1007/978-1-4020-8861-9_10
1099. Goderdzi Didebulidze, Maya Todua, Giorgi Javakhishvili (2010) Cosmic factors in the inter-annual and long-term variations of cloudless days and nights over Abastumani. J. Geophys. Res., 115, 2010, 4175-4182, E under influence of atmospheric waves, URL https://www.researchgate.net/publication/253350452_Cosmic_factors_in_the_inter-annual_and_long-term_variations_of_cloudless_days_and_nights_over_Abastumani_4175_N_4282_E, @2010
1100. L.N. Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. C.R. Acad. bulg. Sci., 2010, 63, 4, 593 - 600
1101. M.B. Buchvarova. Integral Primary Cosmic Ray Spectra in the Planetary Atmospheres in Extreme Phases of the Solar Cycle. C.R. Acad. bulg. Sci., 2010, 63, 11, 41-46
1102. Natalya Kilfarska, Nonlinear Re-assessment of the Long-term Ozone Variability during 20th Century, Comptes rendus de l'Academie bulgare des Sciences, Vol 64, 2010, 1-10
1103. Didebulidze, G. G., & Todua, M. (2016). The inter-annual distribution of cloudless days and nights in Abastumani: Coupling with cosmic factors and climate change. J. Geophys. Res., 121, 48-55., @2016

191. **Velinov P. I. Y.**. (2000) Development of Models for GCR Ionization in Planetary Ionospheres and Atmospheres in Relation to the General Interaction Model. C. R. Acad. Bulg. Sci. (Sci. of Science):0.21
Цитирана се в:
1104. M. Buchvarova. Compt. rend. Acad. bulg. Sci., 2001, 54, 3, 43 - 46. (2 citations), @2001
1105. M. Buchvarova. Proc. VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2001, 23-26., @2001
1106. M. Buchvarova. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, 29-32. S E S ' 2005 [PDF-237K], Sep 2005, 48 References, Models for...Bulg. Sci., 53, No. 4, 31, 2000; [http://www.space.bas.bg/astro/ses2005/a6.pdf] more hits from [http://www.space.bas.bg], @2005
1107. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане на "доктор" по научната специалност - Физика на околоземното пространство. ЦЛСЗВ БАН, София. (3 citations), @2007
1108. M.B. Buchvarova. Cosmic Ray Spectra Approximation Model for Protons and Alpha Particles in the Heliosphere. C.R. Acad. bulg. Sci., 2009, 62, 11, 1439 - 1448. (2 citations), @2009
1109. M.B. Buchvarova. Integral Primary Cosmic Ray Spectra in the Planetary Atmospheres in Extreme Phases of the Solar Cycle. C.R. Acad. bulg. Sci., 2010, 63, 11, 4111 - 4116. (2 citations), @2010
1110. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (2 citations - p. 2, 3), @2013
1111. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. Acad. Bulg. Sci., 2017, 70, 1, 1-10. (1 citation), @2017
192. **Velinov P. I. Y.**. (2000) On the Energetic Particle Types in Extraterrestrial and Interplanetary Space Influencing Planetary Ionospheres and Atmospheres. C. R. Acad. Bulg. Sci., 53, 8, 2000, 37-40
Цитирана се в:
1112. M. Buchvarova. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, 29-32., @2002
1113. M.B. Buchvarova. Cosmic Ray Spectra Approximation Model for Protons and Alpha Particles in the Heliosphere. C.R. Acad. bulg. Sci., 2009, 62, 11, 1439 - 1448. (2 citations), @2009
1114. M.B. Buchvarova. Integral Primary Cosmic Ray Spectra in the Planetary Atmospheres in Extreme Phases of the Solar Cycle. C.R. Acad. bulg. Sci., 2010, 63, 11, 4111 - 4116. (2 citations), @2010
193. **Velinov P. I. Y.**. (2000) Modelling Particle Ionization of CR Intervals III, IV and V in the Planetary Ionospheres and Atmospheres. C. R. Acad. Bulg. Sci., 53, 12, 2000, 37-40
Цитирана се в:
1115. M. Buchvarova. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, 29-32., @2002
1116. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане на "доктор" по научната специалност Физика на околоземното пространство. ЦЛСЗВ БАН, София. (2 citations), @2007
1117. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (2 citations - p. 2, 3), @2013
194. Spassov C., **Velinov P. I. Y.**. (2000) Structural and Ionization Variations in Ionospheric C-, D- and E- Layers During Solar Eclipse 1999. Proceedings VII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 23-24 November, Sofia, CSTIL BAS, SSA-5, 2000, 103-106
Цитирана се в:
1118. И. Стоилова. Да се боим ли от слънчевото затъмнение? Списание на БАН, 2005, CXVIII, 1, 32-35., @2005

2001

195. **Velinov P. I. Y., Buchvarova M., Mateev L., Ruder H.**. (2001) Determination of Electron Production Rates Caused by Cosmic Ray Particles in Ionospheres of Terrestrial Planets. J. Geophys. Res., 106, 1901-1908. ISI IF:1.409
Цитирана се в:
1119. Cravens, T.E. / Nagy, A.F., Advances in Space Research, 27 (11), p.1787-1787, Jan 2001 S0273-1177(01)00261-7 Adv. Space Res. Vol. 27, No. 11, p. 1787, 1788. (2 citations), @2001
1120. Institut fuer Astronomie und Astrophysik. Abteilungen Theoretische Astrophysik and Computational Physics, Auf der Morgenstelle 10, 72076 Tübingen, http://www.tat.tuebingen.de/publikationen.html: Velinov, P.I.Y., et al.: Adv. Space Res., 27, (2001), 1901. (3 citations), @2001
1121. Mitteilungen der Astronomischen Gesellschaft No 84, Nachrufe Jahresberichte Astronomischer Institute fuer 2000, Hamburg 2001, Seite 769., @2001
1122. Mitteilungen der Astronomischen Gesellschaft No 85, Nachrufe Jahresberichte Astronomischer Institute fuer 2001, Hamburg 2002, Seite 791, 800: (2 citations), @2002
1123. Й.К. Тасев. Автореферат на дисертационен труд за присъждане образователната и научна степен "доктор" ЦЛСЗВ БАН, София, 2004: 22., @2004
1124. Й.К. Тасев. Изследване профилите на стратосферния озон при различни геофизични и хелиофизични условия. Дисертационен труд за присъждане образователната и научна степен "доктор" ЦЛСЗВ БАН, София, 2004: p. 134, 152 (2 citations), @2004
1125. L. Desorgher, E. O. Flückiger, M. Gurtner (2005) The Planetocosmics Geant4 application, University Hospital of Lausanne, Institute of radiation physics, Lausanne, Switzerland, @2005
1126. SRef: Author. http://www.sref.org/site/?op = author&id = 39877 J. Geophysical Research Abstracts, Vol. 7, 9-2-2005 1607-7962/gra/EGU05-A-07316, @2005
1127. Desorgher, E. Flückiger, M. Gurtner (2006) The Planetocosmics Geant4 application https://www.researchgate.net/publication/241603312_The_Planetocosmics_Geant4_application/references, @2006

1128. Scherer, K., Fichtner, H., Borrmann, T., Beer, J., Desorgher, L., Fluekiger, E., Fahr, H.-J., (...), Veizer, J., Interstellar-terrestrial relations: Variable cosmic environmental imprints on terrestrial archives and climate. 2006 Space Science Reviews 127 (1-4), pp. 327-465., @2006
 1129. Y. Tassev. Statistical Analysis of the Ozone, Temperature and Pressure Reactions During and After the Solar Proton Event on 20 January 2005. Report P4.01 on 1 Week ESWW4, European Space Agency, ESA Conference Bureau, The EC COST Office, The Royal Library of Belgium, Brussels, 5 - 9 November 2007, Final Abstr.
 1130. П. Тонев. Моделиране на разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане образцова научната специалност Физика на околоземното пространство, 2007, ЦЛСЗВ БАН., @2007
 1131. G.I. Vasilyev, V.M. Ostryakov, A.K. Pavlov. Influence of energetic particles on atmospheric ionization. Journal of Atmospheric and Solar-Terrestrial Physics, Volume 68, 2000-2004. (3 citations), @2008
 1132. Jean Lilensten, A. Belehaki, M. Messerotti, R. Vainio, Stefaan Poedts (2008) COST 724 final report: Developing the scientific basis for monitoring, modelling and prediction of space weather, Office, Editor: Jean Lilensten, Anna Belehaki, Mauro Messerotti, Rami Vainio, Jurgen Watermann, Stefaan Poedts, ISBN: 978-92-898-0044-0, @2008
 1133. L.I. Dorman. Cosmic Rays in the Earth's Atmosphere and Underground, Springer, Dordrecht, The Netherlands, 2008., @2008
 1134. P.T. Tonev. Electric Breakdown Occurrence in Atmosphere above Lightning - Impact of Conductivity and Discharge Parameters. C.R. Acad. bulg. Sci., 2008, 61, 3, 325-330, @2008
 1135. Y.K. Tassev. Relationships between Low Energy Proton Flux and Ozone, Temperature and Pressure during and after the Solar Proton Event from 20 January 2005. C.R. Acad. bulg. Sci., 2008, 61, 3, 252., @2008
 1136. AWP Thomson, SJ Reay, E Dawson, 2009. Estimating the Extremes in European Geomagnetic Activity. Rep. P5.1 on Sixth European Space Weather Week (16-18 June 2009), sidc.oma.be, @2009
 1137. de Witt T. D., J. Watermann (2009) Solar forcing of the terrestrial atmosphere, arXiv:0905.1812v1 [physics-space-ph] 12 May 2009, <https://arxiv.org/pdf/0905.1812.pdf>
 1138. Dudok de Wit, T., Watermann, J. (2010) Solar forcing of the terrestrial atmosphere, Comptes Rendus - Geoscience, 342(4-5), pp. 259-272., @2010
 1139. Tonev P. (2011) Electric response of high latitudinal middle atmosphere to solar wind characteristics studied by model simulations. SES 2011, Seventh Scientific Conference on SPACE, ECOLOGY, SAFETY, 29 November – 1 December 2011, BAS Publishing, Sofia, pp. 49-54. (3 citations), @2011
 1140. Tonev P. 2012, Estimation of Currents in Global Atmospheric Electric Circuit with Account of Transpolar Ionospheric Potential. C.R. Acad. bulg. Sci., 65, 11. (3 citations), @2012
 1141. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (2 citations: p. 29, 33), @2013
 1142. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (3 citations - p. 32, 33, 34), @2013
 1143. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4861-0804038-46, @2016
 1144. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, Middle-East Journal of Scientific Research, 18(10): 1801-1806, DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
 1145. Umahi, A. E. (2016) Variability of Galactic Cosmic rays Flux and Solar Activities in the Earth's Atmospheric Environment, American-Eurasian J. Agric. & Environ. Sci., 18(10): 1801-1806, DOI:10.5829/idosi.aejas.2016.16.5.10441., @2016
 1146. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, C. R. Acad. Bulg. Sci., 65, 11. (3 citations), @2022
 1147. Mauro Satta, Mattea Carmen Castrovilli, Francesca Nicolanti (2022) Perspectives of Gas Phase Ion Chemistry: Spectroscopy and Modeling, Condensed Matter Physics, 19(1): 1-10, LicenseCC BY 4.0, @2022 [Линк](#)
 1148. Nedislav Svetoslavov Veselinov (2022) Flights of aircrafts in the atmospheres on the planets of the Solar system and communication with them, PhD Thesis, Sofia, Department of Physics, Department of Radiophysics and Physical Electronics, 118 p., @2022
196. Velinov P. I. Y., Ruder H., Zellhuber U., Mateev L.. (2001) Modelling the Galactic Cosmic Ray Spectrum on Account of Anomalous Cosmic Ray Component within Earth Environment. JCR-IF (Web of Science):0.21
- Цитира се в:
1149. M. Buchvarova. C.R. Acad. bulg. Sci., 55, 7, 27 - 30: (2 citations), @2002
 1150. М. Бъчварова. Моделиране на спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане образцова научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007
 1151. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (2 citations: p. 3, 33), @2013
 1152. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (3 citations - p. 2, 3, 4), @2013
197. Velinov P. I. Y., Mateev L.N., Spassov C.. (2001) Bifurcation of the Main Ionospheric Maximum During Different Levels of Solar Activity.. Proceedings of VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 6-7 December, Sofia, CSTIL BAS, 2001, 43-46
- Цитира се в:
1153. P. Tonev. Proc. VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2001, 79-82, @2001
198. Spassov C., Velinov P. I. Y., Mateev L.N.. (2001) Variations of F1 Layer During Solar Maximum and Minimum According Data in Ionospheric Observatory Sofia. Proceedings of VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 6-7 December, Sofia, CSTIL BAS, 2001, 47-50
- Цитира се в:
1154. M. Buchvarova. Proc. VIII National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2001, 23-26., @2001
 1155. M. Buchvarova. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, 29-32., @2002

199. **Velinov P. I. Y..** (2001) Determination Cosmic Ray (CR) Ionization Path and Iono/Atmospheric Cut-off Energy in the CR Intervals III, IV and V in Planetary Environments. C. R. Acad. Bulg. Sci., 54, 8, 2001, 29-34. JCR-IF (Web of Science):0.21
Цитирана се в:
1156. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане на доктор по научната специалност Физика на околоземното пространство. ЦЛСЗВ БАН, София, 2007., @2007
200. **Velinov P. I. Y., Kostov V..** (2001) Generalization on Chapman Function for the Atmosphere of an Oblate Rotating Planet. C. R. Acad. Bulg. Sci., 54, 8, 2001, 29-34. JCR-IF (Web of Science):0.21
Цитирана се в:
1157. L. Mateev et al. Proc. VIII National Conf. "Contemporary Problems of Solar-Terr. Influences", 2001, 27-30., @2001
201. **Velinov P. I. Y..** (2001) Formula for Primary Cosmic Ray Spectrum with Improved Smoothing Function Tangens Hyperbolicus. Proceedings of VIII National Conference with Problems of Solar-Terrestrial Influences", 6-7 December, Sofia, CSTIL BAS, 2001, 43-46
Цитирана се в:
1158. М. Buchvarova. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, 29-32., @2002
1159. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане на доктор по научната специалност Физика на околоземното пространство. ЦЛСЗВ БАН, София, 2007., @2007
202. Kostov V., **Velinov P. I. Y..** (2001) Sunrise and sunset effects on solar heating in the Jovian thermosphere and ionosphere. Adv. Space Res., 27, 11, 2001, 1889-1893. ISI IF:1.409
Цитирана се в:
1160. HAARP Bibliography 1990-2005: <http://www.gi.alaska.edu/services/library/haarpbibliography.html>, @2005
1161. Wilkinson P., HAARP Bibliography 2005-2007. The HAARP Bibliography as an electronic database can be searched at this URL: <http://137.229.30.81/rmwp?&func=library> (Library Geophysical Institute) www.gi.alaska.edu/PARS/HAARP.pdf., @2007
1162. Peng, Z., Cailliez, F., Dobrijevic, M., Pernot, P. (2012) Null Variance Altitudes for the photolysis rate constants of species with barometric distribution: Illustration on Titan. J. Geophys. Res., 117, 218 (2), pp. 950-955. <https://doi.org/10.1016/j.icarus.2012.02.006>, @2012
1163. Zhe PENG. Experimental and theoretical simulations of Titan's VUV photochemistry. PhD THESIS, Université Paris-Sud Ecole Doctorale De Chimie Paris-Sud, Sorbonne Université, Chimie Physique. Thèse de Doctorat soutenue le 23/09/2013 par Zhe PENG., @2013
1164. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, C. R. Acad. Bulg. Sci., 156 (2022), 0.378, @2022
1165. Nedislav Svetoslavov Veselinov (2022) Flights of aircrafts in the atmospheres on the planets of the Solar system and communication with them, PhD Thesis, Sofia University "St. Kliment Ohridski", Faculty of Physics, Department of Radiophysics and Physical Electronics, 118 p., @2022
203. **Velinov P. I. Y., Kostov V..** (2001) A New Approach for Calculation of the Modified Chapman Function for Rotation Ellipsoid in the Giant Planet Ionosphere. Adv. Space Res., 27, 11, 2001, 1909-1913. ISI IF:1.409
Цитирана се в:
1166. Jianjun, H., Cheng, C., Hui, L., & Qiusheng, H. (2006, October). Effect of ionosphere refraction on satellite navigation precision. In Antennas, Propagation & EM Theory Symposium on (pp. 1-4). IEEE., @2006 [Линк](#)
1167. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане на доктор по научната специалност Физика на околоземното пространство, 2007, ЦЛСЗВ БАН, София. (2 citations), @2007
1168. LUKE EDWARD MOORE (2008) SATURN'S IONOSPHERE AND PLASMASPHERE, PhD Dissertation - researchgate.net, 245 p. BOSTON UNIVERSITY GRADUATE SCHOOL OF ARTS AND SCIENCES https://www.researchgate.net/profile/Luke_Moore3/publication/234388457_Saturn's_ionosphere_and_plasmasphere/links/5595912e08ae5d8f3930f9f7.pdf, @2008
1169. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013, p. 143., @2013
1170. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, C. R. Acad. Bulg. Sci., 156 (2022), 0.378, @2022
204. Kostov V., **Velinov P. I. Y..** (2001) Modelling of Cosmic Ray Ionization in the Oblate Planet Ionosphere. Adv. Space Res., 27, 11, 2001, 1909-1913. ISI IF:1.409
Цитирана се в:
1171. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане на доктор по научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007
1172. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013, 1 citation - p. 143.
1173. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, C. R. Acad. Bulg. Sci., 156 (2022), 0.378, @2022

205. **Tonev P., Velinov P. I. Y.** (2002) Electrostatic fields above thunderclouds at different latitudes and their ionospheric effects. Adv. Space Res., 30, 11, Elsevier, 2002 1177(02)80362-3, 2625-2630. JCR-IF (Web of Science):1.409
Лумура се в:
1174. Gupta S.P. (2002) The scientific COSPAR symposium 2.6 lightning middle atmosphere interaction held on 20 July, 2000, Session Preface: "P. I. Y. Velinov discusses latitude..." (2 citations) Advances in Space Research, 30 (11), pp.2583-2583, © 2002 COSPAR., @2002
1175. M. Buchvarova (2002) Proceedings of IX-th National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, pp. 29-32, CLSTI - BAS., @2002
1176. M. Fujimoto. Electrostatic fields above individual atoms. Progress in Surface Science, Volume 48, Issues 1-4, January-April 2005, Pages 1-9., @2005
1177. К. Георгиева. Динамика на Слънцето и влиянието ѝ върху слънчево-земните въздействия. Дисертационен труд за присъждане образователната и научна степен "доктор" по научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2006. (2 citations), @2006
1178. V.A. Rakov and M.A. Uman, Lightning: Physics and Effects, Cambridge University Press, Cambridge, U.K., 2007, 687 pp., ISBN 0-521-58327-6., @2007
1179. Y. Tassev. Report on the the Fourth European Space Weather Week ESWW4, European Space Agency, ESA Cof. Bureau, The EC COST Office, Royal Library of Belgium, Final Abstr. Book, p. 51., @2007
1180. L.N. Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. C.R. Acad. bulg. Sci., 2010, 63, 4, 593 - 600.
1181. Kabirzadeh, R., N. G. Lehtinen, and U. S. Inan (2015), Latitudinal dependence of static mesospheric E fields above thunderstorms, Geophys. Res. Lett., 42, 4200-4205 (2 citations), @2015 [Линк](#)
1182. Suman Paul, Syam Sundar De, D.K. Haldar, G. Guha (2017) Transmission of Electric Fields due to Distributed Cloud Charges in the Atmosphere-Ionosphere System. J. Space Weather and Space Climate, 2017, DOI: 10.1016/j.asr.2017.06.011, @2017
1183. K. Koh, A. Bennett, S. Ghilain, Z. Liu, S. Pedebay, A. Peverell, M. Füllekrug (2019) Lower Ionospheric Conductivity Modification Above a Thunderstorm Updraught, J. Geophys. Res., 124, 1-12, DOI: 10.1029/2019JA026863, @2019
1184. Bojilova R., P. Mukhtarov (2021) Construction of Ionospheric Critical Frequencies Based on the Total Electron Content over Bulgaria, C. R. Acad. Bulg. Sci., 74, 1, 0.343, @2021 [Линк](#)
206. **Mateev L., Ruder H., Buchvarova M., Velinov P. I. Y.** (2002) Computation of Cosmic Ray Ionization Effect in Planetary Ionosphere Using Improved Tangens Hyperbolicus. C. R. Acad. Bulg. Sci., 2002, 43-46. JCR-IF (Web of Science):0.21
Лумура се в:
1185. M. Buchvarova. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, 29-32., @2002
1186. Mitteilungen der Astronomischen Gesellschaft No 86, Nachrufe Jahresberichte Astronomischer Institute fuer 2002, Hamburg 2003, Seite 741., @2002
1187. Institut fuer Astronomie und Astrophysik - Abteilungen Theoretische Astrophysik and Computational Physics, Auf der Morgenstelle 10, 72076 Tübingen; WWW: <http://www.tat.physik.uni-tuebingen.de/publikationen/nr-publikationen.html>, @2003
1188. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане образователната и научна степен "доктор" по научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007
207. Spasov C., **Velinov P. I. Y., Mateev L.N.** (2002) Effects in the Ionospheric F-Region Due to Winter Lightning and Thunderstorm Activity on 3 December 1997 over Sofia. with International Participation „Contemporary Problems of Solar-Terrestrial Influences“, 21-22 November, Sofia, Bulgarian Academy of Sciences, 2002, 41-44
Лумура се в:
1189. Lal M. : Study of ozone variability at equatorial latitude during severe geomagnetic storm. Conference Information: 2nd UN/NASA Workshop on International Heliochemistry, NOV 27-DEC 01, 2006 Bangalore, INDIA Source: Bulletin of the astronomical society of India, Volume: 35, Issue: 4 Pages: 569-574, Published: Dec 2007., @2007
1190. П. Тонев. Моделиране разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане образователната и научна степен "доктор" по научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007. (2 citations), @2007
208. **Velinov P. I. Y.** (2002) Expression for Differential Spectrum of Primary Cosmic Rays with Smoothing Function Tangens Hyperbolicus. C. R. Acad. Bulg. Sci., 55, 1, 2002, 5-10
Лумура се в:
1191. M. Buchvarova. Compt. rend. Acad. bulg. Sci., 2002, 55, 7, 27 - 30: (3 citations), @2002
1192. M. Buchvarova. Modelling the Galactic and Anomalous Cosmic Ray Differential Spectrum (1.8 MEV - 100 GEV) with Improved Smoothing Function Tangens Hyperbolicus. C. R. Acad. Bulg. Sci., 2002, 55, 7, 27 - 30., @2002
1193. M. Buchvarova. Proc. IX National Conference "Contemporary Problems of Solar-Terrestrial Influences", 2002, 29-32., @2002
1194. M.B. Buchvarova. An analytical model for differential spectrum of cosmic rays. Publ. Astron. Obs. Belgrade No 73, (2002), 91-95. (3 citations), @2002
1195. M. Buchvarova. SES 2005 [PDF-237K], [<http://www.space.bas.bg/astro/ses2005/a6.pdf>] more: [<http://www.space.bas.bg>], @2005
1196. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане образователната и научна степен "доктор" по научната специалност Физика на околоземното пространство. ЦЛСЗВ БАН, София, 2007., @2007
1197. M. Buchvarova. Cosmic Ray Spectra Approximation Model for Protons and Alpha Particles in the Heliosphere. C.R. Acad. bulg. Sci., 2009, 62, 11, 1439 - 1448. (3 citations), @2009
1198. M. Buchvarova. Integral Primary Cosmic Ray Spectra in the Planetary Atmospheres in Extreme Phases of the Solar Cycle. C.R. Acad. bulg. Sci., 2010, 63, 11, 419 - 424. (2 citations), @2010
1199. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013 (2 citations - p. 2, 10), @2013

1200. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. Acad. Sci. Bulg. Acad. Sci. 140, 1-10.
209. **Velinov P. I. Y..** (2002) Expressions for Differential Spectrum of Primary Cosmic Rays with Exponential Smoothing Functions. Proceedings of 9th National Conference with International Participation "Problems of Solar-Terrestrial Influences", 21-22 November, Sofia, Bulgarian Academy of Sciences, 2002, 25-29
- Цитирана е:
1201. M.B. Buchvarova. Modelling the Galactic and Anomalous Cosmic Ray Differential Spectrum (1.8 MEV - 100 GEV) with Improved Smoothing Function Tangens Hyperbolicus. *Journal of Space Weather and Space Climate*, 7, 27 - 30., **@2002**
1202. M. Buchvarova. S E S ' 2 0 0 5 [PDF-237K], Sep 2005, 48 References: 1. Velinov, P.I.Y., G. Nestorov, and L. Dorman... 5. Velinov, P.I.Y. [http://www.space.bas.bg/astro/ses2005/a6.pdf], **@2005**
1203. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане на степен "доктор" по научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., **@2007**

2003

- 210.** Velinov P. I. Y., Spassov C., Tonev P.. (2003) Influence of the Strongest Geomagnetic Storms of 20-th Century on the Behaviour of the Ionospheric F-Region. Proceeding Conference „Contemporary Problems of Solar-Terrestrial Influences“, 20-21 November, Sofia, Publishing House of Bulgarian Academy of Sciences, 2003, 43-46
Цитирана се е:
- 1204.** Srebrov B., L. Pashova, O. Kounchev (2018) Study of Local Manifestations of G5 – Extreme Geomagnetic Storms (29÷31 October, 2003) in Midlatitudes Using Geomagnetic Transforms, C. R. Acad. Bulg. Sci., 71(6), 803–811., @2018
- 1205.** Bojilova R., P. Mukhtarov (2020) Relationship between the Critical Frequencies of the Ionosphere over Bulgaria and Geomagnetic Activity, C. R. Acad. Bulg. Sci., 73(2), 137–142., @2020
- 1206.** P. Mukhtarov, R. Bojilova (2021) Accuracy Assessment of the Ionospheric Critical Frequencies Reconstructed by TEC over Bulgaria, C. R. Acad. Bulg. Sci., 74 (2), 201–206., @2021
- 211.** Tashev Y., Velinov P. I. Y., Mateev L., Tomova D.. (2003) Comparison Between Effects of Solar Proton Events and Geomagnetic Storms on the Ozone Profiles. Adv. Space Res. (Web of Science):1.409
Цитирана се е:
- 1207.** Desorgher L., E. O. Flückiger, M. Gurtner (2005) The Planetocosmics Geant4 application, 1. Physikalisches Institut, University of Bern 2. University of Wuppertal., @2005
- 1208.** Jan Philipp Bornebusch. Asymmetrie in der Verteilung präzipitierender Teilchen über den Polkappen. Diplomarbeit, Universität Osnabrück, Matrikelnummer: 90010000000000000000000000000000 Modellierung, Prof. Kallenrode, Numerische Physik, 30 November 2005: www.sotere.uni-osnabrueck.de/pubs/examensarbeiten/bornebusch_dipl.pdf, @2005
- 1209.** L. Desorgher, E. O. Flückiger, M. Gurtner (2005) The Planetocosmics Geant4 application, University Hospital of Lausanne, Institute of radiation physics., @2005
- 1210.** Lastovicka, J., Krizan, P. (2005) Geomagnetic storms, Forbush decreases of cosmic rays and total ozone at northern higher middle latitudes, Journal of Atmospheric Physics, 68, 119-124., @2005
- 1211.** Desorgher, E. Flückiger, M. Gurtner (2006) The Planetocosmics Geant4 application, Publication: 36th COSPAR Scientific Assembly. Held 16 - 23 July 2006, in Beijing, China. CDROM, #2361, Bibcode: 2006cospar36.2361D, @2006
- 1212.** К. Георгиева (2006) Динамика на Слънцето и влиянието ѝ върху слънчево-земните въздействия. Дисертационен труд за присъждане образователната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2006. (2 citations), @2006
- 1213.** Manohar Lal (2007) Study of ozone variability at equatorial latitude during severe geomagnetic storm. Bull. Astr. Soc. India 35, 569–574., @2007
- 1214.** P. Tonev. Conditions for Electric Breakdown in The Lower Ionosphere Due to a Lightning Discharge. Солнечно-земная физика. Вып. 12. Т. 2. (2008) 248–249., @2008
- 1215.** Usoskin, I., L. Desorgher (2008) Solar and galactic cosmic rays in the Earth's atmosphere, in "COST 724 final report: Developing the scientific basis for monitoring, modelling and predicting space weather effects on technological systems" (eds. J. Liliensten, A. Belchak, M. Messerotti, R. Vainio, J. Watermann, S. Poedts), COST Office, Luxembourg, 2008 (ISBN 978-92-898-0044-0), pp. 124-132., @2008
- 1216.** Климатични промени. Състояние на проблема, научни изследвания в БАН и България (под редакцията на ст.н.с., дфн В.Александров), София 18.09.2008 г. „Проблеми с климата“ промени”, БАН., @2008
- 1217.** Usoskin, Ilya, Laurent Desorgher (2009) Ionization of the Earth's atmosphere by solar and galactic cosmic rays, Acta Geophysica 57(1), 88-101., @2009
- 1218.** Natalia Kilifarska, Mechanisms and Modelling of a 22-Year Cycle in the Stratospheric Winter Time Ozone Variability, Comptes rendus de l'Académie bulgare des Sciences et des lettres, 2008, 10, 1613-1622, @2008
- 1219.** Natalya Kilifarska, Volodimir Bakhtmutov, Galina Melnyk, Energetic Particles Influence on the Southern Hemisphere Ozone Variability, Comptes rendus de l'Académie bulgare des Sciences et des lettres, 2013, 11, 1613-1622, @2013
- 1220.** S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (5 citations: p. 6, 7, 23, 25, 33), @2013
- 1221.** S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (6 citations - p. 15, 16, 17, 18, 19, 20), @2013
- 1222.** Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. Acad. Bulg. Sci., 70(2), 137–142., @2017
- 1223.** Najat Al-Ubaidi, Zahra T. I.(2018) Behaviour of the Total Column Ozone and Temperature above Iraq during 2012 Strong Geomagnetic Storms, International Journal of Remote Sensing, 39(7), (Issue 2), DOI: 10.21275/ART201865, @2018
- 1224.** Najat M. R. Al-Ubaidi, T. I. Zahra (2018) Investigate the Ozone Thickness and Temperature above Iraq during Severe and Strong Geomagnetic Storms, Journal of Environmental Research and Public Health, 15(1), 2018, 6, 50-61. http://www.scirp.org/journal/gep, @2018 [Линк](#)
- 1225.** Kilifarska N. (2019) Latitudinal dependence of the stratospheric ozone and temperature response to solar particles' forcing on 20 January 2005. Aerospace Res. Bull. 100, 100000, @2019

page 49/108

1226. Velichkova Ts., Kilifarska N. (2019) Lower stratospheric ozone's influence on the NAO climatic mode, C. R. Acad. Bulg. Sci., 72(2), 219-225. DOI:10.7546/CRABS.2019.72.2.219-225, @2019
1227. Bojilova R., P. Mukhtarov (2020) Relationship Between Short-term Variations of Solar Activity and Critical Frequencies of the Ionosphere Represented by FoF2 and h'pF2, C. R. Acad. Bulg. Sci., 73(1), 1416-1424., @2020
1228. Tsvetelina Velichkova, Natalya Kilifarska (2020) Inter-decadal Variations of the ENSO Climatic Mode and Lower Stratospheric Ozone, Comptes rendus de l'Académie des Sciences, Paris, pp. 539-546., @2020
1229. Velichkova-Tasheva T. P. (2020) Global and Regional Climate Variability - Driving Factors, AUTOREFERAT of PhD Thesis, NIGGG - BAS, Department of Geophysics, NIGGG Publishers, 32 p., @2020 [Линк](#)
1230. Velichkova-Tasheva T. P. (2020) Influencing Factors for Global and Regional Climate Variability, PhD Thesis, National Institute of Geophysics, Geodesy and Geography, Section "Physics of the Ionosphere", NIGGG Publishers, 135 p., @2020
1231. Gabriela Huidobro, Rodrigo Bernal, Sven Wagner (2021) Post-fire Regeneration of the Palm *Mauritia flexuosa* in Vichada, Orinoco Region of Colombia, In book: Sustainable Land Management and Land Planning, Publisher: Springer, DOI: 10.1007/978-3-030-76624-5_26, @2021
1232. Patrick Musinguzi, Emmanuel Opolot, Peter Ebanyat, John Tenywa, Giregon Olupot (2021) Sustainable Land Management Paradigm: Harnessing Technologies for the Great Lakes Region of Africa, In book: Sustainability in Natural Resources Management and Land Planning, Publisher: Springer, DOI: 10.1007/978-3-030-76624-5_26, @2021
1233. V. Guineva, R. Werner, R. Bojilova, L. Raykova, I. V. Despirak (2021) Mid-latitude positive bays during substorms by quiet and disturbed conditions, C. R. Acad. Bulg. Sci., 73(1), 1416-1424., @2021
1234. Velichkova Ts. P., N. A. Kilifarska (2022) Extra-terrestrial influence on climate variability, Journal of Physics Conference Series, 2255(1):012012, DOI: 10.1088/1742-6596/2255/1/012012, @2022
1235. Natalya Andreeva Kilifarska, Klaudio Peqini (2023) Impact of Forbush Decreases and Geomagnetic Storms on the Atmospheric Ozone, Earth and Space Science, LicenseCC BY-NC 4.0, @2023 [Линк](#)
1236. S. R. Mawj · Najat M. R. Al-Ubaidi 2023 Effect of Carbon Dioxide, Methane and Nitrous Oxide with TCO and Solar Flux on the Earth's Stratosphere Temperature in March 2023 · IOP Conference Series: Earth and Environmental Science 1223(1):012009, DOI: 10.1088/1755-1315/1223/1/012009, @2023 [Линк](#)
212. **Velinov P. I. Y., Ruder H., Mateev L., Buchvarova M., Kostov V..** (2003) On the Latitude and Azimuth Dependence of Electron Production Rate Profiles by Cosmic Rays in the Ionosphere, J. Geophys. Res., 108, 37-42. JCR-IF (Web of Science):0.21
[Lumupa ce 6:](#)
1237. Centre National de la Recherche Scientifique, CAT.INIST, cat.inist.fr/?aModele = afficheN&cpsid = 9277985, © INIST Diffusion S.A., 2, allée du parc de Brabois, 54600 Villers-lès-Nancy, France, cat.inist.fr/?aModele = afficheN&cpsid = 17222415, @2004
1238. Institut fuer Astronomie und Astrophysik / Abteilungen Theoretische Astrophysik and Computational Physics, Auf der Morgenstelle 10, 72076 Tübingen, WWW: <http://www.tat.physik.uni-tuebingen.de/publikationen/nr-publikationen.html>, @2004
1239. Mitteilungen der Astronomischen Gesellschaft No 87, Nachrufe Jahresberichte Astronomischer Institute fuer 2003, Hamburg 2004, Seiten 3, 13, @2004
1240. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (2 citations: p. 8, 33), @2013
1241. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (6 citations - p. 2, 3, 4, 5, 6, 7), @2013
213. **Velinov P. I. Y., Ruder H., Mateev L., Buchvarova M..** (2003) Contribution of Galactic and Anomalous Cosmic Rays to Ionization State in the Planetary Ionospheres. F. R. Sci. Conf. Proc., 20-21 November, Sofia, Bulgarian Academy of Sciences, 2003, 14-17
[Lumupa ce 6:](#)
1242. Institut fuer Astronomie und Astrophysik Abteilungen Theoretische Astrophysik and Computational Physics, Auf der Morgenstelle 10, 72076 Tübingen, WWW: <http://www.tat.physik.uni-tuebingen.de/publikationen/nr-publikationen.html>, @2003
1243. Mitteilungen der Astronomischen Gesellschaft No 87, Nachrufe Jahresberichte Astronomischer Institute fuer 2003, Hamburg 2004, Seiten 3, 13, @2004
214. **Velinov P. I. Y..** (2003) On the Presentation of Cosmic Ray Spectrum by Multifactor Coefficients. Proceedings of 10th Jubilee International Scientific Conference „Contemporary Problems of Solar-Terrestrial Influences“, 20-21 November, Sofia, CSTIL BAS, 2003, 47-48
[Lumupa ce 6:](#)
1244. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане на степен „доктор“ по научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007
215. **Tonev P., Velinov P. I. Y..** (2003) Quasi-electrostatic fields in the near-earth space produced by lightning and generation of runaway electrons in ionosphere. Adv. Space Res., 31, 1443-1448. DOI:10.1016/S0273-1177(03)00009-7, 1443-1448. JCR-IF (Web of Science):1.409
[Lumupa ce 6:](#)
1245. Sprites Search. <http://www.sgo.fi/~fredrik/publications/SpritesSearch.html> : Tonev P., and P.I.Y. Velinov. Adv. Space Res., 2003, 31, 5, 1443 - 1448., @2003
1246. Website of Professor V.P. Pasko: <http://www.sgo.fi/~fredrik/publications/Pasko.html> [26], PT Tonev and PIY Velinov. Adv. Space Res., 2003., @2003
1247. V. Bourscheidt, O. P. Junior (2004) RELATÓRIO FINAL DE PROJETO DE INICIAÇÃO CIENTÍFICA, Santa Maria, Maio de 2004, Processo No 016/sid.inpe.br/col/sid.inpe.br/marciana/2004/11.25.10.52/doc/11595.pdf, @2004
1248. AAAS Institute: <http://intl.sciencemag.org>; DOI: 10.1126/science.1105692, 1088 (2005); 307 Science et al. intl.sciencemag.org/cgi/reprint/307/5712/1088.pdf?ck=nrc
1249. D.M. Smith, L.I. Lopez, R.P. Lin, C.P. Barrington-Leigh. Terrestrial Gamma-Ray Flashes Observed up to 20 MeV, Science, 18 February 2005, 307, 1086-1088, 34.463, @2005 [Линк](#)

1250. Olivier J. Rouxel, Andrey Bekker, Katrina J. Edwards (2005) Iron Isotope Constraints on Archean and Paleoproterozoic Ocean Redox State. SCIENCE (18 February 2005). DOI: 10.1126/science.1105692 IMPACT FACTOR = 34.463, @2005
1251. К. Георгиева. Динамика на Слънцето и влиянието ѝ върху слънчево-земните въздействия. Дисертационен труд за присъждане образователната и научна степен "доктор" по научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2006., @2006
1252. Y. Tassev. Report on the the Fourth European Space Weather Week ESWW4, European Space Agency, ESA Conference Bureau, The EC COST Office, Royal Lib 2007, Final Abstr. Book, p. 51., @2007
1253. A.D. Erlykin, A.W. Wolfendale (2010) Long term time variability of cosmic rays and possible relevance to the development of life on Earth. ArXiv:1003.0082v1 [astro-ph] 2010, @2010
1254. Erlykin, A.D., Wolfendale, A.W., Long term time variability of cosmic rays and possible relevance to the development of life on Earth, Surveys in Geophysics, vol. 31, 2010, @2010
1255. Paul, S., De, S. S., Haldar, D. K., Guha, G. (2017). Transmission of electric fields due to distributed cloud charges in the atmosphere-ionosphere system. Advances in Space Research, 60, 1-10. DOI: 10.1016/j.asr.2017.06.011, @2017
216. **Velinov P. I. Y.** (2003) Expressions for Differential Spectrum of Primary Cosmic Rays with Exponential Smoothing Functions. C. R. Acad. Bulg. Sci., 56, 6, 2003, 17-22. JCR-IF (Web of Science):0.21
Лумупа се е:
1256. Buchvarova M. SES ' 2005 [PDF-237K], Sep 2005, 48 References: 5. Velinov, P.I.Y., Expressions for Differential... [http://www.space.bas.bg/], @2005
1257. М. Бъчварова. Моделиране спектъра на космическите лъчи и техните йонизационни въздействия в планетните йоносфери. Дисертационен труд за присъждане образователната и научна степен "доктор" по научната специалност Физика на околоземното пространство, 2007. (3 citations), @2007
1258. M.B. Buchvarova. Cosmic Ray Spectra Approximation Model for Protons and Alpha Particles in the Heliosphere. C.R. Acad. bulg. Sci., 2009, 62, 11, 1439 - 1448., @2009
1259. M.B. Buchvarova. Integral Primary Cosmic Ray Spectra in the Planetary Atmospheres in Extreme Phases of the Solar Cycle. C.R. Acad. bulg. Sci., 2010, 63, 11, 413 - 418., @2010
217. **Buchvarova M., Ruder H., Velinov P. I. Y., Tonev P.T.** (2003) Ionization by Galactic Cosmic Rays in the Ionosphere and Atmosphere Depending on the Solar Activity. Proceedings of the Symposium on „Solar Variability as an Input to the Earth's Environment“, Tatranska Lomnica, Slovakia (ESA SP-535, September 2003), Ed. by A. Wilson, ESA Publications Division, The Netherlands, 2003, 351-354. SJR (Scopus):0.51
Лумупа се е:
1260. P.T. Tonev. Quasi DC Electric Fields above Equatorial Thunderclouds. C.R. Acad. bulg. Sci., 2002, 55, 1, 45 - 50. (2 citations), @2002
1261. Institut fuer Astronomie und Astrophysik Abteilungen Theoretische Astrophysik and Computational Physics, Auf der Morgenstelle 10, 72076 Tübingen, WWW: http://www.tat.physik.uni-tuebingen.de/publikationen/nr-publikationen.html, @2003
1262. Grossmann Marcel Geometry.Net - Scientists: www5.geometry.net/scientists/grossmann_marcel_page_no_4.html, @2004
1263. Mitteilungen der Astronomischen Gesellschaft No 87, Nachrufe Jahresberichte Astronomischer Institute fuer 2003, Hamburg 2004, Seiten 3, 13: (3 citations), @2004
1264. SRef: Author. http://www.sref.org/site/?op = author&id = 39877 / J. Geophysical Research Abstracts, Vol. 6, 17-2-2004 1607-7962/gra/EGU04-A-05198, @2004
1265. Serge Takoukam, Guembou Shouop, Cébastien Joël et al. (2024) Cosmic-ray exposure assessment using particle and heavy ion transport code system: case study in the Sahara Desert. Dosimetry, DOI: 10.1093/rpd/nae087, Lab: Saïdou 's Lab, @2024 [Линк](#)

2004

218. Ruder H., **Velinov P. I. Y., Mateev L., Buchvarova M.** (2004) Electron Production Rate Profiles by Galactic and Anomalous Cosmic Rays in Planetary Ionospheres. C. R. Acad. Bulg. Sci., 57, 1, 2004, 1-6. JCR-IF (Web of Science):0.21
Лумупа се е:
1266. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1267. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (3 citations: p. 3, 29, 33), @2013
1268. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (5 citations - p. 2, 3, 29, 33), @2013
219. **Tonev P., Velinov P. I. Y.** (2004) Modelling the influence of conductivity profiles on red sprite formation and structure. Adv. Space Res., 34, 8, Elsevier, 2004, ISSN:0273-1792-1797. JCR-IF (Web of Science):1.409
Лумупа се е:
1269. O'Neill, Charles R. (2005) Upper Atmosphere and Extra-Planetary Rarefied Flows MAE 5010 Microflows, J. Environmental Science, 14 April 2005. oneill.com/projects/atmo_oneill.pdf. (2 citations), @2005
1270. A.U., Chu, A.F. Chu, A. Kwang-Hua. Possible formations of sprites in the free electromagnetic field, Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 69, 11, 1103-1110. https://doi.org/10.1016/j.jastp.2005.11.003, @2006 [Линк](#)
1271. К. Георгиева. Динамика на Слънцето и влиянието ѝ върху слънчево-земните въздействия. Автореферат на дисертационен труд за присъждане образователната и научна степен "доктор" по научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2006., @2006
1272. К. Георгиева. Динамика на Слънцето и влиянието ѝ върху слънчево-земните въздействия. Дисертационен труд за присъждане образователната и научна степен "доктор" по научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2006., @2006

1273. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
220. Velinov P. I. Y., Kostov V., Buchvarova M.. (2004) Expressions on the Modified Chapman Function for Polar Regions in Ellipsoidal Atmosphere of Relevance to Giant Plan 2, 2004, 227-231. ISI IF:1.409
Цитирана е:
1274. A.K. Singh, Devendraa Siingh, R.P. Singh. Impact of galactic cosmic rays on Earth's atmosphere and human health. Journal of Atmos. and Solar-Terrestrial Physics 2007, Pages 2485-2509., @2007
1275. Comparative Aeronomy in the Solar System, Monography: <http://www.bu.edu/csp/uv/cp-aeronomy/sol-sys-emails.html>, @2007
1276. Michael J. Rycroft, Anna Odzimek, Neil F. Arnold, Martin Füllekrug, Andrzej Kulak, Torsten Neubert. New model simulations of the global atmospheric electric circuit shower clouds: The roles of lightning and sprites. Journal of Atmospheric and Solar-Terrestrial Physics, Volume 69, Issues 17-18, December 2007, Pages 2485-2500
1277. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
1278. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013, p. 143., @2013
1279. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, C. R. Acad. Bulg. Sci., Science):0.378, @2022
221. Velinov P. I. Y., Ruder H., Mateev L., Buchvarova M., Kostov V.. (2004) Method for Calculation of Ionization Profiles Caused by Cosmic Rays in Giant Planet Ionospheres 2, 2004, 232-239. ISI IF:1.409
Цитирана е:
1280. Mitteilungen der Astronomischen Gesellschaft No 87, Nachrufe Jahresberichte Astronomischer Institute fuer 2003, Hamburg 2004, Seiten 3, 13: (2 citations), @2004
1281. Institut fuer Astronomie und Astrophysik Abteilungen Theoretische Astrophysik and Computational Physics, Auf der Morgenstelle 10, 72076 Tübingen, WWW <http://www.tat.physik.uni-tuebingen.de/publikationen/nr-publikationen.html>, @2005
1282. Karen L. Aplin. Atmospheric Electrification in the Solar System. Surveys in Geophysics, 2005, 27, 265., @2005
1283. L. Desorgher, E. O. Flückiger, M. Gurtner (2005) The Planetocosmics Geant4 application, University Hospital of Lausanne, Institute of radiation physics, Lausanne, Switzerland
1284. Mitteilungen der Astronomischen Gesellschaft No 88, Nachrufe Jahresberichte Astronomischer Institute fuer 2004, Hamburg 2005, Seiten 2, 15, 16, 778: (2 citations)
1285. Usoskin I., Comparison of atmospheric ionization models. Rep. 3rd COST 724 WG-2 Meeting "Developing the Scientific Basis for Monitoring, Modelling and Prediction of Space Weather", Vienna, Austria, pp. 1 - 19. <http://theory.physics.helsinki.fi/~space/cost724/vienna/usoskin1.pdf>, @2005
1286. Aplin, K. L. (2006) Atmospheric electrification in the solar system. Surveys in Geophysics, 27(1), 63-108., @2006
1287. Desorgher, E. Flückiger, M. Gurtner (2006) The Planetocosmics Geant4 application https://www.researchgate.net/publication/241603312_The_Planetocosmics_Geant4_application/references, @2006
1288. Годишен отчет на БАН 2005 год., Върхови постижения, Изд. БАН, София, 2006, стр. 50-51., @2006
1289. Comparative Aeronomy in the Solar System, Monography: <http://www.bu.edu/csp/uv/cp-aeronomy/sol-sys-emails.html>, @2007
1290. Y. Tassev. Report on the the Fourth European Space Weather Week ESWW4, European Space Agency, ESA Coference Bureau, EC COST Office, Royal Library of Belgium, Abstr. Book, p. 51., @2007
1291. Y. Tassev. Statistical Analysis of the Ozone, Temperature and Pressure Reactions During and After the Solar Proton Event on 20 January 2005. Report P4.01 on the Fourth European Space Weather Week ESWW4, European Space Agency, ESA Coference Bureau, The EC COST Office, The Royal Library of Belgium, Brussels, 5 - 9 November 2007, Final Abstr.
1292. П. Тонев. Моделиране на разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане на степен на научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007
1293. Jean Lilensten, A. Belehaki, M. Messerotti, R. Vainio, Stefaan Poedts, COST 724 final report: Developing the scientific basis for monitoring, modelling and predicting space weather. Editor: Jean Lilensten, Anna Belehaki, Mauro Messerotti, Rami Vainio, Jürgen Watermann, Stefaan Poedts, ISBN: 978-92-898-0044-0, @2008
1294. Y. Tassev. Relationships between Low Energy Proton Flux and Ozone, Temperature and Pressure during and after the Solar Proton Event from 20 January 2005. Journal of Space Weather and Space Climate, 2(2), 252., @2008
1295. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
1296. Thomson, Alan W P; Reay, Sarah J; Dawson, Ewan. Estimating the Extremes in European Geomagnetic Activity. Report P5.1 on the Sixth European Space Weather Week ESWW6 (Brussels, Belgium), <http://sidc.oma.be/esww6/program/session5poster.php>, @2009
1297. Guang Jin, Hyo-Sung Jeon, Enyue Yang, Jae Yong Park. Mutation analysis of the FRK gene in non-small cell lung cancers. Lung cancer (Amsterdam, Netherlands) 67, 7., @2010
1298. Lachezar Mateev, Simulation of ionization profiles of cosmic rays in the middle atmosphere during moderate solar activity, Comptes rendus de l'Académie bulgare des sciences et lettres 63(4):593-600 • January 2010, (10 citations), @2010
1299. Tonev P. (2011) Electric response of high latitudinal middle atmosphere to solar wind characteristics studied by model simulations. SES 2011, Seventh Scientific Conference on SPACE, ECOLOGY, SAFETY, 29 November – 1 December 2011, BAS Publishing, Sofia, pp. 49-54. (3 citations), @2011
1300. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (5 citations: p. 6, 8, 9, 33, 38), @2013

1301. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [11 citations - p. 156], @2013
1302. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4860-080403846, @2016
1303. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, World Applied Sciences Journal 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5829/idosi.wasj.2016.34.03.312317, @2016
1304. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, Middle-East Journal of Scientific Research 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
1305. Umahi, A. E. (2016) Variability of Galactic Cosmic rays Flux and Solar Activities in the Earth's Atmospheric Environment, American-Eurasian J. Agric. & Environ. Sci., 16 (5), 868-873, DOI: 10.5829/idosi.aejas.2016.16.05.868873, @2016
1306. Umahi, A. E. (2016) Impact of Space Radiation in the Earth's Atmosphere, American-Eurasian J. Agric. & Environ. Sci., 16 (5), 868-873, DOI: 10.5829/idosi.aejas.2016.16.05.868873, @2016
1307. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udeaja, V.N., Anih, J.O., Onyia, A.I., Adieme, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, E. (2016) Cosmic Rays in the Atmosphere, IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), e-ISSN: 2319-2402, p- ISSN: 2319-2396, pp. 80-84, www.iosrjournals.org, @2016
1308. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, C. R. Acad. Bulg. Sci., (Science):0.378, @2022
222. Velinov P. I. Y.. (2004) A Knee of Cosmic Ray Ionization Profiles in the Polar Lower and Middle Ionosphere. C. R. Acad. Bulg. Sci., 57, 2, 2004, 53-56. JCR-IF (Web of Science):0.378, @2004
- Lumupa ce s:
1309. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1310. M.B. Buchvarova. Cosmic Ray Spectra Approximation Model for Protons and Alpha Particles in the Heliosphere. C.R. Acad. bulg. Sci., 2009, 62, 11, 1439 - 1448., @2009
1311. M.B. Buchvarova. Integral Primary Cosmic Ray Spectra in the Planetary Atmospheres in Extreme Phases of the Solar Cycle. C.R. Acad. bulg. Sci., 2010, 63, 11, 411-416, @2010
1312. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (2 citations: p. 3, 29), @2013
1313. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (3 citations - p. 2, 3, 29), @2013
223. Velinov P. I. Y.. (2004) Models for Calculations of Ionization Caused by Cosmic Rays in the Earth and Planetary Environments. COST Action 724: First Meeting on Advanced Topics in Space Weather and Radiation Environment, 12 October 2004, Trieste, Congress Centre "Stazione Marittima", Italy, http://ca724wg1.ts.astro.it/meetings/1st_meeting_research/scientific_pr.htm, 2004, @2004
- Lumupa ce s:
1314. M. Messerotti 2004 Space Weather: Caratterizzazione delle Emissioni ad Alta Energia Scuola Nazionale "Rivelatori ed Elettronica per Fisica delle Alte Energie, Assisi, 2004, Laboratori Nazionali di Legnaro – 8 Aprile 2005, in Proc. COST Action 724 Trieste Meeting, 2004 http://sirad.pd.infn.it/scuola_legnaro_2005/Presentazioni/D01_Messerotti.pdf, @2004
-
- ## 2005
-
224. Velinov P. I. Y., Mateev L.. (2005) Modeling the Galactic and Anomalous Cosmic Ray Ionization Rates in Planetary Middle Atmosphere (50 - 90 km). C. R. Acad. Bulg. Sci., (Science):0.21, @2005
- Lumupa ce s:
1315. Space weather modeling, COST724 Action, Working group 2, WG-2, 14/11/07.<http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf>, @2007
1316. P. Tonev. Electric breakdown occurrence in atmosphere above lightning - impact of conductivity and discharge parameters. Compt. rend. Acad. bulg. Sci., 61, 2008, 1465-1470, @2008
1317. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1318. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (3 citations: p. 3, 9, 29), @2013
1319. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (4 citations - p. 2, 3, 29, 30), @2013
225. Tonev P., Velinov P. I. Y.. (2005) Variations of quasi-electrostatic fields and ionosphere potential above lightning discharge at equatorial latitudes. Adv. Space Res., 35, 8, 1466. JCR-IF (Web of Science):1.409, @2005
- Lumupa ce s:
1320. D.M. Smith, L.I. Lopez, R.P. Lin, C.P. Barrington-Leigh. Science, 2005, 307, 1086-1088. IMPACT FACTOR = 34.463, @2005
1321. Gupta, S.P., Advances in Space Research, 35 (8), p.1433-1433, Jan 2005. COSPAR Editorial Preface S.P. Gupta. Guest Editor, Physical Research Laboratory, Ahmedabad, India, @2005
1322. M. Fujimoto. Electrostatic fields above individual atoms. Progress in Surface Science, Volume 48, Issues 1-4, January-April 2006, Pages 1-9., @2006
1323. Liliensten J., Vanio R., Belelaki A., Progress report Space weather modeling, COST724 Action, Working group 2, WG-2, 14/11/07, <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf>, @2007
1324. Y. Tassev. Report on the the Fourth European Space Weather Week ESWW4, European Space Agency, ESA Conference Bureau, EC COST Office, Royal Library of Science, Brussels, Belgium, Final Abstr. Book, p. 51., @2007
1325. Michael David Allgood. FINITE ELEMENT ANALYSIS OF THE MESOSPHERE'S ELECTROMAGNETIC RESPONSE TO LARGE SCALE LIGHTNING ASSOCIATED TRANSIENT LUMINOUS EVENTS. PhD Thesis. Electrical and Computer Engineering, Auburn, Alabama, May 10, 2008 (Directed by Michael E. Baginski), 82 Typed Pages, @2008

1326. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
1327. Mateev L., Simulation of ionization profiles of cosmic rays in the middle atmosphere during moderate solar activity, Comptes Rendus de L'Academie Bulgar 400., @2010 [Линк](#)
1328. Kabirzadeh, R., N. G. Lehtinen, and U. S. Inan (2015), Latitudinal dependence of static mesospheric E fields above thunderstorms, Geophys. Res. Lett., 42, 420 citations), @2015 [Линк](#)
226. **Velinov P. I. Y., Mateev L.N.** (2005) Cosmic Ray Electron Production Rates with Initial Energy E0 (Interval 5 GeV-5 TeV) in the Planetary Atmospheres.. C. R. Acad. Bul (Web of Science):0.21
- Лумупа се е:
1329. Space weather modeling, COST724 Action, Work. group 2, WG-2, 14/11/07. <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf>, @2007
1330. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
1331. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing Hause, Sofia, 2013. (1 citations: p. 9), @2013
1332. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (2 citations - p. 2,
227. **Velinov P. I. Y., Ruder H., Mateev L.** (2005) Cosmic Ray and Solar Energetic Particle Influences on the Planetary Ionospheres: Improved Analytical Approach. Solar-T Eleventh International Scientific Conference, Dedicated to the Year of Physics 2005, Sofia 23-25 November, Edited by S. Panchev, CSTIL BAS, Publishing House of Bulg 3-6
- Лумупа се е:
1333. Mitteilungen der Astronomischen Gesellschaft No 88, Nachrufe Jahresberichte Astronomischer Institute fuer 2006, Hamburg 2006, Seiten 2, 15, 16, 778. (4 citations
1334. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
228. **Velinov P. I. Y., Spassov C., Mateev L.** (2005) Impacts of Ground Level Enhancement from Solar Cosmic Rays on 28 October 2003: Geomagnetic and Ionospheric Effects Influences, Proceedings of the Eleventh International Scientific Conference, Dedicated to the Year of Physics 2005, Sofia, 23-25 November, Edited by S. Panchev, CS Academy of Sciences, PIM 6, 2005, 23-26
- Лумупа се е:
1335. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
1336. Srebrov B., L. Pashova, O. Kounchev (2018) Study of Local Manifestations of G5 – Extreme Geomagnetic Storms (29+31 October, 2003) in Midlatitudes Using Ge Transforms, C. R. Acad. Bulg. Sci., 71(6), 803–811., @2018
1337. Bojilova R. (2021) Empirical Modeling of Ionospheric Characteristics over Bulgaria, PhD Thesis, National Institute of Geophysics, Geodesy and Geography - BAS, Dep of the Ionosphere", NIGGG Publishers, 116 p., @2021
229. **Velinov P. I. Y., Ruder H., Mateev L.** (2005) Analytical Model for Galactic and Solar Cosmic Ray Ionization in the Planetary Ionospheres and Atmospheres. The Second Eu 14-18 November 2005, European Space Research and Technology Centre (ESTEC), Noordwijk, The Netherlands, Poster Session 2, European Space <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.513.7060&rep=rep1&type=pdf>, 2005
- Лумупа се е:
1338. Mitteilungen der Astronomischen Gesellschaft No 88, Nachrufe Jahresberichte Astronomischer Institute fuer 2006, Hamburg 2006, Seiten 2, 15, 16, 778. (4 citations
230. **Buchvarova M., Velinov P. I. Y., Kobylnski Z.** (2005) Modeling Cosmic Ray Element Spectra and Ionization in the Ionospheres and Atmospheres of Terrestrial and Jovian Physics A (IJMPA). Particles and Fields, Gravitation, Cosmology and Nuclear Physics, 20, 29, 2005, 6681-6684. JCR-IF (Web of Science):2.14
- Лумупа се е:
1339. Storini M., Effects in the Heliosphere, Lecture notes in: International Advanced School on Space Weather, Trieste, Italy, 2-19 May 2006., @2006
1340. Space weather modeling, COST724 Action, Working group 2, WG-2, 14/11/07.<http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf>, @2007
231. **Velinov P. I. Y., Buchvarova M.** (2005) Determination of Galactic and Anomalous Cosmic Ray Spectra in the Solar System at Different Modulation Levels. Solar-Terrestrial International Scientific Conference, Dedicated to the Year of Physics 2005, Sofia 23-25 November, Edited by S. Panchev, PIM 5, CSTIL BAS, 2005, 19-22
- Лумупа се е:
1341. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
232. **Velinov P. I. Y., Mateev L., Kilifarska N.** (2005) 3D Model for Cosmic Ray Planetary Ionization in the Middle Atmosphere. Annales Geophysicae, 23, 9, 2005, 3043-3046. I
- Лумупа се е:

1342. I. Usoskin (2005) Space weather modeling reports, The COST724 Action: Developing the scientific basis for monitoring, modeling and predicting Space Weather, <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf>, @2005
1343. Vanio Rami (2005) Progress Report 2, The COST724 Action: Developing the scientific basis for monitoring, modeling and predicting Space Weather, <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf>, @2005
1344. A. D. Erlykin, T. Sloan, A. W. Wolfendale (2007) Cosmic Rays and Global Warming, PROCEEDINGS 30TH INTERNATIONAL COSMIC RAY CONFERENCE, Merida, Mexico, 28 Jun 2007, <https://www.researchgate.net/publication/41713845>, @2007
1345. T. Sloan, A. W. Wolfendale (2007) Cosmic Rays and Global Warming, Proceedings of the 2nd Carpathian Summer School of Physics on Exotic Nuclei and Nuclear Reactions, Sinaia (Romania), <https://aip.scitation.org/toc/apc/972/1>, @2007
1346. П. Тонев. Моделиране на разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане на степен на научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007
1347. Jean Lilensten, A. Belehaki, M. Messerotti, R. Vainio, Stefaan Poedts COST 724 final report: Developing the scientific basis for monitoring, modelling and predicting Space Weather, Editor: Jean Lilensten, Anna Belehaki, Mauro Messerotti, Rami Vainio, Jurgen Watermann, Stefaan Poedts, ISBN: 978-92-898-0044-0, @2008
1348. T. Sloan, A. W. Wolfendale (2008) Cosmic Rays and Global Warming, AIP Conference Proceedings 972, 328 (2008); <https://doi.org/10.1063/1.2870330>, @2008
1349. T. Sloan, A. W. Wolfendale (2008) Testing the proposed link between cosmic rays and cloud cover. Environmental Research Letters, 3 (April-June 2008) 024003, 3.631, @2008
1350. Tonev P. Electric Breakdown Occurrence in Atmosphere above Lightning - Impact of Conductivity and Discharge Parameters. C.R. Acad. bulg. Sci., 2008, 61, 3, 379-384, @2008
1351. Vainio R., D. Heynderickx. Monitoring, modeling and forecasting of the Earth's radiation environment. Developing the Scientific Basis for Monitoring, Modeling and Predicting Space Weather, COST 724 Final Report, 2008, COST Office, Brussels, pp. 91 - 98., @2008
1352. Vainio R., L. Desorgher, E. Flueckiger, I. Usoskin. An overview of the physics of the Earth's radiation environment. Developing the Scientific Basis for Monitoring, Modeling and Predicting Space Weather, Ed. J. Lilensten, COST 724 Final Report, 2008, COST Office, Brussels, pp. 99 - 109., @2008
1353. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1354. R. Vainio, D. Heynderickx. Monitoring, modeling and forecasting of the Earth's radiation environment. Acta Geophysica, 57, 1 / March, 53 - 63., @2009
1355. R. Vainio, L. Desorgher, E. Flueckiger, I. Usoskin. An overview of the physics of the Earth's radiation environment. Acta Geophysica, 57, 1 / March, 64 - 75., @2009
1356. Anna Belehaki, Francesco Lazzarotto (2011) Book of abstracts for ESWW8, Nov 2011, ESA Publishers, @2011
1357. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (8 citations - p. 1, 2, 3, 4, 5, 6, 7, 8), @2013
1358. S. Asenovski. PhD Thes. Autoref., ISRT, BAS Publishing House, Sofia, 2013., @2013
1359. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4861-0804038-46, @2016
1360. N. A. Kilfarska (1917) Hemispherical Asymmetry of the Lower Stratospheric O3 Response to Galactic Cosmic Rays Forcing, ACS Earth and Space Chemistry, 10.1021/acsearthspacechem.6b00009, Project: Geomagnetic field and climate variations., @2017
1361. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. Acad. bulg. Sci., 2017, 60, 3, 379-384, @2017
1362. Yavor Chapanov, Cyril Ron, Jan Vondrak (2017) Decadal cycles of Earth rotation, mean sea level and climate, excited by solar activity, March 2017 · Acta Geodynamica et Geotectonica, 241-250, DOI: 10.13168/AGG.2017.0007, @2017
1363. A. Stoev, P. Stoeva (2019) Cosmic ray and solar activity influences on long-term variations of cave climate systems, Aerospace Res. Bulg. 31, 61-70., @2019
1364. Bouzekova-Penkova A., P. Tzvetkov (2019) Investigation of Outer Space Influence on Structural Properties of Strengthened 7075 Aluminum Alloy. Experiments Onboard International Space Station, C. R. Acad. Bulg. Sci., 72 (7), 939-946., @2019
1365. Yavor Chapanov (2019) Solar influence on river streamflow, S E S 2019 - Fifteenth International Scientific Conference SPACE, ECOLOGY, SAFETY, 6-8 November 2019, pp. 275-280., @2019
1366. Anna Bouzekova-Penkova, Silviya Simeonova, Rositza Dimitrova, Rayna Dimitrova (2020) Structural Properties of Aluminium Alloy Enhanced by Nanodiamond and Carbon Nanotubes, Compt. rend. Acad. bulg. Sci., Vol 73, No9, pp.1270-1276., @2020
1367. Anna Bouzekova-Penkova, Yordan Mirchev (2020) Destructive and Nondestructive Testing of the Mechanical Properties of Aluminium Alloy Enhanced by Nanodiamond and Carbon Nanotubes, Space, Comptes rendus de l'Academie bulgare des Sciences, Vol. 73, No. 4, pp. 547-552., @2020
1368. Chapanov Ya., Ron C., Vondrák J. (2020) Solar Influence on Seismic Energy, Proceedings of the Twelfth Workshop "Solar Influences on the Magnetosphere, Ionosphere and the Lower Atmosphere and Climate, September, 2020, BAS Publishers, ISSN: 2367-7570, pp. 129-134., @2020
1369. Velichkova-Tasheva T. P. (2020) Influencing Factors for Global and Regional Climate Variability, PhD Thesis, National Institute of Geophysics, Geodesy and Geography, Section "Physics of the Ionosphere", NIGGG Publishers, 135 p., @2020
1370. Yavor Chapanov (2020) Solar Influence on River Streamflow, Project: Natural and anthropogenic factors of climate change – analyzes of global and local periodical components and long-term forecasts, Climate Atmosphere and Water Research Institute at Bulgarian Academy of Sciences, https://www.researchgate.net/publication/339875395_SOLAR_INFLUENCE_ON_RIVER_STREAMFLOW/stats#fullTextFileContent, @2020
1371. Yavor Chapanov, Victor Gorshkov (2020) Solar Activity and Cosmic Ray Influence on the Climate, Geomagnetism and Aeronomy, 59(7):942-949. DOI: 10.1134/S0013795X20010000, Project: Natural and anthropogenic factors of climate change – analyzes of global and local periodical components and long-term forecasts, @2020
1372. Chapanov Y. (2021) Anthropogenic and Solar Influence on Temperature over Bulgaria. In: Dobrinkova N., Gadzhev G. (eds) Environmental Protection and Disaster Prevention, Systems, Decision and Control, vol 361. Springer, Cham. https://doi.org/10.1007/978-3-030-70190-1_6, @2021
1373. Stavros Keppas, Daphne Parliari, Serafim Kontos, Melas Dimitrios (2021) Urban Heat Island and Future Projections: A Study in Thessaloniki, Greece, In book: Environmental Protection and Disaster Prevention, Systems, Decision and Control, vol 361. Springer, Cham. DOI: 10.1007/978-3-030-70190-1_14, @2021

1374. C.A. Varotsos, G.S. Golitsyn, Y. XueShow, T. Voronova (2023) On the relation between rain, clouds, and cosmic rays, March 2023Remote 10.1080/2150704X.2023.2190468, @2023 [Линк](#)
233. **Buchvarova M., Velinov P. I. Y..** (2005) Model of Galactic and Anomalous Cosmic Ray Spectrum in the Planetary Ionospheres. Ionization Effects in the Ionosphere and M Conference with International Participation "Space, Ecology, Safety, SES'2005" (Varna, 10-13.06), Vol. 1, BAS and BAF, 2005, pp. 44-49.
[Лумупа се в:](#)
1375. Space weather modeling, COST724 Action, Work. group 2, WG-2, 14/11/07. <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf>, @2007
234. **Tassev Y., Velinov P. I. Y., Tomova D..** (2005) Effect of Geomagnetic Activity on Ozone Profiles During Solar Minimum and Maximum. C. R. Acad. Bulg. Sci., 58, 5, 2005, 2133. ISI IF:1.409
[Лумупа се в:](#)
1376. К. Георгиева. Динамика на Слънцето и влиянието й върху слънчево-земните въздействия. Автореферат на дисертационен труд за присъждане образователната и научна специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2006., @2006
1377. К. Георгиева. Динамика на Слънцето и влиянието й върху слънчево-земните въздействия. Дисертационен труд за присъждане образователната и научна специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2006., @2006
1378. Vanio R., Space weather modeling, COST724 Action, Working group 2, WG-2, 14/11/07.<http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf>, @2007
1379. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1380. L. Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. C.R. Acad. bulg. Sci., 2010, 63, 4, 593 - 600. (Comptes rendus de l'Académie bulgare des Sciences), @2010
1381. Natalia Kilifarska, Mechanisms and Modelling of a 22-Year Cycle in the Stratospheric Winter Time Ozone Variability, Comptes rendus de l'Académie bulgare des Sciences, Vol. 64, No11, pp.1613-1622, @2013
1382. Natalya Kilifarska, Volodimir Bakhmutov, Galina Melnyk, Energetic Particles Influence on the Southern Hemisphere Ozone Variability, Comptes rendus de l'Académie bulgare des Sciences, Vol. 64, No11, pp.1613-1622, @2013
235. **Tassev Y., Yanev T., Velinov P. I. Y., Tomova D..** (2005) Influence of Solar Particle Event on 14 July 2000 upon Ozone Profiles in the Stratosphere. C. R. Acad. Bulg. Sci. (Comptes rendus de l'Académie bulgare des Sciences):0.21
[Лумупа се в:](#)
1383. Space weather modeling, COST724 Action, Working group 2, WG-2, 14/11/07. <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf>, @2007
1384. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1385. L. Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. C.R. Acad. bulg. Sci., 2010, 63, 4, 593 - 600. (Comptes rendus de l'Académie bulgare des Sciences), @2010
1386. Natalya A. Kilifarska, Long-term Variations in the Stratospheric Winter Time Ozone Variability 22-Year Cycle, Comptes rendus de l'Académie bulgare des Sciences, Vol. 64, No11, pp.1613-1622, @2013
236. **Buchvarova M., Velinov P. I. Y..** (2005) Modeling Spectra of Cosmic Rays Influencing on the Ionospheres of Earth and Outer Planets during Solar Maximum and Minimum. J. Space Weather and Space Climate, 2005, 2133. ISI IF:1.409
[Лумупа се в:](#)
1387. Dumas, M., Borie, J. C., Palau, M. C., & Guillet, N. (2005, September). Neutron spectra in the atmosphere: Influence of solar particle events. In Radiation and Its Effects in Space (RADECS 2005. 8th European Conference on (pp. PD4-1). IEEE. Date: 19-23 Sept. 2005, Location: Cap d'Agde, France., @2005
1388. Alexandrov, L., & Mishev, A. (2007). Application of afxy-code for parameterization of ionization yield function Y in the atmosphere for primary cosmic ray protons. arXiv preprint arXiv:0708.0001, @2007
1389. L. Alexandrov, Application of afxy-code for parameterization of ionization yield function Y for cosmic ray protons, Laboratory of Theoretical Physics, JINR, 141980 Dubna, @2007
1390. SPACE WEATHER MODELING. COST724 Action, Working group 2, WG-2, 14/11/07 <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf>, @2007
1391. L. Alexandrov, A. Mishev. Application of afxy-code for parameterization of ionization yield function Y in atmosphere for primary cosmic ray protons. JINR, arXiv preprint arXiv:0708.0001, @2008
1392. A.W.P. Thomson, S.J. Reay, E. Dawson (2009) Estimating the Extremes in European Geomagnetic Activity. Rep. P5.1 on Sixth European Space Weather Week, 16-19 June 2009 - sidc.oma.be, @2009
1393. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1394. Singhal, R. P. (2009) [Book] "Elements of Space Physics", PHI Learning Pvt. Ltd., New Delhi-110001, 312 p., @2009
1395. Natalya Kilifarska, Nonlinear Re-assessment of the Long-term Ozone Variability during 20th Century, Comptes rendus de l'Académie bulgare des Sciences, Vol 64, No11, pp.1613-1622, @2013
1396. R.P. Singhal. Elements Of Space Physics. PHI Learning Private Limited, M-97, New Delhi. (2 citations), @2011
1397. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, World Applied Sciences Journal 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5815/wasj.2016.34.3.312, @2016
1398. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics (IOSR-JAP), 8 (4) Ver. II (Jul. 2016), pp. 1-5, www.iosrjournals.org, @2016
1399. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, Middle-East Journal of Scientific Research, 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016

1400. Umahi, A. E. (2016) Variability of Galactic Cosmic rays Flux and Solar Activities in the Earth's Atmospheric Environment, American-Eurasian J. Agric. & Environ. Sci., 16(5), 10441-10444, DOI: 10.5829/idosi.aejas.2016.16.5.10441., @2016
1401. Umahi, A. E. (2016) Impact of High Energy Charged Galactic Particle Variations in the Earth's Atmosphere, Middle-East Journal of Scientific Research, 16(5), 2345-2346, DOI: 10.5829/idosi.mejsr.2016.24.05.23456, @2016
1402. Umahi, A. E. (2016) Impact of Space Radiation in the Earth's Atmosphere, American-Eurasian J. Agric. & Environ. Sci., 16(5), 868-873, DOI: 10.5829/idosi.aejas.2016.16.5.10441., @2016
1403. Umahi, A.E. (2016). Earth's Environmental Pollution from Galactic Cosmic Rays Flux, World Applied Science Journal, 34(3), 338-342, DOI: 10.5829/idosi.wasj.2016.34.3.338-342, @2016
1404. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udejaja, V.N., Anih, J.O., Onyia, A.I., Adieme, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, E. (2016) Cosmic Rays in the Atmosphere, IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), e-ISSN: 2319-2402, p- ISSN: 2319-2395, pp. 80-84, www.iosrjournals.org, @2016
237. Velinov P. I. Y., Mateev L.. (2005) Analytical Approach for Cosmic Ray Proton Ionization in the Lower Ionosphere and Middle Atmosphere. C. R. Acad. Bulg. Sci., 58, 5, 2005
- Lumupa ce 6:
1405. L. Desorgher, E. O. Flückiger, M. Gurtner (2005) The Planetocosmics Geant4 application, University Hospital of Lausanne, Institute of radiation physics, Lausanne, Switzerland, @2005
1406. L. Desorgher, E. O. Flückiger, M. Gurtner (2006) The Planetocosmics Geant4 application, https://www.researchgate.net/publication/241603312_The_Planetocosmics_Geant4_application/references, @2006
1407. Space weather modeling, COST724 Action, Work. group 2, WG-2, 14/11/07. http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf, @2007
1408. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1409. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (1 citations: p. 9), @2013
1410. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (2 citations - p. 2, @2013
1411. Panagiota Makrantonis, Anastasia Tezari, Argyris N. Stassinakis et al. (2022) Estimation of Cosmic-Ray-Induced Atmospheric Ionization and Radiation at Commercial Airports, Atmosphere, 13(11):5297, DOI: 10.3390/atm13115297, LicenseCC BY 4.0, @2022 [Линк](#)
1412. Aleksandra Kolarski, Nikola Veselinovi, Vladimir A. Srećković, Zoran Mijić, Mihailo Savić, Aleksandar Dragić (2023) Impacts of Extreme Space Weather Events on the Ionosphere, Remote Sens. 2023, 15(5), 1403; https://doi.org/10.3390/rs15051403, @2023 [Линк](#)
1413. Hiroshi Yasuda, Naoyuki Kurita, Kazuaki Yajima (2023) Verification of Estimated Cosmic Neutron Intensities Using a Portable Neutron Monitoring System in Antarctica, Atmosphere, 14(3):529, DOI: 10.3390/atm14030529, LicenseCC BY 4.0, @2023 [Линк](#)
238. Velinov P. I. Y., Kostov V., Mateev L.. (2005) Tables of the Ellipsoidal Chapman Function for Atmosphere of Relevance to Ionospheres of Jupiter and Saturn. C. R. Acad. Bulg. Sci. (Web of Science):0.21
- Lumupa ce 6:
1414. Space weather modeling, COST724 Action, Work. group 2, WG-2, 14/11/07. http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf, @2007
1415. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1416. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. p. 143, @2013
239. Velinov P. I. Y., Ruder H., Mateev L.. (2005) Analytical Model for Cosmic Ray Ionization by Nuclei with Charge Z in the Lower Ionosphere and Middle Atmosphere. C. R. Acad. Bulg. Sci. (Web of Science):0.21
- Lumupa ce 6:
1417. Contribution to Models JIRA, SIRA, and TIRA. Institut fuer Astronomie und Astrophysik, Abteilungen Theoretische Astrophysik and Computational Physics Auf der Morgenstelle 10, 72076 Tübingen, Germany, http://www.tat.physik.uni-tuebingen.de; www.tat.physik.uni-tuebingen.de/forschung/ag-bericht06.pdf, The 36th COSPAR Scientific Assembly, 16 – 23 July 2006, CO-16, @2006
1418. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1419. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (1 citation: p. 9), @2013
1420. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (2 citations - p. 2, @2013
1421. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics (IOSR-JAP), 8(4) Ver. II (Jul. - Dec. 2016), pp. 10-14, www.iosrjournals.org, @2016
240. Velinov P. I. Y., Ruder H., Mateev L.. (2005) Analytical Model for Cosmic Ray Helium Ionization in the Lower Ionosphere and Middle Atmosphere. C. R. Acad. Bulg. Sci. (Web of Science):0.21
- Lumupa ce 6:
1422. Institut fuer Astronomie und Astrophysik Abteilungen Theoretische Astrophysik and Computational Physics, Auf der Morgenstelle 10, 72076 Tübingen, Germany, http://www.tat.physik.uni-tuebingen.de/publikationen/nr-publikationen.html, @2005
1423. Mitteilungen der Astronomischen Gesellschaft No 88, Nachrufe Jahresberichte Astronomischer Institute fuer 2004, Hamburg 2005, Seiten 2, 15, 16, 778: (2 citations - p. 2, @2005

1424. Centre National de la Recherche Scientifique, CAT.INIST, cat.inist.fr/?aModele = afficheN&cpsidt = 9277985, © INIST Diffusion S.A., 2, allée du parc de Brabou, cat.inist.fr/?aModele = afficheN&cpsidt = 17222415, @2006
1425. Space weather modeling, COST724 Action, Work. group 2, WG-2, 14/11/07. <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf>, @2007
1426. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1427. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (2 citations - p. 2, 3), @2013
241. **Velinov P. I. Y.**, Ruder H., **Mateev L.** (2005) Analytical Model for Ionization Due to Cosmic Rays (200 - 5000 MeV) in the Planetary Ionospheres and Atmospheres. C. R. Acad. Bulg. Sci., JCR-IF (Web of Science):0.21
- Summary:
1428. Mitteilungen der Astronomischen Gesellschaft No 88, Nachrufe Jahresberichte Astronomischer Institute fuer 2004, Hamburg 2005, Seiten 2, 15, 16, 778: (2 citations - p. 15, 16), @2006
1429. Centre National de la Recherche Scientifique, CAT.INIST, cat.inist.fr/?aModele = afficheN&cpsidt = 9277985, © INIST Diffusion S.A., 2, allée du parc de Brabou, cat.inist.fr/?aModele = afficheN&cpsidt = 17222415, @2006
1430. Institut fuer Astronomie und Astrophysik Abteilungen Theoretische Astrophysik and Computational Physics, Auf der Morgenstelle 10, 72076 Tübingen, WWW: <http://www.tat.physik.uni-tuebingen.de/publikationen/nr-publikationen.html>, @2006
1431. Space weather modeling, COST724 Action, Work. group 2, WG-2, 14/11/07. <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2005.pdf>, @2007
1432. П. Тонев. Моделиране на разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане на научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007
1433. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1434. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (1 citation: p. 9), @2013
1435. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (2 citations - p. 2, 3), @2013
242. Desorgher L., Flueckiger E., Usoskin I., **Velinov P. I. Y.** (2005) Cosmic Ray Induced Ionization in the Earth's Atmosphere. In: A. Book - The Second European Space Weather Conference, Poster Session 4, European Space Research and Technology Centre (ESTEC), Noordwijk, The Netherlands, 2005, 150-151.
- Summary:
1436. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1437. H. Mavromichalaki, A. Papaioannou, C. Plainaki, C. Sarlanis et al. (2011) Applications and usage of the real-time Neutron Monitor Database. Advances in Space Research 62, 10.1016/j.asr.2010.02.019, @2011
243. **Tonev P.T., Velinov P. I. Y.** (2005) The role of atmospheric conductivity in appearance and parameters of breakdowns which precede red sprites above lightning discharges. Proceedings of 11-th International Scientific Conference 23-25 November, Dedicated to the International Year of Physics 2005, S.Panchev (Ed.), Publ. House of Bulgarian Academy of Sciences, Sofia, 2005, 1-5.
- Summary:
1438. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009

2006

244. **Velinov P. I. Y.**, Ruder H., **Mateev L.** (2006) Analytical Approach to Cosmic Ray Ionization by Nuclei with Charge Z in the Middle Atmosphere - Distribution of Galactic Cosmic Rays. Report C4.4-16 on the 36th Scientific Assembly of COSPAR, Beijing, China, 16 – 23 July, 2006, 1-15
- Summary:
1439. Institut fuer Astronomie und Astrophysik, Abteilungen Theoretische Astrophysik and Computational Physics Auf der Morgenstelle 10, 72076 Tübingen; WWW: www.tat.physik.uni-tuebingen.de/forschung/ag-bericht06.pdf, @2006
245. **Velinov P. I. Y.**, Ruder H., **Mateev L.**, Kostov V.. (2006) Ellipsoidal Chapman Function for Atmosphere of Relevance to Ionospheres of Jupiter, Saturn, and Titan. Contr. Report C4.4-16 on the 36th Scientific Assembly of COSPAR, Beijing, China, 16 – 23 July, 2006, 1-12
- Summary:
1440. Institut fuer Astronomie und Astrophysik, Abteilungen Theoretische Astrophysik and Computational Physics Auf der Morgenstelle 10, 72076 Tübingen; WWW: www.tat.physik.uni-tuebingen.de/forschung/ag-bericht06.pdf, @2006
246. **Velinov P. I. Y.**, Spassov C., **Mateev L.** (2006) Ionospheric Response to Unusual Solar Activity During the Period 18 October - 7 November 2003.. C. R. Acad. Bulg. Sci., 130, 1-5, @2006
- Summary:
1441. COST724 Action, Working group 2, WG-2, <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2006.pdf>, @2006

1442. COST Domain Committee «ESSEM», COST Action 724 Developing the basis for monitoring, modelling and predicting Space Weather Monitoring Progress Report, www.cost.esf.org/.../domain_files/METEO/Action_724/progress_report/progress_report (2 citations), @2007
1443. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1444. B. Srebrov, L. Pashova. Study of the ionospheric state over Sofia area during the geomagnetic storm in October 2003 using measured and modeled parameters. *Comptes Rendus de l'Académie Bulgare des Sciences*, 1419-1426., @2012
1445. Srebrov B., L. Pashova, O. Kounchev (2018) Study of Local Manifestations of G5 – Extreme Geomagnetic Storms (29+31 October, 2003) in Midlatitudes Using Geomagnetic Indices, *C. R. Acad. Bulg. Sci.*, 71(6), 803–811., @2018
247. Velinov P. I. Y., Kostov V., Mateev L.. (2006) Tables of the Ellipsoidal Chapman Function for Atmosphere of Relevance to Ionospheres of Uranus and Neptune. *C. R. Acad. Bulg. Sci.*, 1419-1426., IF:0.21
- Лумура се е:
1446. COST724 Action, Working group 2, WG-2, <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2006.pdf> COST Domain Committee «ESSEM», COST Action 724 Developing the basis for monitoring, modelling and predicting Space Weather, @2006
1447. Institut fuer Astronomie und Astrophysik, Abteilungen Theoretische Astrophysik and Computational Physics Auf der Morgenstelle 10, 72076 Tübingen, WWW: www.tat.physik.uni-tuebingen.de/forschung/ag-bericht06.pdf, @2007
1448. J. Liliensten. Monitoring Progress Report, Period: 09/10/2002 - 23/11/2007 www.cost.esf.org/.../domain_files/METEO/Action_724/progress_report/progress_report (2 citations), @2007
1449. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1450. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. p. 143, @2013
248. Ruder H., Velinov P. I. Y., Mateev L.. (2006) Interval Coupling of Cosmic Ray Protons in Ionization Model for Planetary Ionospheres and Atmospheres. *C. R. Acad. Bulg. Sci.*, 1419-1426., IF:0.21
- Лумура се е:
1451. COST724 Action, Working group 2, WG-2, <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2006.pdf> COST Domain Committee «ESSEM», COST Action 724 Developing the basis for monitoring, modelling and predicting Space Weather, @2006
1452. Mitteilungen der Astronomischen Gesellschaft No 89, Nachrufe Jahresberichte Astronomischer Institute fuer 2005, Hamburg 2006. Tübingen, Institut fuer Astronomie und Astrophysik, Abteilungen Theoretische Astrophysik and Computational Physics, Auf der Morgenstelle 10, 72076 Tübingen, WWW: <http://www.tat.physik.uni-tuebingen.de/forschung/ag-bericht06.pdf>, @2006
1453. J. Liliensten. MONITORING PROGRESS REPORT Period: 09/10/2002 - 23/11/2007 www.cost.esf.org/.../domain_files/METEO/Action_724/progress_report/progress_report (2 citations), @2007
1454. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1455. A. Belchaki, A. Glover, M. Hapgood, J.-P. Luntama, R. Van der Lind et al. (2011) Programme and Abstract Book for 8th European Space Weather Week (ESWW8) 2008, Palais de Congres the Namur, Namur, Belgium, ESA Publishers, 106 p., @2011
1456. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [14 citations - p. 143], @2013
249. Velinov P. I. Y., Ruder H., Mateev L.. (2006) Interval Coupling of Cosmic Ray Nuclei with Charge Z in Ionization Model for Planetary Ionospheres and Atmospheres. *C. R. Acad. Bulg. Sci.*, 1419-1426., IF:0.21
- Лумура се е:
1457. COST724 Action, Working group 2, WG-2, <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2006.pdf>, @2006
1458. Mitteilungen der Astronomischen Gesellschaft No 89, Nachrufe Jahresberichte Astronomischer Institute fuer 2005, Hamburg 2006., @2006
1459. Centre National de la Recherche Scientifique, CAT.INIST, cat.inist.fr/?aModele=afficheN&cpsidt=9277985, © INIST Diffusion S.A., 2, allée du parc de Brabois, 54600 Sarrailleville, @2007
1460. COST Domain Committee «ESSEM», COST Action 724 Developing the basis for monitoring, modelling and predicting Space Weather Monitoring Progress Report, www.cost.esf.org/.../domain_files/METEO/Action_724/progress_report/progress_report (2 citations), @2007
1461. Institut fuer Astronomie und Astrophysik, Abteilungen Theoretische Astrophysik and Computational Physics Auf der Morgenstelle 10, 72076 Tübingen, WWW: www.tat.physik.uni-tuebingen.de/forschung/ag-bericht06.pdf, @2007
1462. П. Тонев. Моделиране на разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане образователна степен на магистър. Научната специалност Физика на околоземното пространство, ЦЛСЗВ БАН, София, 2007., @2007
1463. WorldWideScience.org: <http://worldwidescience.org/topicpages/i/ionization.html>, @2008
1464. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1465. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (4 citations: p. 1, 6, 9, 26), @2013
1466. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [15 citations - p. 32, 33], @2013

1467. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. Acad. Bulg. Sci., 59, 8, 2006, 847-854. ISI IF:0.21
- Lumupa ce 6:
1468. Mitteilungen der Astronomischen Gesellschaft No 89, Nachrufe Jahresberichte Astronomischer Institute fuer 2005, Hamburg 2006., @2006
1469. COST Domain Committee «ESSEM», COST Action 724: Developing the basis for monitoring, modelling and predicting Space Weather, Monitoring Progress F www.cost.esf.org/.../domain_files/METEO/Action_724/progress_report/progress_report (2 citations), @2007
1470. Institut fuer Astronomie und Astrophysik, Abteilungen Theoretische Astrophysik and Computational Physics Auf der Morgenstelle 10, 72076 Tubingen, WWW www.tat.physik.uni-tuebingen.de/forschung/ag-bericht06.pdf, @2007
1471. П. Тонев. Моделиране разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане образ на научната специалност Физика на околоземното пространство, ЦПСЗВ БАН, София, 2007., @2007
1472. European Space Weather Portal - Models and Data. Velinov, PIY, Mateev, L.: ca724wg1.ts.astro.it/ca724_/ca_edit.php?id = 73&m = 1&e = 0, Presentation of Velinov
1473. P.T. Tonev. Electric Breakdown Occurrence in Atmosphere above Lightning - Impact of Conductivity and Discharge Parameters. C.R. Acad. bulg. Sci., 2008, 61, 3, 37-46
1474. WorldWideScience.org: http://worldwidescience.org/topicpages/i/ionization+losses+function.html, @2008
1475. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
1476. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [8 citations - p. 2, 46], @2013
1477. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics (IOSR-JAP), 8 (4) Ver. II (Jul. - Dec. 2016), www.iosrjournals.org, @2016
251. Velinov P. I. Y., Mateev L.. (2006) Ionization by Cosmic Ray Nuclei with Charge Z in Three Energy Interval Model for Planetary Ionospheres and Atmospheres. C. R. Acad. Bulg. Sci., 59, 8, 2006, 1245-1252. ISI IF:0.21
- Lumupa ce 6:
1478. COST724 Action, Working group 2, WG-2, http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2006.pdf, @2006
1479. COST Domain Committee «ESSEM», COST Action 724 Developing the basis for monitoring, modelling and predicting Space Weather, Monitoring Progress F www.cost.esf.org/.../domain_files/METEO/Action_724/progress_report/progress_report (2 citations), @2007
1480. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
1481. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing Hause, Sofia, 2013. 1 citations: p. 9, @2013
1482. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [11 citations - p. 2, 46], @2013
252. Velinov P. I. Y., Mateev L.. (2006) Determination of Cosmic Ray Ionization Profiles in the System Ionosphere-Atmosphere During Periods of Solar Maximum and Solar Minimum. C.R. Acad. Bulg. Sci., 59, 8, 2006, 1245-1252. ISI IF:0.21
- Lumupa ce 6:
1483. COST724 Action, Working group 2, WG-2, http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2006.pdf, @2006
1484. П. Тонев. Моделиране разпределението на електрическите полета от заредени облаци в ниската йоносфера. Дисертационен труд за присъждане образ на научната специалност Физика на околоземното пространство, ЦПСЗВ БАН, София, 2007., @2007
1485. P. Tonev. Electric Breakdown Occurrence in Atmosphere above Lightning - Impact of Conductivity and Discharge Parameters. C.R. Acad. bulg. Sci., 2008, 61, 3, 37-46
1486. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
1487. Teodosiev Dimitar; Yordanova Emiliya; Nenovski Petko; et al. Ion Temperature Distribution in the High- Latitude Region (Eiscat UHF Radar Observations). What Comptes Rendus de L Academie Bulgare des Sciences: 64 (5), 729-736. Published: 2011., @2011
1488. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing Hause, Sofia, 2013. (1 citations: p. 9), @2013
1489. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (4 citations - p. 2, 46), @2013
253. Velinov P. I. Y., Ruder H., Mateev L., Kostov V.. (2006) 3D Modeling of Cosmic Ray Ionization in the Oblate Giant Planet Atmospheres, Approximated by Rotation Ellipsoids and compared on Recent Observations and Simulations of the Sun-Earth System (ISROSES), Varna, 17-22 September 2006, Progr. and Abstr. Book, Heron Press Ltd., Sofia, 2006, p.14-15
- Lumupa ce 6:
1490. Institut fuer Astronomie und Astrophysik, Abteilungen Theoretische Astrophysik and Computational Physics Auf der Morgenstelle 10, 72076 Tubingen, WWW www.tat.physik.uni-tuebingen.de/forschung/ag-bericht06.pdf, @2007
254. Mateev L., Velinov P. I. Y., Ruder H.. (2006) Transport and Loss of Galactic and Solar Cosmic Rays in the Middle Atmosphere. Modeling the Distribution of Ionization Effects and compared on Recent Observations and Simulations of the Sun-Earth System (ISROSES), Varna, 17-22 September, Programme and Abstracts Book, Heron Press Ltd., Sofia, 2006, p.14-15

Лумупа се е:

1491. Institut fuer Astronomie und Astrophysik, Abteilungen Theoretische Astrophysik and Computational Physics Auf der Morgenstelle 10, 72076 Tübingen, WWW: www.tat.physik.uni-tuebingen.de/forschung/ag-bericht06.pdf, @2007

255. Buchvarova M., Velinov P. I. Y.. (2006) Cosmic Rays and 11-Year Solar Modulation. Sun and Geosphere, 1, 1, 2006, 27-30

Лумупа се е:

1492. Vanio R., Progress Report COST724 Action, Working group 2, WG-2, <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2006.pdf>, @2006

1493. Lilensten J., Vanio R., Belehaki A., Progress Report COST Domain Committee «ESSEM», COST Action 724 Developing the basis for monitoring, modelling and prediction 09/10/2002 - 23/11/2007 www.cost.esf.org/.../domain_files/METEO/Action_724/progress_report/progress_report (2 citations), @2007

1494. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009

1495. Hiremath, K. M. Solar Forcing on the Changing Climate. Sun and Geosphere, 2009 vol.4, no.1, p.16-21., @2009

1496. K. M. Hiremath (2009) Solar Forcing on the Changing Climate, Solar and Stellar Astrophysics (astro-ph.SR), arXiv:0906.3110 [astro-ph.SR], Subjects: Solar and Stellar Astrophysics, p., @2009

1497. Thomson, Alan W P; Reay, Sarah J; Dawson, Ewan (2009) Estimating the Extremes in European Geomagnetic Activity, Rep. P5.1 on the Sixth European Space Weather Conference: Space Weather Models: from Research to Applications (10), 16-20 November, 2009 - Brugge, Belgium. (sidc.oma.be), @2009

1498. Pavel P Povinec, J. Masarik, Ivan Šýkora et al. (2015) Cosmogenic nuclides in the Košice meteorite: Experimental investigations and Monte Carlo simulations, Meteoritics and Planetary Science, 50, 10.1111/maps.12380, @2015 [Линк](#)

1499. Falayi, E. O., Adepitan, J. O., Giwa, K., Ayanda, J. D., Ogunsanwo, F. O. (2016). CHANGES IN METEOROLOGICAL PARAMETERS IN NIGERIA BY DIFFERENT MANIFESTATIONS OF CLIMATE ACTIVITIES. Journal of Applied Science & Technology . 2016, Vol. 21 Issue 1/2, p. 42-48. 7p., @2016

1500. Elijah Falayi, J. O. Adepitan, Kunle Giwa, J D Ayanda, F. O. Ogunsanwo (2018) CHANGES IN METEOROLOGICAL PARAMETERS IN NIGERIA BY DIFFERENT MANIFESTATIONS OF CLIMATE ACTIVITIES, July 2018, Research https://www.researchgate.net/publication/326191271_CHANGES_IN_METEOROLOGICAL_PARAMETERS_IN_NIGERIA_BY_DIFFERENT_MANIFESTATIONS_OF_CLIMATE_ACTIVITIES

1501. I. G. Usoskin, Sergey Koldobskiy, Gennady Kovaltsov, Agnieszka Gil, I. Usoskina, Teemu Willamo (2020) Revised GLE database: Fluences of solar energetic particles at Earth from the neutron monitor network since 1956, Astronomy and Astrophysics, 640, DOI: 10.1051/0004-6361/202038272, @2020

1502. Robert McTaggart (2021) The cosmogenic production of phosphorus in the atmosphere of Venus, Icarus 374(4):114791, DOI: 10.1016/j.icarus.2021.114791, @2021

1503. Zakeri M., Yu-Feng Zhou (2021) Constraining Time Dependent Dark Matter Signals from the Sun, ArXiv: 2109.11662v1 [hep-ph] 23 Sep 2021, pp 1-28., @2021

1504. Zakeri Mohammadreza, Yu-Feng Zhou (2021) Constraining Time Dependent Dark Matter Signals from the Sun, September 2021, pp. 1-28, License - CC BY-SA 4.0

1505. Mohammadreza Zakeri, Yu-Feng Zhou (2022) Constraining time dependent dark matter signals from the Sun, Journal of Cosmology and Astroparticle Physics, 2022

256. Buchvarova M., Velinov P. I. Y.. (2006) Empirical Model for Determination of the Cosmic Ray Spectra. Sun and Geosphere, 1, 2, 2006, 28-31

Лумупа се е:

1506. COST724 Action, Working group 2, WG-2. <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2006.pdf>, @2006

1507. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009

257. Buchvarova M., Velinov P. I. Y.. (2006) Galactic and Low-Energy Anomalous Cosmic Rays Transport in the Heliosphere. Space, Ecology, Nanotechnology, Safety, SENS'06 International Participation (Varna, 14-16 June), BAS and BAF, <http://www.space.bas.bg/astro/ses2006/Cd/Ph13.pdf>, 2006, pp. 1-6

Лумупа се е:

1508. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009

258. Buchvarova M., Velinov P. I. Y., Kobylinski Z.. (2006) Cosmic Ray Modeling during 11-Year Solar Cycle. Comparison with the transport equation and force field approximation. Observations and Simulations of the Sun-Earth System (ISROSES), Varna, 17-22 September, Programme and Abstr. Book, Heron Press Ltd., Sofia, 2006, p. 14, 33.

Лумупа се е:

1509. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009

259. Tashev Y., Velinov P. I. Y., Tomova D.. (2006) Increase of Stratospheric Ozone in Pfozter Maximum Due to Solar Energetic Particles During Ground Level Enhancement Events. R. Acad. Bulg. Sci., 59, 11, 2006, 1153-1158. ISI IF:0.21

Лумупа се е:

1510. COST724 Action, Working group 2, WG-2, <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2006.pdf>, @2006

1511. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009

1512. L.N. Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. C.R. Acad. bulg. Sci., 2010, 63, 4, 593 - 600

1513. Natalya A. Kilifarska, Long-term Variations in the Stratospheric Winter Time Ozone Variability 22-Year Cycle, Comptes rendus de l'Academie bulgare des Sciences, 1514. Bojilova R., P. Mukhtarov (2019) Response of Total Electron Content to the Three G4 – Severe Geomagnetic Storms in January 2005 Associated with Cosmic Ray Bulg. Sci., 72, 9, BAS, 1244-1250. DOI: 10.7546/CRABS.2019.09.12, @2019
1515. Kilifarska N. (2019) Latitudinal dependence of the stratospheric ozone and temperature response to solar particles' forcing on 20 January 2005, Aerospace Res. Bulg. Sci., 74 (2), 2019
1516. P. Mukhtarov, R. Bojilova (2021) Accuracy Assessment of the Ionospheric Critical Frequencies Reconstructed by TEC over Bulgaria, C. R. Acad. Bulg. Sci., 74 (2), 2021
260. **Velinov P. I. Y..** (2006) Advancing our Understanding of the Cosmic Ray Processes that Govern the Solar Influence on Earth and Planets. Sun and Geosphere, 1 (1), 2006
- Лумупа се е:
1517. Space weather modeling, COST724 Action, Working group 2, WG-2, <http://theory.physics.helsinki.fi/~space/cost724/pubs-wg2-2006.pdf>, @2006
1518. 5 COST Domain Committee «ESSEM», COST Action 724, Developing the basis for monitoring, modelling and predicting Space Weather. Monitoring Progress www.cost.esf.org/.../domain_files/METEO/Action_724/progress_report/progress_report (3 citations), @2007
1519. A. Mishev, A. Bouklijski, L. Visca, O. Borla, J. Stamenov, A. Zanini. Recent Cosmic Ray Studies with Lead Free Neutron Monitor at Basic Environmental Observatory, 3(1): 26-28., @2008
1520. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1521. L. Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. C.R. Acad. bulg. Sci., 2010, 63, 4, 593 - 600. (3 citations), @2010
1522. Natalya Kilifarska, Nonlinear Re-assessment of the Long-term Ozone Variability during 20th Century, Comptes rendus de l'Academie bulgare des Sciences, Vol 64, 2010, 63, 4, 593 - 600. (3 citations), @2010
1523. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (1 citations: p. 23), @2013
1524. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (4 citations - p. 2, 3, 4, 5), @2013
1525. SS Kumar, R Rengaiyan. Cosmic Ray Influenced Reduction of Oceanic pH During Solar Eclipse. Journal of Advanced Science & Engineering Research, 3.2, 2013., 2013, 3.2, 2013., @2013
1526. Didebulidze, G. G., Todua, M. (2015) The inter-annual distribution of cloudless days and nights in Abastumani: Coupling with cosmic factors and climate change. Journal of Physics, 141, 48-55., @2015
1527. Safinaz A. Khaled, Luc Dame. , Amira Shimeis, Shahinaz Yousef, M. A. Semeida et al. (2023) Statistical study of confined filament/prominence eruptions during solar minimum. Solar Wind, 1384-1392. DOI:10.7546/CRABS.2023.09.09, @2023 [Линк](#)
261. **Velinov P. I. Y..** (2006) Cosmic Ray Influence on the System Ionosphere - Atmosphere through Ionization, Chemical and Electrodynamical Processes. CR as Key Governing the Ionosphere on the International Symposium on Recent Observations and Simulations of the Sun-Earth System (ISROSES), Varna, 17-22 September, Programme and Abstracts Book, p.7-10. Heron Press Ltd., Sofia, 2006, pp. 1-33.
- Лумупа се е:
1528. Tsvetelina Velichkova, Natalya Kilifarska (2020) Inter-decadal Variations of the ENSO Climatic Mode and Lower Stratospheric Ozone, Comptes rendus de l'Academie bulgare des Sciences, 73, 1, 539-546., @2020
1529. Velichkova-Tasheva T. P. (2020) Influencing Factors for Global and Regional Climate Variability, PhD Thesis, National Institute of Geophysics, Geodesy and Geography, Section "Physics of the Ionosphere", NIGGG Publishers, 135 p., @2020
1530. Velichkova Ts. P. , N. A. Kilifarska (2022) Extra-terrestrial influence on climate variability, Journal of Physics Conference Series, 2255(1):012012, DOI: 10.1088/1742-6596/2255/1/012012, @2022
-
- ## 2007
-
262. **Velinov P. I. Y., Mateev L..** (2007) Cosmic Ray Ionization Model in Ionosphere and Atmosphere for Particles with Charge Z and 4 Interval Approximation of the Ionization Cross Section. C. R. Acad. Bulg. Sci., 60, 2, 2007, 133-140. ISI IF:0.106
- Лумупа се е:
1531. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1532. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (5 citations: p. 1, 6, 9, 18, 26), @2013
1533. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (20 citations - p. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20), @2013
1534. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. Acad. Bulg. Sci., 60, 2, 2017, 133-140. ISI IF:0.106
263. **Velinov P. I. Y., Mateev L..** (2007) Energy Transformation for Cosmic Ray Protons During Their Penetration Through the Planetary Atmospheres. C. R. Acad. Bulg. Sci., 60, 2, 2007, 133-140. ISI IF:0.106
- Лумупа се е:
1535. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1536. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (2 citations: p. 9, 26), @2013

1537. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [18 citations - p. 135], @2013
264. Velinov P. I. Y., Mateev L.. (2007) Ionization model for cosmic ray protons in ionosphere and atmosphere with 5 interval approximation of the ionization losses function. C. R. Acad. Bulg. Sci., 60, 3, 2007, 225-230. [Lumupa ce e:](#)
1538. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1539. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (2 citations: p. 9, 26), @2013
1540. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [17 citations - p. 135], @2013
265. Mishev A., Velinov P. I. Y.. (2007) Atmosphere Ionization Due to Cosmic Ray Protons Estimated with CORSIKA Code Simulations. C. R. Acad. Bulg. Sci., 60, 3, 2007, 225-230. [Lumupa ce e:](#)
1541. Desorgher, E. Flückiger, M. Gurtner (2006) The Planetocosmics Geant4 application https://www.researchgate.net/publication/241603312_The_Planetocosmics_Geant4_application/references, @2006
1542. I. Usoskin. Proc. ICRC, Merida, Mexico. Microsoft Word - ICRC0916.doc [PDF-484K], Aug 2007 [<http://dpnc.unige.ch/ams/ICRC-07/icrc0916.pdf>], @2007
1543. L. Alexandrov, Application of afxy-code for parameterization of ionization yield function Y in the atmosphere for primary cosmic ray protons, Laboratory of Theoretical Physics, Sofia, Bulgaria, arXiv:0712.3174v3 (2 citations), @2008
1544. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1545. A.K.Singh, Devendraa Siingh, R.P.Singh (2011) Impact of galactic cosmic rays on Earth's atmosphere and human health, Atmospheric Environment, Volume 45, 10, 2011, 1811-1820, <https://doi.org/10.1016/j.atmosenv.2011.04.027>, @2011
1546. D. Pancheva, Ed. National report on geodetical and geophysical activities in Bulgaria 2007-2011, Prepared for the XXVth IUGG General Assembly Melbourne, Australia, by the national Committee of geodesy and geophysics, Sofia, June 2011, Bulgaria., @2011
1547. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4860-08043846, @2016
1548. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, World Applied Sciences Journal 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5829/idosi.wasj.2016.34.03.312317, @2016
1549. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, Middle-East Journal of Scientific Research 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
1550. Umahi, A. E. (2016) Impact of High Energy Charged Galactic Particle Variations in the Earth's Atmosphere, Middle-East Journal of Scientific Research 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23456, @2016
1551. Umahi, A. E. (2016) Impact of Space Radiation in the Earth's Atmosphere, American-Eurasian J. Agric. & Environ. Sci., 16 (5), 868-873, DOI: 10.5829/idosi.aejas.2016.16.05.868873, @2016
1552. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udejaja, V.N., Anih, J.O., Onyia, A.I., Adieme, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, E. (2016) Cosmic Rays in the Atmosphere, IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), e-ISSN: 2319-2402, p- ISSN: 2319-2397, pp. 80-84, www.iosrjournals.org, @2016
266. Velinov P. I. Y., Mishev A.. (2007) Cosmic Ray Induced Ionization in the Atmosphere Estimated with CORSIKA Code Simulations. C. R. Acad. Bulg. Sci., 60, 5, 2007, 493-500. [Lumupa ce e:](#)
1553. L. Desorgher, E. O. Flückiger, M. Gurtner (2005) The Planetocosmics Geant4 application, University Hospital of Lausanne, Institute of radiation physics, Lausanne, Switzerland, p., @2005
1554. L. Desorgher, E. Flückiger, M. Gurtner (2006) The Planetocosmics Geant4 application https://www.researchgate.net/publication/241603312_The_Planetocosmics_Geant4_application/references, @2006
1555. Bazilevskaya, G.A., I.G. Usoskin, E. O. Flueckiger, R. G. Harrison, L. Desorgher, R. Buetikofer, M. B. Krainev, V.S. Makhmutov, Y.I. Stozhkov, A.K. Svirzhetskaya (2008) Cosmic Ray Induced Ion Production in the Atmosphere, Space Sci. Rev., 137, 149-173, 2008., @2008
1556. European Space Weather Portal - Models and Data: 1) Velinov PIY, and A. Mishev. Cosmic Ray Induced Ionization. ca724wg1.ts.astro.it/ca724/_ca_edit.php?id=1&model=Velinov-Mishev_model, @2008
1557. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1558. de Witt T. D., J. Watermann (2009) Solar forcing of the terrestrial atmosphere, arXiv:0905.1812v1 [physics-space-ph] 12 May 2009, <https://arxiv.org/pdf/0905.1812.pdf>, @2009
1559. Vainio, R., Desorgher, L., Heynderickx, D., Storini, M., Flückiger, E., Horne, R.B., Kovaltsov, G.A., Kudela, K., Laurenza, M., McKenna-Lawlor, S., Rothkaehl, H. (2009) Cosmic ray particle radiation environment. Space Science Reviews, 147, 3-4, November 2009, 187-231., @2009
1560. Dorman L. I. Cosmic ray variations and space weather Conference: Annual Scientific Session of the Physical Sciences Division of the Russian-Academy-of-Sciences, Moscow, Russia, Sponsor(s): Russian Acad Sci Source: Physics-Uspekhi Volume: 53 Issue: 5 Pages: 496-503 DOI: 10.3367/UFNe.0180.201005g.0509 Published: MAY 2010 (2 citations), @2010
1561. Singh, A. K., Siingh, D., & Singh, R. P. (2010). Space weather: physics, effects and predictability. Surveys in geophysics, 31(6), 581-638., @2010
1562. T. Dudok de Witt, J. Watermann (2010) Solar forcing of the terrestrial atmosphere Comptes Rendus Geoscience, Volume 342, Issues 4-5, April-May 2010, Pages 25-34, @2010

1563. Usoskin, I. G., G. A. Kovaltsov, and I. A. Mironova, Cosmic ray induced ionization model CRAC:CRIL: An extension to the upper atmosphere, JOURNAL OF GEOPHYSICAL RESEARCH, doi:10.1029/2009JD013142, 2010., @2010
1564. A.K. Singh, D. Singh, R.P. Singh. Impact of galactic cosmic rays on Earth's atmosphere and human health. Atmospheric Environment, 45(23) 2011, 3806-3818., @2011
1565. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
1566. Firoz K. A.; Moon Y. -J.; Cho K. -S.; et al. On the relationship between ground level enhancement and solar flares. J. Geophys. Res.-Space Physics V.: 116 Article Number 12301, doi:10.1029/2010JGRL014301, Publ.:Apr. 1 2011, @2011
1567. Orlov A. B.; Uvarov A. N. Lower ionosphere model for noon quiet conditions and conditions of sudden ionospheric disturbances according to the data on VLF propagation measurements. J. Geophys. Res. 116, 51 Issue: 1 pp. 78-87 DOI: 10.1134/S0016793211010105 Published: FEB 2011 (2 citations), @2011
1568. Teodosiev Dimitar; Yordanova Emiliya; Nenovski Petko; et al. Ion temperature distribution in the high-latitude region (EISCAT UHF radar observations). What is the role of the ionosphere? Rendus De L Academie Bulgare Des Sciences Volume: 64 Issue: 5 Pages: 729-736 Published: 2011, @2011
1569. Tonev P. (2011) Electric response of high latitudinal middle atmosphere to solar wind characteristics studied by model simulations. SES 2011, Seventh Scientific Conference on SPACE, ECOLOGY, SAFETY, 29 November – 1 December 2011, BAS Publishing, Sofia, pp. 49-54. (3 citations), @2011
1570. A. Dragic, I. Anicin, R. Banjanac, V. Udovicic, D. Jokovic, D. Maletic, M. Savic, N. Veselinovic, J. Puzovic (2012) DTR deviation index and cosmic-rays, Proc. of 2nd International Conference on Cosmic Rays, Moscow, Russia, July, 3-7, 2012. ftp://pgia.ru/Balabin/CoFerentia/2012/VKKL/ECRS2012-Proc/ecrs_geo_630.pdf, @2012
1571. L. Alexandrov (2012) Application of afxy-code for parameterization of ionization yield function Y in the atmosphere for primary cosmic ray protons, Laboratory of Theoretical Physics, Moscow, Russia arXiv:0712.3174v3 (2 citations), @2012
1572. Tonev P. (2012) Electric response of high latitudinal middle atmosphere to solar wind characteristics studied by model simulations. SES 2011, Seventh Scientific Conference on SPACE, ECOLOGY, SAFETY, 29 November – 1 December 2011, BAS Publishing, Sofia, pp. 49-54., @2012
1573. Tonev P. 2012, Estimation of Currents in Global Atmospheric Electric Circuit with Account of Transpolar Ionospheric Potential. C.R. Acad. bulg. Sci., 65, 10., @2012
1574. Natalya Kilifarska, An Autocatalytic Cycle for Ozone Production in the Lower Stratosphere Initiated by Galactic Cosmic Rays, Comptes rendus de l'Académie Bulgare des Sciences, 252, @2013
1575. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (4 citations: p. 5, 7, 18, 26), @2013
1576. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [8 citations - p. 2, 3, 4, 5, 6, 7, 8, 9], @2013
1577. A.K. Singh, R.P. Singh, D. Singh (2014) Solar Variability, Galactic Cosmic Rays and Climate: A Review. Earth Science India, eISSN: 0974 – 8350, ISSN: 0974 – 8350, <http://www.earthscienceindia.info/>, @2014
1578. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4866-08043846, @2016
1579. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, World Applied Sciences Journal 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5829/10.5829/idosi.wasj.2016.24.05.23457., @2016
1580. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, Middle-East Journal of Scientific Research 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
1581. Umahi, A. E. (2016) Variability of Galactic Cosmic rays Flux and Solar Activities in the Earth's Atmospheric Environment, American-Eurasian J. Agric. & Environ. Sci. 10.5829/idosi.aejas.2016.16.5.10441., @2016
1582. Umahi, A. E. (2016) Impact of High Energy Charged Galactic Particle Variations in the Earth's Atmosphere, Middle-East Journal of Scientific Research 10.5829/idosi.mejsr.2016.24.05.23456, @2016
1583. Umahi, A.E. (2016). Earth's Environmental Pollution from Galactic Cosmic Rays Flux, World Applied Science Journal, 34 (3), 338-342, DOI: 10.5829/idosi.wasj.2016.24.05.23457., @2016
1584. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udeaja, V.N., Anih, J.O., Onyia, A.I., Adiemi, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, E. (2016) Cosmic Rays in the Atmosphere, IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), e-ISSN: 2319-2402, p-ISSN: 2319-2396, pp. 80-84, www.iosrjournals.org, @2016
1585. Daniela-Rodica Mitrea, Simona Clichici (2018) Antioxidant protection against cosmic radiation-induced oxidative stress at commercial flight altitude, Journal of physiology and biochemistry of the Polish Physiological Society 69(4), 1-9. DOI: 10.26402/jpp.2018.4.03, @2018
1586. Binod Adhikari, Bidur Kaphle, Niraj Adhikari, Sanam Limbu, Aashish Sunar, Roshan Kumar Mishra, Sarala Adhikari (2019) Analysis of cosmic ray, solar wind energy and ionospheric total electron content during solar superstorm of November 18–22, 2003, SN Applied Sciences, 1:453, pp. 1-11, A Springer Nature journal, https://doi.org/10.1007/s41185-019-0008-8, @2019
1587. Anastasia Tezari, Pavlos Paschalis, Helen Mavromichalaki, Pantelis Karaikos, Norma Crosby, Mark Dierckx (2020) Assessing Radiation Exposure Inside the European Space Agency's Space Station, Dosimetry, 190 (4), July 2020, 427–436, <https://doi.org/10.1093/rpd/ncaa112> academic.oup.com, @2020 [Линк](#)
1588. Amélie Cohu, Matías Tramontini (2022) Atmospheric and Geodesic Controls of Muon Rates: A Numerical Study for Muography Applications, Instruments 6(3), LicenseCC BY 4.0, @2022 [Линк](#)
1589. Mauro Satta, Matteo Carmen Castrovilli, Francesca Nicolanti (2022) Perspectives of Gas Phase Ion Chemistry: Spectroscopy and Modeling, Condensed Matter Physics, LicenseCC BY 4.0, @2022

267. **Tonev P., Velinov P. I. Y..** (2007) Atmosphere-ionosphere vertical electric coupling above thunderstorms of different intensity. (Review paper). J. Atmos. Solar-Terr. Phys. 69, ISSN:1364-6826, pp. 2510-2522.. SJR:0.934, ISI IF:1.506

Литература:

1590. Newsletters on atmospheric electricity. Vol. 18 no. 2. International commission on atmospheric electricity. (IAMAS/IUGG). November 2007. AMS Committee on Atmospheric and Space Electricity. [www.iamas.org/PDF/20files/NEWSLETTER/20from/20ICAIE\(November2007\).pdf](http://www.iamas.org/PDF/20files/NEWSLETTER/20from/20ICAIE(November2007).pdf), @2007

1591. Florian Mandija, F. Vila (2008) Research Activity by Institution, Electricity Group, Departments of Physics, University of Shkodra and Tirana, Albania, Newsletter May 2008, Pages 9 & 28. International Commission on Atmospheric Electricity (IAMAS/IUGG), AGU COMMITTEE ON ATMOSPHERIC AND SPACE ELECTRICITY
 1592. Pektaş, R., Özgüç, A., & Ataç, T. (2008). Ionospheric foF2 data and its response to solar activity cycles 21, 22, and 23. *Солнечно-земная физика*, (12-2), 246-247.
 1593. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
 1594. Kumar, V.V., Parkinson, M.L., Dyson, P.L., Burns, G.B., Thunderstorm-associated responses in the vertical motion of the mid-latitude F-region ionosphere, *Journal of Geophysical Research: Space Physics* 115 (8-9), 2009, pp. 787-793., @2009 [Линк](#)
 1595. Mateev, L., Simulation of ionization profiles of cosmic rays in the middle atmosphere during moderate solar activity, *Comptes Rendus de L'Academie Bulgare des S* (2 citations), @2010 [Линк](#)
 1596. Rycroft, M.J., Odzimek, A., Effects of lightning and sprites on the ionospheric potential, and threshold effects on sprite initiation, obtained using an analog model *Journal of Geophysical Research: Space Physics* 115 (6), A00E37, Pages: 2510-2522., @2010 [Линк](#)
 1597. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BA Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
 1598. Narmgaladze, A. (2013) Earthquakes and global electrical circuit, *Russian Journal of Physical Chemistry B*, Springer US, Vol. 7 (5), 589-593. DOI <https://doi.org/10.1134/154776713390100>
 1599. НАМГАЛАДЗЕ А.А. (2013) ЗЕМЛЕТРЯСЕНИЯ И ГЛОБАЛЬНАЯ ЭЛЕКТРИЧЕСКАЯ ЦЕПЬ, ХИМИЧЕСКАЯ ФИЗИКА, 32 (9), 1-9, Издательство: Российская академия наук, DOI: 10.7868/S0207401X13090100, @2013
 1600. Florian Mandija (2016) Report on the work realized by the Special Laboratory of the Physics Department, University of Shkodra, Albania, International Commission on Atmospheric and Space Electricity, <https://www.researchgate.net/publication/290436161>, @2016 [Линк](#)
 1601. Marta Rodríguez Bouza (2017) STUDY OF THE IONOSPHERIC DISTURBANCES THROUGH TOTAL ELECTRON CONTENT OVER SOUTHERN EUROPE, PhD Thesis, Universidad Complutense de Madrid, Facultad de Ciencias Físicas, Departamento de Física de la Tierra, Astronomía y Astrofísica I (Geofísica y Meteorología), Madrid 2017, 237 p., <https://eprints.ucm.es/handle/2026/11444>
 1602. Suman Paul, Syam Sundar De, D.K. Haldar, G. Guha (2017) Transmission of Electric Fields due to Distributed Cloud Charges in the Atmosphere-Ionosphere System, *Journal of Space Weather and Space Climate*, 2017, DOI: 10.1016/j.asr.2017.06.011, @2017
 1603. Bojilova R., P. Mukhtarov (2020) Relationship between the Critical Frequencies of the Ionosphere over Bulgaria and Geomagnetic Activity, *C. R. Acad. Bulg. Sci.*, 73 (1), 1-10, @2020
268. **Velinov P. I. Y., Mateev L..** (2007) Improved Cosmic Ray Ionization Model in Ionosphere and Atmosphere for Particles with Charge Z. Calculation of Electron Production Rate and Ionospheric Parameters. In: *Proceedings of the 11th International Conference on Space Weather*, Management Committee Meeting and Scientific Event "Developing the Basis for Monitoring, Modelling and Predicting Space Weather", WG2-The Radiation Environment and Space Weather, ISTI BAS, 2007, 1-11
- [Лумупа се е:](#)
1604. European Space Weather Portal - Models and Data. Velinov, PIY, Mateev, L.: Improved cosmic ray ionization model. ca724wg1.ts.astro.it/ca724/_ca_edit.php?id=1604, @2008
269. **Velinov P. I. Y., Mishev A., Mateev L..** (2007) Cosmic Ray Atmosphere Ionization Estimated with Monte Carlo CORSIKA 6.52 Code Comparison with Analytical Approach. In: *Proceedings of the 11th International Conference on Space Weather*, Space Weather Week, European Space Agency, ESA Conference Bureau, The EC COST Office, The Royal Library of Belgium, Brussels, 5-9 November, A. Book, Final Programme, Conference Bureau, The EC COST Office, 2007, p. 42-43.
- [Лумупа се е:](#)
1605. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
270. **Velinov P. I. Y., Tonev P..** (2007) Estimation of the Conductivity Variations in Lower Ionosphere Due to DC Thunderstorm Electric Fields. Report on the ESWW4 – the Fourth European Space Weather Week, Royal Library of Belgium, Brussels, 5-9 November 2007, A. Book, Final Programme, p. 14 & 43, European Space Agency, ESA Conference Bureau, The EC COST Office, 2007, p. 14-43.
- [Лумупа се е:](#)
1606. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
271. **Velinov P. I. Y., Tassev Y..** (2007) Effects of Galactic and Solar Cosmic Rays on Ozone and Other Minor Constituents in the Atmosphere. Global Changes, Environment, and High Mountain Observatories Network, BEOBAL FP6 Project "BEO Centre of Excellence Research Capacity Improvement for Sustainable Environment and Advanced Environmental Research (ERA)", Observatoire de Montagne de Moussala, fascicule 12, Eds. J. Stamenov and B. Vachev, BEOBAL Conference, Gyulechitsa, Rila mountain, 21-25 March, 2007, p. 1-10.
- [Лумупа се е:](#)
1607. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
 1608. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BA Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
272. Mishev A., **Velinov P. I. Y..** (2007) Impact of Low Energy Hadronic Interaction Models on Cosmic Ray Induced Ionization in the Atmosphere. *C. R. Acad. Bulg. Sci.*, 60, 5, 2007, p. 5-10.
- [Лумупа се е:](#)
1609. Bazilevskaya, et al. Cosmic Ray Induced Ion Production in the Atmosphere. In: F. Leblanc: Planetary Atmospheric electricity, 2008, Springer ISBN-978-0-387-87663-3

- 1610.** Bazilevskaya, G.A., I.G. Usoskin, E. O. Flueckiger, R. G. Harrison, L. Desorgher, R. Buetikofer, M. B. Krainev, V.S. Makhmutov, Y.I. Stozhkov, A.K. Svirzhevskaya. Cosmic Ray Induced Ion Production in the Atmosphere, Space Sci. Rev., 137, 149-173, 2008., @2008
- 1611.** Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
- 1612.** Lachezar Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. Comptes rendus de l'Academie bulgare des sciences (4 citations), @2010
- 1613.** D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
- 273.** Mishev A., **Velinov P. I. Y.** (2007) Yield Function Y for Ionization in the Atmosphere Produced by Cosmic Ray Nuclei in Wide Energy Range Simulated with CORSIKA Code. Space Sci. Rev. 137, 725-734. ISI IF:0.106
- Lumupa ce e:
- 1614.** Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
- 1615.** D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
- 274.** **Velinov P. I. Y.**, Mishev A.. (2007) Comparison of Yield Function Y for Ionization in the Atmosphere Produced by Different Cosmic Ray Particles Simulated with CORSIKA Code. Space Sci. Rev. 137, 956. ISI IF:0.106
- Lumupa ce e:
- 1616.** L. Desorgher, E. O. Flückiger, M. Gurtner (2005) The Planetocosmics Geant4 application, University Hospital of Lausanne, Institute of radiation physics, Lausanne, Switzerland, @2005
- 1617.** L. Desorgher, E. Flückiger, M. Gurtner (2006) The Planetocosmics Geant4 application https://www.researchgate.net/publication/241603312_The_Planetocosmics_Geant4_application/references, @2006
- 1618.** European Space Weather Portal - Models and Data: 1) Velinov PIY, and A. Mishev. Cosmic Ray Induced Ionization. ca724wg1.ts.astro.it/ca724/_ca_edit.php?id=1618. Velinov-Mishev model, @2008
- 1619.** Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
- 1620.** Rami Vainio, Laurent Desorgher, Daniel Heynderickx, Marisa Storini, Erwin Flückiger, Richard B. Horne, Gennady A. Kovaltsov, Karel Kudela, Monica Laurenza, Svetlana Ilya G. Usoskin (2009) Dynamics of the Earth's Particle Radiation Environment, Space Sci Rev, 47: 187-231, DOI 10.1007/s11214-009-9496-7, @2009 [Линк](#)
- 1621.** D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
- 275.** Mishev A., **Velinov P. I. Y.** (2007) Cosmic Ray Induced Ionization in the Atmosphere Due to Primary Protons at Solar Minimum and Maximum on Basis of CORSIKA Code. Space Sci. Rev. 137, 11, 2007, 1231-1236. ISI IF:0.106
- Lumupa ce e:
- 1622.** Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
- 1623.** L. Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. C.R. Acad. bulg. Sci., 2010, 63, 4, 593 - 600. (4 citations), @2010
- 1624.** A.K.Singh, Devendraa Singh, R.P.Singh (2011) Impact of galactic cosmic rays on Earth's atmosphere and human health, Atmospheric Environment, Volume 45, 10, 2011, 1815-1824, <https://doi.org/10.1016/j.atmosenv.2011.04.027>, @2011
- 1625.** D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
- 276.** Mishev A., **Velinov P. I. Y.** (2007) Cosmic Ray Induced Ionization in the Atmosphere Estimated with CORSIKA Code Simulations. Invited Report on the COST 724 Management Event "Developing the Basis for Monitoring, Modelling and Predicting Space Weather", WG2-The Radiation Environment of the Earth, Sofia, Bulgaria, 21-25 May, 2007, 1-10, @2007
- Lumupa ce e:
- 1626.** Desorgher, E. Flückiger, M. Gurtner (2006) The Planetocosmics Geant4 application https://www.researchgate.net/publication/241603312_The_Planetocosmics_Geant4_application/references, @2006
- 277.** **Velinov P. I. Y.**, **Mateev L.** (2007) Ionization Model for Protons in Ionosphere and Atmosphere with 4 Interval Approximation of the Ionization Losses Function. C. R. Acad. Bulg. Sci., 2007, 60, 1, 1-6, @2007
- Lumupa ce e:
- 1627.** Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
- 1628.** S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. 1 citations: p. 9, @2013
- 1629.** S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [16 citations: p. 57], @2013

278. **Velinov P. I. Y.**, Mishev A.. (2008) Cosmic Ray Induced Ionization in the Upper, Middle and Lower Atmosphere Simulated with CORSIKA Code. Proceedings of the 30th International Cosmic Ray Conference, 2007, Merida, Mexico, 3-11 July 2007. (Eds.) R. Caballero, J.C. D'Olivo, G. Medina-Tanco, L. Nellen, F.A. Sánchez, J.F. Valdés-Galicia. Universidad Nacional Autónoma de México, 2008, pp. 749-752.

Литература:

1630. European Space Weather Portal - Models and Data 1) Velinov PIY, and A. Mishev. Cosmic Ray Induced Ionization in the Upper, Middle and Lower Atmosphere. ca724wg1.ts.astro.it/ca724/_ca_edit.php?id=74&m=1&e=0 Presentation of the Velinov-Mishev model, @2008
1631. Jean Liliensten, A. Belehaki, M. Messerotti, R. Vainio, Stefaan Poedts, COST 724 final report: Developing the scientific basis for monitoring, modelling and predicting Space Weather, Publisher: COST Office, Editors: Jean Liliensten, Anna Belehaki, Mauro Messerotti, Rami Vainio, Jürgen Watermann, Stefaan Poedts, ISBN: 978-92-898-0044-0, @2009
1632. E. Flückiger. Ground Level Events and Terrestrial Effects (Cutoffs, Cosmic Rays in the Atmosphere, Cosmogenic Nuclides). Proc. 30th ICRC July 3 – 11, Merida, Mexico, Raporteur Talk, @2009
1633. Thierry Dudok de Wit, Jürgen Watermann. Solar forcing of the terrestrial atmosphere. Comptes Rendus Geosciences 05/2009., @2009
1634. Ilya G. Usoskin, Gennady A. Kovaltsov, Irina A. Mironova. Cosmic ray induced ionization model CRAC:CRIL: An extension to the upper atmosphere. Journal of Geophysical Research, 116, A08101, 2011, DOI: 10.1029/2009JD013142, @2010
1635. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BA-100, Sofia, 2011, IAGA National Report, pp. 83 - 90., @2011
1636. Firoz, K.A., Moon, Y.-J., Park, S.-H., Kudela, K., Islam, J.N., Dorman, L.I., On the possible mechanisms of two ground-level enhancement events, ISSN: 0004-6379, 190, 2011, @2011
1637. K. A. Firoz, Y.-J. Moon, K.-S. Cho, J. Hwang, Y. D. Park, K. Kudela, On the relationship between ground level enhancement and solar flare. J. Geophys. Res. 116, A08101, 2011, (2 citations), @2011
1638. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4866-080403846, @2016
1639. Umahi, A. E. (2016) Impact of High Energy Charged Galactic Particle Variations in the Earth's Atmosphere, Middle-East Journal of Scientific Research, 10.5829/idosi.mejsr.2016.24.05.23456, @2016
1640. Umahi, A.E, (2016). Earth's Environmental Pollution from Galactic Cosmic Rays Flux, World Applied Science Journal, 34 (3), 338-342, DOI: 10.5829/idosi.wasj.2016.34.03.338342, @2016

279. Usoskin I., Desorgher L., **Velinov P. I. Y.**, Storini M., Flückiger E., Buetikofer R., Kovaltsov G.. (2008) Solar and Galactic Cosmic Rays in the Earth's Atmosphere. (Review of the scientific basis for monitoring, modelling and predicting Space Weather, COST 724 final report (eds. J. Liliensten, A. Belehaki, M. Messerotti, R. Vainio, J. Watermann, S. F. Bortone, ISBN:978-92-898-0044-0, pp. 124-132.

Литература:

1641. Galina Bazilevskaya et al. (2008) Cosmic Ray Induced Ion Production in the Atmosphere, June 2008, Space Science Reviews 137(1):149-173. DOI: 10.1007/s11214-008-9112-1, @2008
1642. Kudela K., Cosmic Rays and Space Weather: Direct and Indirect Relations. 30th international cosmic ray conference, 2007, Merida, Mexico, pp. 1-16., @2008
1643. Mishev, A., Boukljiski, A., Visca, L., Borla, O., Stamenov, J., & Zanini, A. (2008). Recent cosmic ray studies with lead free neutron monitor at basic environmental observatory. Space Weather, 6(1), 26-28., @2008
1644. A.L. Mishev. Possible Atmospheric Transparency Studies on the Basis of Cherenkov Light Measurements. ArHiv 0910.1662 v.1 [physics-ph] 9 Oct. 2009, @2009
1645. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1646. Ganushkina N. Progress in scientific understanding of space weather. COST Action ES0803: Developing space weather products and services in Europe. Progress report 2009, Brugge, Belgium. <http://www.costes0803.noa.gr/documents/meetings/brugge-mc-2009/Attachment-7.pdf>, @2009
1647. Helen Mavromichalaki, George Souvatzoglou, Christos Sarlanis, George Mariatos, Athanasios Papaioannou, Anatoly Belov, Eugenia Eroshenko and Victor Yankelevitch. Neutron Monitor Database to establish an Alert signal, Proceedings of the 31st ICRC, ŁÓDŹ 2009, pp. 1-4. <https://www.researchgate.net/publication/264874499>, @2009
1648. Mishev A.L. Atmospheric transparency Studies on the Basis of Cherenkov light Measurements. Proc. of Intern. Conference, Fundamental Space Research 2009, Sofia, 2009, (2 citations), @2009
1649. Rami Vainio, Laurent Desorgher, Daniel Heynderickx, Marisa Storini, Erwin Flückiger, Richard B. Horne, Gennady A. Kovaltsov, Karel Kudela, Monica Laurenza, Susan M. Kieffer, Ilya G. Usoskin (2009) Dynamics of the Earth's Particle Radiation Environment, Space Sci. Rev., 147, 187-231. <https://doi.org/10.1007/s11214-009-9496-7>, @2009
1650. Helen Mavromichalaki, George Souvatzoglou, Christos Sarlanis, George Mariatos, Athanasios Papaioannou, Anatoly Belov, Eugenia Eroshenko and Victor Yankelevitch. Neutron Monitor Database to establish an Alert signal, Proceedings of the 31st ICRC, ŁÓDŹ 2009, pp. 1-4. <https://www.researchgate.net/publication/264874499>, @2009
1651. Kikuchi, R. (2010) External Forces Acting on the Earth's Climate: An Approach to Understanding the Complexity of Climate Change, Energy & Environment, 21(8), 900-910, @2010 [Линк](#)
1652. L. Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. C.R. Acad. bulg. Sci., 2010, 63, 4, 593 - 600. (1 citation), @2010
1653. A.K. Singh, Devendraa Singh, R.P. Singh (2011) Impact of galactic cosmic rays on Earth's atmosphere and human health, Atmospheric Environment, 45, 3806-3815, @2011
1654. Calisto, M. et al. (2011) Influence of Galactic Cosmic Rays on atmospheric composition and dynamics, Atmospheric Chemistry and Physics, 11 (9), 4547-4556., @2011
1655. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BA-100, Sofia, 2011, IAGA National Report, pp. 83 - 90., @2011

1656. H. Mavromichalaki, A. Papaioannou, C. Plainaki, C. Sarlanis et al. (2011) Applications and usage of the real-time Neutron Monitor Database. *Advances in Space Research* 47(12):2210-2222. DOI: 10.1016/j.asr.2010.02.019, @2011
1657. Alexander Mishev (2012) Short- and Medium-Term Induced Ionization in the Earth Atmosphere by Galactic and Solar Cosmic Rays, *International Journal of Astronautical Sciences and Space Corporation*, Volume 2013, Article ID 184508, 9 pages, LicenseCC BY 3.0, <http://dx.doi.org/10.1155/2013/184508>, @2012
1658. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013., @2012
1659. Tonev P. (2012) Electric response of high latitudinal middle atmosphere to solar wind characteristics studied by model simulations. SES 2011, Seventh Scientific Conference on SPACE, ECOLOGY, SAFETY, 29 November – 1 December 2011, BAS Publishing, Sofia, pp. 49-54. (3 citations), @2012
1660. Tonev P. 2012, Estimation of Currents in Global Atmospheric Electric Circuit with Account of Transpolar Ionospheric Potential. *C.R. Acad. bulg. Sci.*, 65, 11. (3 citations)
1661. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (6 citations: p. 1, 5, 6, 7, 17, 38), @2013
1662. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [17 citations - p. 1, 126 (2), 134, 156], @2013
1663. A.L. Mishev (2014) Computation of radiation environment during ground level enhancements 65, 69 and 70 at equatorial region and flight altitudes. *Advances in Space Research* 53(10):1010-1019. DOI: 10.1016/j.asr.2013.10.010, @2014
1664. V. G. Bakhmutov, V. F. Martazinova, N. A. Kilifarska, G. V. Melnyk, E. K. Ivanova, 2014. Geomagnetic field and climate variability. 1. Spatial-temporal distribution of geomagnetic field during XX century. *Geofiz. J.*, 1, v. 36, 2014, pp. 81-104., @2014
1665. Zigman, V., Kudela K., Grubor D., Response of the Earth's lower ionosphere to the Ground Level Enhancement event of December 1989. *Journal of Geophysical Research* 95(12):19899-19908. DOI: <http://dx.doi.org/10.1016/j.asr.2013.12.026>, @2014
1666. Бахмутов, В. Г., Мартазинова, В. Ф., Килифарска, Н. А., Мельник, Г. В., & Иванова, Е. К. (2014). Связь изменений климата с геомагнитным полем. 1. Геомагнитное поле Земли и климата в XX в. *Геофизический журнал*, Т. 36, № 1. — С. 81-104., @2014
1667. Mishev, A. L., et al. (2015) Computation of dose rate at flight altitudes during ground level enhancements no. 69, 70 and 71. *Adv. Space Res.*, 55.1: 354-362., @2015
1668. N A Kilifarska (2015) Bi-decadal solar influence on climate, mediated by near tropopause ozone, *Journal of Atmospheric and Solar-Terrestrial Physics* 136 (8), DOI: 10.1016/j.jastp.2015.07.011, @2015
1669. G.G. Didebulidze, M. Todua. The inter-annual distribution of cloudless days and nights in Abastumani: Coupling with cosmic factors and climate change *Journal of Atmospheric and Solar-Terrestrial Physics*, 141, 48-55, 2016 (IF = 1.751), @2016
1670. Silva H., I. Lopes (2016) Phase-Space Representation of Neutron Monitor Count Rate and Atmospheric Electric Field in relation to Solar Activity in Cycles 21 and 22. *Journal of Space Weather and Space Climate* 10(1):01-10. DOI: 10.1186/s40623-016-0504-3, @2016
1671. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *World Applied Sciences Journal* 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5829/idosi.wasj.2016.34.03.312-317, @2016
1672. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *IOSR Journal of Applied Physics* 08 (04): 38-46, DOI: 10.9790/4861-0804038-46, @2016
1673. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, *Middle-East Journal of Scientific Research* 28(1):1801-1806. DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
1674. Umahi, A. E. (2016) Variability of Galactic Cosmic rays Flux and Solar Activities in the Earth's Atmospheric Environment, *American-Eurasian J. Agric. & Environ. Sci.* 16(5):105829/idosi.aejas.2016.16.5.10441., @2016
1675. Umahi, A. E. (2016) Impact of High Energy Charged Galactic Particle Variations in the Earth's Atmosphere, *Middle-East Journal of Scientific Research* 28(1):1801-1806. DOI:10.5829/idosi.mejsr.2016.24.05.23456, @2016
1676. Umahi, A. E. (2016) Impact of Space Radiation in the Earth's Atmosphere, *American-Eurasian J. Agric. & Environ. Sci.*, 16 (5), 868-873, DOI: 10.5829/idosi.aejas.2016.16.5.10441., @2016
1677. Umahi, A. E., (2016) Solar Modulation on Galactic Cosmic Rays in the Earth's Atmosphere, *IOSR Journal of Applied Physics (IOSR-JAP)* e-ISSN: 2278-4861. Volume 8(04):32-37, www.iosrjournals.org, @2016
1678. Umahi, A.E, (2016). Earth's Environmental Pollution from Galactic Cosmic Rays Flux, *World Applied Science Journal*, 34 (3), 338-342, DOI: 10.5829/idosi.wasj.2016.34.03.338-342, @2016
1679. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udeaja, V.N., Anih, J.O., Onyia, A.I., Adieme, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, E. (2016) Cosmic Rays in the Atmosphere, *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)*, e-ISSN: 2319-2402, p- ISSN: 2319-2396, pp. 80-84, www.iosrjournals.org, @2016
1680. Kilifarska N. (2017) Mechanism for connection between the cosmic rays, geomagnetic field and Earth's climate, Dissertation for obtaining scientific degree "Doctor of Sciences", Bulgarian Academy of Sciences, Sofia 2017, 142 p., @2017
1681. Mishev, A.; Artamonov, A. et al. (2017) Updated model CRAC-HEPII of atmospheric ionization due to high energy protons, 35th International Cosmic Ray Conference, Proceedings of Science, Vol. 301. <https://pos.sissa.it/cgi-bin/reader/conf.cgi?confid=301>, id.79, @2017
1682. Samia Gurmani, N. Ahmad, Jose Tacza, T. Iqbal (2018) First seasonal and annual variations of atmospheric electric field at a subtropical station in Islamabad, Pakistan. *Journal of Atmospheric and Solar-Terrestrial Physics*, DOI: 10.1016/j.jastp.2018.09.011, @2018
1683. Sourav Palit, Jean-Pierre Raulin, Emilia Correia (2018) Lower Ionospheric Plasma-Chemical Evolution and VLF Signal Modulation by a Series of SGR X-Ray Bursts. *Journal of Geophysical Research: Space Physics*, 08 September 2018, <https://doi.org/10.1029/2018JA025773>, @2018
1684. Evgeniy Maurchev, Yuriy Balabin, Aleksei Vladimirovich Germanenko, Evgeniya Mikhalko, Boris Gvozdevsky (2019) Calculating the ionization rate induced by GCR in the Earth's atmosphere. *Journal of Atmospheric and Solar-Terrestrial Physics*, September 2019, 5(3):81-88, DOI: 10.12737/szf-53201908, @2019
1685. Устинова, В. А. Алексеев (2019) Вариации скоростей образования космогенных радионуклидов в хондритах с известными орбитами, Доклады Академии Наук России, 478(1):133-137. DOI: <https://doi.org/10.31857/S0869-5652485133-37>, @2019
1686. Anastasia Tezari, Pavlos Paschalis, Helen Mavromichalaki, Pantelis Karaikos, Norma Crosby, Mark Dierckxsens (2020) Assessing Radiation Exposure Inside the Human Body. *Journal of Radiation Protection and Dosimetry* 190(4), 427–436. DOI: 10.1093/rpd/ncaa112, @2020 [Линк](#)
1687. Anna Bouzekova-Penkova, Silviya Simeonova, Rositza Dimitrova, Rayna Dimitrova (2020) Structural Properties of Aluminium Alloy Enhanced by Nanodiamond and Carbon Nanotubes. *Compt. rend. Acad. bulg. Sci.*, Vol 73, No9, pp.1270-1276., @2020

1688. K. M. Sridhar, M. Sridhar, Swapna Raghunath, D. Venkata Ratnam (2020) Ionospheric anomaly detection and Indian ionospheric climatology from GAGAN receiver network, *Journal of Space Weather and Space Climate*, 10.1007/s40328-020-00290-9, @2020
 1689. Okpala Kingsley Chukwudi, Abejaye Sylvester Ajisafe, Tsor James (2020) Effect of Some Solar Energetic Events on Cosmic Ray (CR) Ground Level Enhancement (GLE) and Space Science, 8(1):1, DOI: 10.11648/j.ijass.20200801.11, @2020
 1690. B. Andonov, R. Bojilova, P. Mukhtarov (2021) Global distribution of Total Electron Content response to weak geomagnetic activity, *C. R. Acad. Bulg. Sci.* 74 (7), 103-108, @2021 [Линк](#)
 1691. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, *C. R. Acad. Bulg. Sci.* 75(3):0.378, @2022 [Линк](#)
 1692. Susanna Pätsi, Alexander Mishev et al. (2022) Ionization effect in the Earth's atmosphere due to cosmic rays during the GLE 71 on 17 May 2012, *Advances in Space Research* 2901., @2022 [Линк](#)
 1693. Krastev K. (2023) Study of radiation conditions along the route and in orbit around Mars based on data from the Lyulin-MO instrument on board the ExoMars Trace Gas Orbiter, *Space Research and Technology, Bulgarian Academy of Sciences*, 141 p., @2023
 1694. Safinaz A. Khaled, Luc Dame, Amira Shimeis, Shahinaz Yousef, M. A. Semeida et al. (2023) Statistical study of confined filament/prominence eruptions during solar minimum, *Journal of Space Weather and Space Climate* 1384-1392. DOI:10.7546/CRABS.2023.09.09, @2023 [Линк](#)
 1695. Mauro Satta, Daniele Catone, Mattea, Carmen Castrovilli, Francesca Nicolanti, Antonella Cartoni (2024) Ionic Route to Atmospheric Relevant HO₂ and Protonated HO₂, *Molecules* 29(7):1484, DOI: 10.3390/molecules29071484, @2024 [Линк](#)
280. Mishev A., **Velinov P. I. Y.** (2008) Effects of Atmospheric Profile Variations on Yield Ionization Function Y in the Atmosphere. *C. R. Acad. Bulg. Sci.*, 61, 5, 2008, 639-644.
- Лумупа се е:
1696. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, Sofia, p., @2009
 1697. L. Alexandrov et al. (2010) Parameterisation of ionization yield function Y produced by cosmic ray nuclei in the atmosphere, *Comptes rendus de l'Académie bulgare des sciences et naturelles*, 63(4), 571-582., @2010
 1698. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAAG Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
 1699. A. Beleghaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012., @2012
 1700. P. B. Rimmer and Ch. Helling. Ionization in atmospheres of Brown Dwarfs and extrasolar planets IV. The Effect of Cosmic Rays. *ArXiv:astro-ph.SR 1307.3257v1*, 2013.
 1701. Rimmer, P.B., Helling, C. Ionization in atmospheres of brown dwarfs and extrasolar planets. IV. the effect of cosmic ray. *Astrophysical Journal*, Volume 774, Issue 108., @2013
 1702. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *IOSR Journal of Applied Physics* 08 (04): 38-46, DOI: 10.9790/4860-0804038-46, @2016
 1703. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *World Applied Sciences Journal* 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5829/idosi.mejsr.2016.24.05.23456, @2016
 1704. Umahi, A. E. (2016) Impact of High Energy Charged Galactic Particle Variations in the Earth's Atmosphere, *Middle-East Journal of Scientific Research* 10.5829/idosi.mejsr.2016.24.05.23456, @2016
 1705. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udeaja, V.N., Anih, J.O., Onyia, A.I., Adieme, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, C. Cosmic Rays in the Atmosphere, *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)*, e-ISSN: 2319-2402, p- ISSN: 2319-2395, pp. 80-84, www.iosrjournals.org, @2016
281. **Velinov P. I. Y.**, Mishev A.. (2008) Solar Cosmic Ray Induced Ionization in the Earth's Atmosphere Obtained with CORSIKA Code Simulations. *C. R. Acad. Bulg. Sci.*, 61, 7, 2008, 739-744.
- Лумупа се е:
1706. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, Sofia, p., @2009
 1707. A. K Singh et al., Space weather, physics, effects and predictability. *Surveys in Geophysics* 31 (2010) 581-638. DOI 10.1007/s10712-010-9103-1, @2010
 1708. A.K. Singha, Devendraa Siinghb, R.P. Singh (2011) Impact of galactic cosmic rays on Earth's atmosphere and human health, *Atmospheric Environment* 45 (2011) 305-312, @2011
 1709. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAAG Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
 1710. A. Beleghaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012., @2012
 1711. A K Singh, R P Singh, Devendraa Siingh (2014) Open access e-Journal Solar Variability, Galactic Cosmic Rays and Climate: A Review, https://www.researchgate.net/publication/260026129_Open_access_e-Journal_Solar_Variability_Galactic_Cosmic_Rays_and_Climate_A_Review, @2014
 1712. Prof. Ashok K. Singh, R. P. Singh, Devendraa Siingh (2014) Solar Variability, Galactic Cosmic Rays and Climate, *Earth Science India*, Vol. 7 (I), January, 2014, pp. 1-10, @2014
 1713. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *IOSR Journal of Applied Physics* 08 (04): 38-46, DOI: 10.9790/4860-0804038-46, @2016
 1714. A. K. Singh, R. P. Singh, Devendraa Siingh (2018) Solar Variability, Galactic Cosmic Rays and Climate: A Review, https://www.researchgate.net/publication/260026129_Open_access_e-Journal_Solar_Variability_Galactic_Cosmic_Rays_and_Climate_A_Review, @2018
 1715. D.R. MITREA, H. MORTAZAVI MOSHKENANI, O.A. HOTEIUC, C. BIDIAN, A.M. TOADER, S. CLICHICI (2018) ANTIOXIDANT PROTECTION AGAINST COSMIC RADIATION-INDUCED OXIDATIVE STRESS AT COMMERCIAL FLIGHT ALTITUDE, *JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY* 2018, 69, 4, www.jpp.krakow.pl | DOI: 10.26402/jpp.2018.4.03, @2018
 1716. Daniela-Rodica Mitrea, Simona Clichici (2018) Antioxidant protection against cosmic radiation-induced oxidative stress at commercial flight altitude, *Journal of physiology of the Polish Physiological Society* 69(4), 1-9. DOI: 10.26402/jpp.2018.4.03, @2018

1717. Binod Adhikari, Bidur Kaphle, Niraj Adhikari, Sanam Limbu, Aashish Sunar, Roshan Kumar Mishra, Sarala Adhikari (2019) Analysis of cosmic ray, solar wind energy and ionospheric total electron content during solar superstorm of November 18–22, 2003, SN Applied Sciences, 1:453, pp. 1-11, A Springer Nature journal, <https://doi.org/10.1007/s42464-019-0001-1>
1718. Ashok K. Singh, Devendra Singh, R. P. Singh (2020) Impact of galactic cosmic rays on Earth's atmosphere and human health, Project: Lightning and , Climate, <https://www.researchgate.net/publication/340899101>, @2020
1719. Devendra Singh, Abhay Kumar Singh, Prof. Ashok K. Singh, Dr. Sanjay Kumar, Madhuri Kulkarni, Rajesh Singh, A. K. Kamra, Jeni Victor, Rupesh N Ghodpa, Selvakumaran, Sushil Kumar (2020) Project Lightning and Climate, Goal: To establish the relation of lightning and climate, <https://www.researchgate.net/publication/340899101>, @2020
282. **Velinov P. I. Y., Tonev P.** (2008) Electric currents from thunderstorms to the ionosphere during a solar cycle: Quasi-static modeling of the coupling mechanism. Adv. Space Res. 47:1177, DOI:10.1016/j.asr.2007.12.006, 1569-1575. JCR-IF (Web of Science):1.409
- Сумара се е:
1720. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1721. Saxena, D., Yadav, R., Kumar, A. 2010 Effect of orographic features on global atmospheric electrical parameters over 160 different places of United States Indian J. Phys. 88(3), 225-235., @2010 [Линк](#)
1722. D Saxena, R Yadav, A Kumar. Orographic features of global atmospheric fair weather electrical parameters over different places of Sri Lanka. Sri Lankan Journal of Physics 53(1), 1-11., @2013
1723. A. Kumar, D. Singh. A comparative study on orographic and latitudinal features of global atmospheric electrical parameters over different places at three Asian countries. J. Earth System Science 123(4), 789-800., @2013
1724. Kumar, A. (2013). Mountainous features of global atmospheric electrical parameters over various tropospheric regions of China. Canadian Journal of Basic & Applied Science 9(1), 1-11., @2013
1725. Tsagouri, I., Belehaki, A., Bergeot, N., Cid, C., Delouille, V., Egorova, T., ... & Pietrella, M. (2013). Progress in space weather modeling in an operational environment. Space Weather, 11, 1-11., @2013
1726. Kumar, A., & Singh, D. (2014). A comparative study on orographic and latitudinal features of global atmospheric electrical parameters over different places at three Asian countries. J. Earth System Science 123(4), 789-800., @2014
1727. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4864-0804038-46, @2016
1728. H. Silva, I. Lopes (2016) Phase-Space Representation of Neutron Monitor Count Rate and Atmospheric Electric Field in relation to Solar Activity in Cycles 21 and 22. J. Space Weather and Space Climate 10, 1-11., @2016
1729. Suman Paul, Syam Sundar De, D.K. Haldar, G. Guha (2017) Transmission of Electric Fields due to Distributed Cloud Charges in the Atmosphere-Ionosphere System. J. Space Weather and Space Climate 11, 1-11., @2017
1730. Bojilova R., P. Mukhtarov (2021) Construction of Ionospheric Critical Frequencies Based on the Total Electron Content over Bulgaria, C. R. Acad. Bulg. Sci., 74(3), 0.343, @2021 [Линк](#)
283. **Tonev P.T., Blagoev A., Velinov P. I. Y.** (2008) Parameters of Lightning Discharge and Atmospheric Conductivity Needed for Sprite Producing Quasi-Electrostatic Fields. International Symposium on Lightning Physics and Effects, Vienna, 14-15 April, 2008, 1-10
- Сумара се е:
1731. COSIS.net - Accepted Contributions - IS68 - NH1.4/AS1.07 www.cosis.net/members/meetings/sessions/accepted_contributions.php?p_id=308&s_id=5207&PHPSESSID=10000000000000000000000000000000
284. **Velinov P. I. Y., Mateev L.** (2008) Analytical Approach to Cosmic Ray Ionization by Nuclei with Charge Z in the Middle Atmosphere - Distribution of Galactic CR Effects. Adv. Space Res. 47:1177, DOI:10.1016/j.asr.2007.12.006, 1569-1575. JCR-IF:1.409
- Сумара се е:
1732. A. Mishev, A. Bouklijski, L. Visca, O. Borla, J. Stamenov, A. Zanini. Recent Cosmic Ray Studies with Lead Free Neutron Monitor at Basic Environmental Observatory. J. Space Weather and Space Climate 2(1): 26-28., @2008
1733. Dimitra Atri, Adrian L. Melott, Brian C. Thomas (2007) Lookup tables to compute high energy cosmic ray induced atmospheric ionization and changes in atmospheric density. J. Space Weather and Space Climate 1(1), 1-11., @2008 [Линк](#)
1734. European Space Weather Portal - Models and Data: Velinov, PIY, Mateev, L., JASR, 2008: ca724wg1.ts.astro.it/ca724/_ca_edit.php?id=73&m=1&e=0 / Presentations
1735. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, @2009
1736. G. Gronoff, J. Liliensten, L. Desorgher, E. Flückiger (2009) Ionization processes in the atmosphere of Titan. I. Ionization in the whole atmosphere, Astronomy and Astrophysics 506, 1-11., @2009
1737. Gronoff, G., J. Liliensten, and Ronan Modolo. "Ionization processes in the atmosphere of Titan-II. Electron precipitation along magnetic field lines." Astronomy & Astrophysics 506, 1-11., @2009
1738. de Wit Thierry Dudok; Watermann Juergen. Solar forcing of the terrestrial atmosphere. Comptes Rendus Geoscience Volume: 342 Issue: 4-5 Special Issue: SI Pages: 201-210. Published: APR-MAY 2010, @2010
1739. Dimitra Atri; Melott, Adrian L.; Thomas, Brian C. Lookup tables to compute high energy cosmic ray induced atmospheric ionization and changes in atmospheric density. J. Space Weather and Space Climate 1(1), 1-11., @2008
1740. A. Belehaki, A. Glover, M. Hapgood, J.-P. Luntama, R. Van der Lind et al. (2011) Programme and Abstract Book for 8th European Space Weather Week (ESWW8) Conference, 2008; Palais de Congres the Namur, Namur, Belgium, ESA Publishers, 106 p., @2011

1741. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, BAS Publishers, pp. 83 - 90., @2011
1742. Dimitra Atri. TERRESTRIAL EFFECTS OF HIGH ENERGY COSMIC RAYS. Submitted to the graduate degree program in Physics and the Graduate Faculty of the University of Kansas, the requirements for the degree of Doctor of Philosophy. Date defended: April 5, 2011. http://kuscholarworks.ku.edu/dspace/bitstream/1808/7671/1/Atri_ku_0099D_0001.pdf, @2011
1743. Gronoff, G., et al. "Ionization processes in the atmosphere of Titan-III. Ionization by high-Z nuclei cosmic rays." *Astronomy & Astrophysics* 529 (2011): A143., @2011
1744. Lazzarotto, Francesco ; Costa, Enrico ; Del Monte, Ettore ; Di Persio, Giuseppe ; Evangelista, Yuri ; Feroci, Marco ; Donnarumma, Francesco. Space Radiation Environment Measurements as by Product of the Gamma Ray Astronomy Mission AGILE, A. Book for 8th European Space Weather Week (ESA ESOWW), 12-14 December, 2008; Palais de Congres the Namur, Namur, Belgium, ESA Publishers, p. 44., @2011
1745. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (8 citations: p. 2, 6, 9, 19, 22, 23, 27, 38), @2013
1746. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [29 citations-p. 2, 3, 31, 124 (2), 125 (2), 126 (2), 127, 129, 130, 131, 136, 156], @2013
1747. Tsaouris, I., Belehaki, A., Bergeot, N., Cid, C., Delouille, V., Egorova, T. et al. (2013) Progress in space weather modeling in an operational environment. *Journal of Space Weather and Space Climate* 7, A17., @2013
1748. A.L. Mishev (2014) Computation of radiation environment during ground level enhancements 65, 69 and 70 at equatorial region and flight altitudes, *Advances in Space Research* 54, 528-535., @2014
1749. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *IOSR Journal of Applied Physics* 08 (04): 38-46, DOI: 10.9790/4861-0804038-46, @2016
1750. Gronoff, G., Mertens, C. J., Norman, R. B., Straume, T., & Lusby, T. C. (2016). Assessment of the influence of the RaD-X balloon payload on the onboard radiation environment. *Space Weather* 14, 845., @2016
1751. Kilifarska N. (2017) Mechanism for connection between the cosmic rays, geomagnetic field and Earth's climate, Dissertation for obtaining scientific degree "Doctor of Sciences", Bulgarian Academy of Sciences, Sofia 2017, 142 p. Килицарска Н. (2017) Механизъм за връзка между космическите лъчи, геомагнитното поле и климата на Земята, научната степен „доктор на физическите науки“, НИГГГ при БАН, София 2017, 142 стр., @2017
1752. G. Gronoff, R. Maggiolo, G. Cessateur, W. B. Moore, V. Airapetian, J. De Keyser, F. Dhooghe, Gibbons, H. Gunell, C. J. Mertens, M. Rubin, and S. Hosseini (2020) Cosmic Rays and Ionospheric Nuclei. I. Dose Deposition, *The Astrophysical Journal* 890(1):89, DOI: 10.3847/1538-4357/ab67b9, @2020
1753. Gronoff G. et al. (2020) The Effect of Cosmic Rays on Cometary Nuclei, *arXiv:2012.05772 [astro-ph.EP]* (or *arXiv:2012.05772v1 [astro-ph.EP]*), <https://doi.org/10.48550/arXiv.2012.05772>
1754. Kilifarska, N.A., Bakhmutov, V.G., Melnyk, G.V. (2020) The Hidden Link Between Earth's Magnetic Field and Climate, Elsevier, Amsterdam - Oxford - Cambridge, MA, 819346-4, 230 p.; Chapter 5. Galactic cosmic rays and solar particles in Earth's atmosphere, pp. 101-131., @2020
1755. D. Teodosiev, A. Bouzekova-Penkova, K. Grigorov, R. Nedkov, P. Tzvetkov, B. Tsintsarski, A. Kosateva, S. Klimov, V. Grushin (2021) Structural and Mechanical Properties of Polyimide Films after an Extended Stay on the International Space Station (ISS), *C. R. Acad. Bulg. Sci.*, 74 (2), 197-206., @2021
1756. V. Guineva, R. Werner, R. Bojilova, L. Raykova, I. V. Despirak (2021) Mid-latitude positive bays during substorms by quiet and disturbed conditions, *C. R. Acad. Bulg. Sci.*, 74 (2), 207-216., @2021
1757. Werner R., V. Guineva, A. Atanassov, D. Valev, D. Danov, B. Petkov, A. Kirillov (2021) Ultraviolet radiation levels over Bulgarian high mountains, *Aerospace Res. Bull.*, 10, 1-10., @2021
285. Velinov P. I. Y., Mateev L., Ruder H.. (2008) Generalized Model of Ionization Profiles Due to Cosmic Ray Particles with Charge Z in Planetary Ionospheres and Atmospheres. *Journal of Space Weather and Space Climate* 2, 133-146. of the Ionization Losses Function. *C. R. Acad. Bulg. Sci.*, 61, 1, 2008, 133-146. ISI IF:0.152
- Цитирани са:
1758. Y. Tassev. Relationships between low energy proton flux and ozone, temperature and pressure during and after the solar proton event from 20 January 2005. *Comptes Rendus de l'Académie Bulgare des Sciences*, Vol 61, No2, pp.243-252., @2008
1759. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1760. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (5 citations: p. 9, 10, 11, 12, 26), @2013
1761. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [13 citations - p. 135], @2013
1762. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *IOSR Journal of Applied Physics* 08 (04): 38-46, DOI: 10.9790/4861-0804038-46, @2016
1763. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *World Applied Sciences Journal* 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5829/ISSN1818-4952.WASJ.2016.34.03.038-46, @2016
1764. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, *Middle-East Journal of Scientific Research* 28, 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
1765. Umahi, A. E. (2016) Impact of Space Radiation in the Earth's Atmosphere, *American-Eurasian J. Agric. & Environ. Sci.*, 16 (5), 868-873, DOI: 10.5829/idosi.aejas.2016.16.05.0868-873, @2016
1766. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udeaja, V.N., Anih, J.O., Onyia, A.I., Adiemi, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, E. (2016) Cosmic Rays in the Atmosphere, *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)*, e-ISSN: 2319-2402, p- ISSN: 2319-2397, pp. 80-84, www.iosrjournals.org, @2016
286. Tassev Y., Velinov P. I. Y., Eroshenko E., Mateev L., Mishev A., Tomova D.. (2008) Analysis of the Initial Ozone Response, Temperature and Pressure after the SPE on 20 January 2005. *Proceedings of the 1st International Conference on Space Weather and Space Climate*, 2008, 247-251. of the Ozone Production Rate Profiles. *Fundamental Space Research - Recent Development in Geoecology Monitoring of the Black Sea Area and their Prospects*. Proceedings of the 1st International Conference on Space Weather and Space Climate, 2008, 247-251. Beach, Bulgaria, 21-28 September), ISTI BAS, 2008, pp. 247-251.
- Цитирани са:
1767. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011

1768. A. Belehaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012, @2012
287. **Velinov P. I. Y.**, Mishev A., **Mateev L.**, Dorman L. I.. (2008) Model Study of Ionization Processes Due to Cosmic Rays in the Earth's Environment. Fundamental Space Research Monitoring of the Black Sea Area and their Prospects. Proceedings of International Conference (Sunny Beach, Bulgaria, 21-28 September 2008), ISTI BAS, 2008, pp. 431-435. [Lumupa ce s:](#)
1769. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
1770. A. Belehaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012, @2012
288. **Velinov P. I. Y.**, **Mateev L.**, Ruder H.. (2008) Atmospheric Cut-offs in the Generalized Model of Ionization Profiles Due to the Cosmic Ray Charged Particles in Planetary Ionosphere. Interval Approximation of the Ionization Losses Function. (Review paper I). Aerospace Res. Bulg., 22, 24-36, BAS Publishers, Sofia, 2008, ISSN:2367-9522 (on line) & 1305-6463 (print). [Lumupa ce s:](#)
1771. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1772. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (5 citations: p. 9, 10, 11, 12, 26), @2013
1773. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [20 citations - p. 2, 101 (4), 135], @2013
1774. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. Acad. Sci. Bulg. Acad. Sci., 140, 1-10, @2017
289. **Velinov P. I. Y.**, Ruder H., **Mateev L.** (2008) Energy Decrease Laws and Electron Production Rates in the Generalized Model of Ionization Profiles Due to the Cosmic Ray Charged Particles in Planetary Ionosphere and Atmospheres with 5 Energy Interval Approximation of the Ionization Losses Function. (Review paper II). Aerospace Res. Bulg., 22, 37-50, BAS Publishers, Sofia, 2008, ISSN:2367-9522 (on line) & 1305-6463 (print). [Lumupa ce s:](#)
1775. Centre National de la Recherche Scientifique, CAT.INIST, cat.inist.fr/?aModele = afficheN&cpsidt = 9277985, © INIST Diffusion S.A., 2, allée du parc de Brabois, 54600 Villers-lès-Nancy, France, cat.inist.fr/?aModele = afficheN&cpsidt = 17222415 ; Velinov P. I. Y. ; Ruder H. ; Mateev L. ; Revue, @2009
1776. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1777. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (5 citations: p. 9, 10, 11, 12, 26), @2013
1778. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [14 citations - p. 2, 101 (4), 135], @2013
1779. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. C.R. Acad. Sci. Bulg. Acad. Sci., 140, 1-10, @2017
290. **Buchvarova M.**, **Velinov P. I. Y.**, Mishev A.. (2008) Empirical Modelling of Cosmic Ray Spectra in the 1 MeV - 100 GeV Energy Range. Proceedings of the 30th International Cosmic Ray Conference, Merida, Mexico, 3-11 July 2007. (Eds.) Rogelio Caballero, Juan Carlos D'Olive, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia, 1 (México, Mexico City, Mexico, http://dpnc.unige.ch/ams/ams_beta/ICRC/ICRC-07/icrc0383.pdf, 2008, pp. 1-4. [Lumupa ce s:](#)
1780. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
291. **Velinov P. I. Y.**, Belov A., Yanke V., Eroshenko E., Mishev A., **Tassev Y.**, **Mateev L.** (2008) Relationships between cosmic ray neutron flux and rain flows in dependence of geomagnetic activity. COSPAR Scientific Assembly and Associated Events (COSPAR 2008) - Montreal, Quebec, Canada, Jul 13-20; Poster - 259-C23-0039-08., 2008, 1-16. [Lumupa ce s:](#)
1781. Vladimir Mares, Thomas Brall, Rolf Bütikofer, Werner Rühm (2019) Influence of environmental parameters on secondary cosmic ray neutrons at high-altitude research station Zugspitze, Germany, Radiation Physics and Chemistry 168(No. 1–4):108557, DOI: 10.1016/j.radphyschem.2019.108557, @2019
292. **Velinov P. I. Y.**, **Mateev L.** (2008) Improved Cosmic Ray Ionization Model for the System Ionosphere - Atmosphere. Calculation of Electron Production Rate Profiles. J. Space Weather and Space Climate, 2, 582. ISI IF:1.463. [Lumupa ce s:](#)
1782. A. Mishev, A. Bouklijski, L. Visca, O. Borla, J. Stamenov, A. Zanini. Recent Cosmic Ray Studies with Lead Free Neutron Monitor at Basic Environmental Observ. Mon. Not. R. Astr. Soc., 378, 26-28. (2 citations), @2008
1783. Yordan K. Tassev. Relationships between low energy proton flux and ozone, temperature and pressure during and after the solar proton event from 20 January 2005. Annales des Sciences, Vol 61, No2, pp.243-252. (2 citations), @2008
1784. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1785. European Space Weather Portal - Models and Data. Velinov, PIY, Mateev, L.: Improved cosmic ray ionization model. ca724wg1.ts.astro.it/ca724/_ca_edit.php?id=1785 ; Mateev model, @2009

1786. G. Gronoff, J. Lilensten, L. Desorgher, E. Flückiger (2009) Ionization processes in the atmosphere of Titan. I. Ionization in the whole atmosphere, *Astronomy & Astrophysics*, 519, 10.1051/0004-6361/200912371, @2009
1787. Gronoff, G., Lilensten, J., & Modelo, R. (2009). Ionization processes in the atmosphere of Titan-II. Electron precipitation along magnetic field lines. *Astronomy & Astrophysics*, 519, 10.1051/0004-6361/200912371, @2009
1788. J. Backman. *Central European J. Geosciences*. <http://versita.com/cejg/> Volume 1, Number 2 (2009), 157-175, DOI: 10.2478/v10085-009-0015-6, @2009
1789. Vainio, R., Desorgher, L., Heynderickx, D., Storini, M., Flückiger, E., Horne, R.B., Kovaltsov, G.A., Usoskin, I.G. Dynamics of the Earth's particle radiation environment. *Journal of Space Weather and Space Climate*, 4, pp. 187-231., @2009
1790. Guang Jin, Hyo-Sung Jeon, Enyue Yang, Jae Yong Park. Mutation analysis of the FRK gene in non-small cell lung cancers. *Lung cancer (Amsterdam, Netherlands)* 71, 10.1016/j.lungcan.2010.07.007, @2010
1791. Raichenko, L. V. (2010) The impact of solar corpuscular radiation on the Earth's atmosphere: the current state of the problem, *Geofizicheskiy zhurnal*, 32(5), 82-101, 3100.v32i5.2010.117510, @2010
1792. Райченко, Л.В. (2010) Воздействие солнечного корпускулярного излучения на атмосферу Земли: современное состояние проблемы, *Геофизический журнал*, 32(5), 82-101, URL: <http://dspace.nbuv.gov.ua/handle/123456789/96416>, @2010
1793. A. Belehaki, A. Glover, M. Hapgood, J.-P. Luntama, R. Van der Lind et al. (2011) Programme and Abstract Book for 8th European Space Weather Week (ESWW8) Conference, 2008; Palais de Congres the Namur, Namur, Belgium, ESA Publishers, 106 p., @2011
1794. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BA 2011, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
1795. Campbell, L., Brunger, M. J. (2012) Modelling of plasma processes in cometary and planetary atmospheres. *Plasma Sources Science and Technology*, 22(1), 013001, 10.1088/0963-0268/22/1/013001, @2012
1796. Buchvarova, M.; Draganov, D., Cosmic-Ray Spectrum Approximation Model: Experimental Results and Comparison with Other Models, *Solar Physics*, (2013) 289, 10.1007/s11207-013-0488-8, @2013
1797. Campbell, L.; Brunger, M. J. Modelling of plasma processes in cometary and planetary atmospheres. *Plasma Sources Science and Technology*, Volume 22, Issue 1, 2012, 10.1088/0963-0268/22/1/013001, @2012
1798. Rimmer, P.B., Helling, C. Ionization in atmospheres of brown dwarfs and extrasolar planets. IV. the effect of cosmic rays. *Astrophysical Journal* 774, 2, 10 September 2013, 10.1088/0004-6361/123456789, @2013
1799. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (8 citations: p. 2, 6, 9, 19, 22, 23, 27, 38), @2013
1800. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [29 citations: p. 2, 31, 124 (2), 125 (2), 126 (2), 127, 129, 130, 131, 136, 156], @2013
1801. Tapan K. Gupta, Radiation, Ionization, and Detection in Nuclear Medicine, In book: Radiation, Ionization, and Detection in Nuclear Medicine, p.59, Chapter • November 2013, Springer Berlin Heidelberg., @2013
1802. Tapan K. Gupta. Radiation Exposure: Consequences, Detection, and Measurements. In book: Radiation, Ionization, and Detection in Nuclear Medicine. 2013, p. 59, Springer Berlin Heidelberg., @2013
1803. Tsaouri, I., Belehaki, A., Bergeot, N., Cid, C., Delouille, V., Egorova, T., ... & Pietrella, M. (2013) Progress in space weather modeling in an operational environment. *Climate*, 3, A17., @2013
1804. A.L. Mishev (2014) Computation of radiation environment during ground level enhancements 65, 69 and 70 at equatorial region and flight altitudes, *Advances in Space Research*, 54, August 2014, Pages 528–535., @2014
1805. Rimmer, P.B., Helling, C., Bilger, C., 2014. The influence of galactic cosmic rays on ion-neutral hydrocarbon chemistry in the upper atmospheres of free-floating exoplanets. *Astrophysical Journal*, 784, 2, 173-181., @2014
1806. T.A. Nordheim, Lewis R Dartnell, Laurent Desorgher, Geraint Jones (2014) Ionization of the Venusian atmosphere from Solar and Galactic Cosmic Rays, *Icarus*, 249, 10.1016/j.icarus.2014.04.011, LicenseCC BY 3.0, @2014 [Линк](#)
1807. Yordan Tassev, Natalia Kilifarska, Dimitrinka Tomova, Statistical Analysis of Solar Proton Flux Influence on Thermodynamics of Middle Atmosphere in the North Hemisphere, *Bulgarian Journal of Science and Technology*, Vol 67, No1, pp.95-100, @2014
1808. Fachreddin Tabataba-Vakili, J. L. Grenfel, IJ.-M. Grießmeier, H. Rauer (2015) Atmospheric effects of stellar cosmic rays on Earth-like exoplanets orbiting M-dwarfs, *Astronomy & Astrophysics*, 579, 10.1051/0004-6361/201425602, @2015
1809. Mrdja, D., Bikit, I., Bikit, K., Slivka, J., Anicin, I. 2015 Study of radiation dose induced by cosmic-ray origin low-energy gamma rays and electrons near sea level. *Journal of Space Weather and Space Climate*, vol. 122, No 1. <http://www.scopus.com/results/citedbyresults.url?sort=plf-f&cite=2-s2.0-38949092821&src>, @2015
1810. Nordheim, T.A., Dartnell, L.R., Desorgher, L., Coates, A.J., Jones, G.H. (2015) Ionization of the venusian atmosphere from solar and galactic cosmic rays. *Icarus*, 249, 10.1016/j.icarus.2014.04.011, @2015
1811. Paul B Rimmer, Christiane Helling, A Chemical Kinetics Network for Lightning and Life in Planetary Atmospheres, *The Astrophysical Journal Supplement Series* 224, 1, 0049/224/1/9 • Source: arXiv, @2015
1812. Tabataba-Vakili F., J. L. Grenfel, IJ.-M. Grießmeier, H. Rauer (2015) Atmospheric effects of stellar cosmic rays on Earth-like exoplanets orbiting M-dwarfs, *Astronomy & Astrophysics*, 579, 10.1051/0004-6361/201425602, @2015
1813. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *IOSR Journal of Applied Physics* 08 (04): 38-46, DOI: 10.9790/4861-08043846, @2016
1814. P. B. Rimmer, Ch. Helling (2016) A CHEMICAL KINETICS NETWORK FOR LIGHTNING AND LIFE IN PLANETARY ATMOSPHERES, *The Astrophysical Journal Supplement Series* 224, 1, 0049/224/1/9 • Source: arXiv, @2016
1815. Tabataba-Vakili, F., Grenfell, J. L., Grießmeier, J. M., & Rauer, H. (2016). Atmospheric effects of stellar cosmic rays on Earth-like exoplanets orbiting M-dwarfs. *Astronomy & Astrophysics*, 590, 10.1051/0004-6361/201526002, @2016
1816. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *World Applied Sciences Journal* 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5897/WASJ15.0001, @2016
1817. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udeaja, V.N., Anih, J.O., Onyia, A.I., Adieme, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, E. (2016) Cosmic Rays in the Atmosphere, *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)*, e-ISSN: 2319-2402, p- ISSN: 2319-2396, pp. 80-84, www.iosrjournals.org, @2016

- 1818.** Camille Bilger, Paul Rimmer, Gabriella Hodosan, C. R. Stark, R. L. Bailey, Christiane Helling (2017) St Andrews Centre for Exoplanet Science, International project, Andrews-Centre-for-Exoplanet-Science-2, **@2017**
- 1819.** Marisa E. Smith, N. J. B. Green, S. M. Pimblott (2018) Methods for the Simulation of the Slowing of Low-Energy Electrons in Water, Journal of Computational Physics, 354, 10.1002/jcc.25536, **@2018**
- 1820.** Panagiota Makrantonis, Anastasia Tezari, Argyris N. Stassinakis et al. (2022) Estimation of Cosmic-Ray-Induced Atmospheric Ionization and Radiation at Commercial Airports, Journal of Space Weather and Space Climate, 12(11):5297, DOI: 10.3390/app12115297, LicenseCC BY 4.0, **@2022** [Линк](#)
- 1821.** Mishev A. (2023) Cosmic Ray Spectra and Intensity in Middle Atmosphere (CORSIMA) Model. Use and Application for Galactic Cosmic Rays. Proceedings of the 2023 International Cosmic Ray Symposium, vol. 423, pp. 1-8, <https://pos.sissa.it/423/>, 2023, JCR-IF (Web of Science):0.21, **@2023** [Линк](#)
- 293.** Alexandrov L., Mishev A., **Velinov P. I. Y.** (2008) New Parameterization of Atmospheric Ionization Yield Function Produced by Cosmic Ray Protons in Wide Energy Range, Journal of Space Weather and Space Climate, 61, 4, 2008, 495-504. ISI IF:0.152
- Лумупа се е:
- 1822.** Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, **@2009**
- 1823.** Rami Vainio, Laurent Desorgher, Daniel Heynderickx, Marisa Storini, Erwin Flückiger, Richard B. Horne, Gennady A. Kovaltsov, Karel Kudela, Monica Laurenza, S. V. Ilya G. Usoskin (2009) Dynamics of the Earth's Particle Radiation Environment, Space Sci. Rev., 147, 187-231. <https://doi.org/10.1007/s11214-009-9496-7>, **@2009**
- 1824.** D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAAG Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., **@2011**
- 1825.** A. Belehaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012, **@2012**
- 294.** Mishev A., **Velinov P. I. Y.** (2008) The Contribution of Electromagnetic, Hadron and Muon Components to Atmospheric Ionization due to Solar Cosmic Rays. C. R. Acad. Bulg. Sci., 61, 4, 2008, 495-504. ISI IF:0.152
- Лумупа се е:
- 1826.** Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, **@2009**
- 1827.** Lachezar Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. Comptes rendus de l'Académie bulgare des sciences (5 citations), **@2010**
- 1828.** D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAAG Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., **@2011**
- 1829.** A. Belehaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012., **@2012**
- 1830.** Anastasia Tezari, Pavlos Paschalis, Helen Mavromichalaki, Pantelis Karaikos, Norma Crosby, Mark Dierckx (2020) Assessing Radiation Exposure Inside the European Space Agency's Spacecraft, Radiation Dosimetry, ncaa112, <https://doi.org/10.1093/rpd/ncaa112> Published: 09 September 2020, **@2020**

2009

- 295.** **Velinov P. I. Y.**, Yuskolov D.. (2009) New Orbital Distances Algorithm in Planetary Systems: The Moons of Uranus. Fundamental Space Research, pp. 245-249, Suppl. to Intern. FCR Conf., 21-28 September 2008, Sunny Beach, Bulgaria, 2009, ISSN:978-954-322-316-9
- Лумупа се е:
- 1831.** H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, C. R. Acad. Bulg. Sci., 62, 2022, Science):0.378, **@2022**
- 296.** **Velinov P. I. Y.**, Yuskolov D.. (2009) New Algorithm for the Orbital Distances Law in Solar System and in Exo-planetary Systems. Fundamental Space Research, pp. 250-254, Suppl. to Intern. FCR Conf., 21-28 September 2008, Sunny Beach, Bulgaria, RAS & BAS, 2009, ISSN:978-954-322-316-9
- Лумупа се е:
- 1832.** H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, C. R. Acad. Bulg. Sci., 62, 2022, Science):0.378, **@2022**
- 297.** **Velinov P. I. Y.**, Yuskolov D.. (2009) The Orbital Distances Algorithm in Planetary Systems: The Moons of Saturn. Fundamental Space Research, pp. 254-265, Suppl. to Intern. FCR Conf., 21-28 September 2008, Sunny Beach, Bulgaria, RAS & BAS, 2009, ISSN:978-954-322-316-9
- Лумупа се е:
- 1833.** H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, C. R. Acad. Bulg. Sci., 62, 2022, Science):0.378, **@2022**
- 298.** Mishev A., **Velinov P. I. Y.** (2009) Normalized Atmospheric Ionization Yield Functions Y for Different Cosmic Ray Nuclei Obtained with Recent CORSIKA Code Simulations. Journal of Space Weather and Space Climate, 640. ISI IF:0.204

Лумупа се е:

1834. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
 1835. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BA Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
 1836. A. Belehaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012., @2012
 1837. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/486
 1838. Umahi, A. E. (2016) Variability of Galactic Cosmic rays Flux and Solar Activities in the Earth's Atmospheric Environment, American-Eurasian J. Agric. & 10.5829/idosi.aejas.2016.16.5.10441., @2016
 1839. Kilifarska, N.A., Bakhmutov, V.G., Melnyk, G.V. (2020) The Hidden Link Between Earth' Magnetic Field and Climate, Elsevier, Amsterdam - Oxford - Cambridge, M 819346-4, 230 p.; Chapter 5. Galactic cosmic rays and solar particles in Earth's atmosphere, pp. 101-131., @2020
299. Usoskin I., Desorgher L., **Velinov P. I. Y.**, Storini M., Flueckiger E., Buetikofer R., Kovalstov G.. (2009) Ionization of the Earth's Atmosphere by Solar and Galactic Cosmic 57, No. 1/March, 88-101, VERSITA, Solipska 14A-1, 02-482 Warsaw, Poland, 2009, JCR-IF (Web of Science):1.67

Лумупа се е:

1840. A. Mishev, A. Bouklijski, L. Visca, O. Borla, J. Stamenov, A. Zanini. Recent Cosmic Ray Studies with Lead Free Neutron Monitor at Basic Environmental Observato 3(1): 26-28., @2008
1841. Bazilevskaya, G. A., et al. (2008) Cosmic ray induced ion production in the atmosphere, Space Science Reviews, 137, 1-4: 149-173., @2008
1842. F. Leblanc, K. Alplin, Y. Yair, R. Harrison, J. Lebreton, M. Blanc. Planetary Atmospheric Electricity, Springer Science, 2008, 532 p., @2008
1843. Kudela K., Cosmic Rays and Space Weather: Direct and Indirect Relations. 30th international cosmic ray conference, 2007, Merida, Mexico, pp. 1-16., @2008
1844. Christy Veeder (2009) Modeling climate and production-related impacts on ice-core beryllium-10. Submitted in partial fulfillment of the requirements for the degree School of Arts and Sciences, UMI Number: 3373568, COLUMBIA UNIVERSITY, USA, @2009
1845. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bul p., @2009
1846. de Witt T. D., J. Watermann (2009) Solar forcing of the terrestrial atmosphere, arXiv:0905.1812v1 [physics-space-ph] 12 May 2009, <https://arxiv.org/pdf/0905.1812.p>
1847. Erlykin, A.D., Sloan, T., Wolfendale, A.W. 2009, Solar activity and the mean global temperature , Environmental Research Letters, 4 (1) , art. no. 014006, @2009
1848. G.A. Bazilevskaya, V.S. Makhmutov, Y.I. Stozhkov, A. K. Svirzhevskaya, N. S. Svirzhevsky (2009) Dynamics of the ionizing particle fluxes in the Earth's atmosphere 2009, pp. 1-4., @2009
1849. Helen Mavromichalaki, George Souvatzoglou, Christos Sarlanis, George Mariatos, Athanasios Papaioannou, Anatoly Belov, Eugenia Eroshenko and Victor Yanke fo Ground Level Enhancement Alert Software at NMDB database. New Astronomy 2009, 15, Issue: 8, Pages: 744-748. <http://cosray.phys.uoa.gr/publications/D78.pdf>,
1850. Helen Mavromichalaki, George Souvatzoglou, Christos Sarlanis, George Mariatos, Athanasios Papaioannou, Anatoly Belov, Eugenia Eroshenko and Victor Yanke Neutron Monitor Database to establish an Alert signal. Proceedings of the 31st ICRC, ŁODZ 2009, pp. 1-4., @2009
1851. IFSI website - 2009. IFSI Istituto di Fisica dello Spazio Interplanetario, Pubblicazioni 2007, <http://www.ifi.rm.cnr.it/index.php?categoryid=64>, @2009
1852. M. Kulmala, I. Riipinen, T. Nieminen, M. Hultkonen, L. Sogacheva, H. E. Manninen, P. Paasonen, T. Petaj, M. Dal Maso, P. P. Aalto, A. Viljanen et al. Atmospher between galactic cosmic rays and new particle formation. Atmos. Chem. Phys. Discuss., 9, 21525-21560, 2009 www.atmos-chem-phys-discuss.net/9/21525/2009/,
1853. Mishev A.L. Atmospheric transparency Studies on the Basis of Cherenkov light Measurements. Proc. of International Conference, Fundamental Space Research 127., @2009
1854. Mishev, A. (2009) Possible Atmospheric Transparency Studies on the Basis of Cherenkov Light Measurements. arXiv preprint arXiv:0910.1662., @2009
1855. Souvatzoglou, G. (2009). GLE alert and the prediction of SEP events using NM data. Cosmic Rays and Neutron Monitors – a training course in science and applic Greece, NMDB LAB Exercise 3, pp. 9-14. <http://www01.nmdb.eu/>, @2009
1856. Vainio Rami et al. Dynamics of the Earth's Particle Radiation Environment SPACE SCIENCE REVIEWS Volume: 147 Issue: 3-4 Pages: 187-231, @2009
1857. de Wit, T. D., & Watermann, J. (2010) Solar forcing of the terrestrial atmosphere. Comptes Rendus Geoscience, 342(4), 259-272., @2010
1858. Goderdzi Didebulidze, Maya Todua, Giorgi Javakhishvili (2010) Cosmic factors in the inter-annual and long-term variations of cloudless days and nights over Abastum sporadic E under influence of atmospheric waves, URL https://www.researchgate.net/publication/253350452_Cosmic_term_variations_of_cloudless_days_and_nights_over_Abastumani_4175_N_4282_E, @2010
1859. Kovaltsov, G. (2010) A new 3D numerical model of cosmogenic nuclide ¹⁰Be production in the atmosphere, Earth and Planetary Science Letters, Elsevier, Volume 2
1860. L. Mateev. Simulation of Ionization Profiles of Cosmic Rays in the Middle Atmosphere during Moderate Solar Activity. C.R. Acad. bulg. Sci., 2010, 63, 4, 593 - 600. (
1861. M Calisto. Influence of energetic particle precipitation on atmospheric chemistry and climate. 2010, DISSERTATION submitted to the ETH ZURICH for the PhD c ftp://iacftp.ethz.ch/pub_read/mcalisto/Thesis_V4.pdf (3 citations), @2010
1862. M. Kulmala, I. Riipinen, T. Nieminen, M. Hultkonen, L. Sogacheva, H. E. Manninen, P. Paasonen, T. Petaj, M. Dal Maso, P. P. Aalto, A. Viljanen et al. Atmospher between galactic cosmic rays and new particle formation. Atmospheric chemistry and physics, Vol.: 10 (4), 1885-1898, 2010. www.atmos-chem-phys.net/10/1885/20
1863. Mavromichalaki, H., Souvatzoglou, G., Sarlanis, C., Mariatos, G., Papaioannou, A., Belov, A., ... & Yanke, V. (2010). Implementation of the ground level enhancement Astronomy, 15(8), 744-748., @2010
1864. Mishev A.L. Possible Atmospheric Transparency Studies on the Basis of Cherenkov Light Measurements. <http://arxiv.org/ftp/arxiv/papers/0910/0910.1662.pdf>, @20

1865. Raichenko, L. V. (2010) The impact of solar corpuscular radiation on the Earth's atmosphere: the current state of the problem. *Geofizicheskiy zhurnal*, 32(5), 82-101.
1866. Ryunosuke Kikuchi. External Forces Acting on the Earth's Climate: An Approach to Understanding the Complexity of Climate Change. *Energy & Environment*, Volume 21, 968., @2010
1867. Л.В. Райченко (2010) Воздействие солнечного корпускулярного излучения на атмосферу Земли: современное состояние проблемы, *Геофизический журнал*.
1868. Calisto M. et al.(2011) Influence of Galactic Cosmic Rays on atmospheric composition and dynamics, *Atmospheric Chemistry and Physics* 11(10):4547-4556, DOI: 10.5194/acp-11-4547-2011, @2011
1869. Calisto M. (2011) et al. Influence of Galactic Cosmic Rays on atmospheric composition and dynamics. *Atmospheric Chemistry and Physics*, 11(9), 4547-4556., @2011
1870. Calisto, M. (2011) Influence of energetic particle precipitation on atmospheric chemistry and climate. Doctoral PhD Thesis, DISS. ETH NO. 19252, e-collection.library.ethz.ch, 006382983, @2011
1871. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS, Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
1872. English J. M.; Toon O. B.; Mills M. J.; Yu F. (2011) Microphysical simulations of new particle formation in the upper troposphere and lower stratosphere, *Atmospheric Chemistry and Physics* Issue: 17 Pages: 9303-9322 DOI: 10.5194/acp-11-9303-2011, @2011
1873. English, J. M. (2011). A Sectional Microphysical Model to Study Stratospheric Aerosol: Ions, Geoengineering and Large Volcanic Eruptions (Doctoral dissertation, University of Oxford).
1874. Fernando Simoes, Robert Pfaff, Jean-Jacques Berthelier, Jeffre. A Review of Low Frequency Electromagnetic Wave Phenomena Related to Tropospheric-Ionospheric Coupling Mechanisms. *Reviews (Impact Factor: 5.87)*. 06/2011; 168(1-4):1-43., @2011
1875. G. Gronoff, C. Mertens, J. Liliensten et al., Ionization processes in the atmosphere of Titan, *Astronomy and Astrophysics* 529, Page A143 • May 2011, DOI: 10.1051/aa/2011051, @2011
1876. J.M., Toon, O.B., Mills, M.J., Yu, F. 2011, Microphysical simulations of new particle formation in the upper troposphere and lower stratosphere. *Atmospheric Chemistry and Physics* 11(9):9322., @2011
1877. J.M., Toon, O.B., Mills, M.J., Yu, F. 2011, Microphysical simulations of new particle formation in the upper troposphere and lower stratosphere. *Atmospheric Chemistry and Physics* 11(12):12441-12486., @2011
1878. Lewis R. Dartnell (2011) Ionizing Radiation and Life, *Review, Astrobiology*. Jul-Aug 2011;11(6):551-582. doi: 10.1089/ast.2010.0528, @2011
1879. Mavromichalaki H., Papaioannou A., Plainaki C. et al. (2011) Applications and usage of the real-time Neutron Monitor Database. *Advances in Space Research*, Volume 50, JUN 15 2011., @2011
1880. Melott, A.L., Thomas, B.C. 2011, Astrophysical ionizing radiation and earth: A brief review and census of intermittent intense sources. *Astrobiology* 11 (4) , pp. 343-354.
1881. Sharon Clark. Sylvia Teresa Land, nee Ballard: 14 July 1935–17 November 2010, *Homeopathy* 01/2011; 100(1): 106-106., @2011
1882. Tonev, P. ELECTRIC RESPONSE OF HIGH LATITUDINAL MIDDLE ATMOSPHERE TO SOLAR WIND CHARACTERISTICS STUDIED BY MODEL SIMULATIONS. Conference with International Participation SPACE, ECOLOGY, SAFETY, 29 November – 1 December 2011, Sofia, Bulgaria, pp. 49-54., @2011
1883. 太阳活动 11 年周期对气象参数影响 张晓芳 · 刘松涛, 查石祥 · 易欣 - *地球物理学进展*, 2011 - cqvip.com 利用多种资料研究了太阳活动 11 年周期 (SST) 的影响, 结果表明:(1) 在第 21, 22 太阳活动周, 中低纬时流层顶以上大气温度变化具有类似太阳黑子变化的 11 年左右周期, 相对于太阳黑子活动性; 相对于太阳活动低年, 200 ..., @2011
1884. 张晓芳, 刘松涛, 查石祥, & 易欣. (2011). 太阳活动 11 年周期对气象参数影响. *地球物理学进展*, 26(1), 172-181. 2011 - manu39.magtech.com.cn, @2011
1885. Cooke, A. (2012). *Cosmic Crisis*. In *Astronomy and the Climate Crisis* (pp. 251-273). Springer New York., @2012
1886. F Simoes, R Pfaff, JJ Berthelier, J Klenzing. A review of low frequency electromagnetic wave phenomena related to tropospheric-ionospheric coupling mechanisms. *Journal of Atmospheric and Terrestrial Physics*, June 2012, Volume 168, Issue 1-4, pp 551-593., @2012
1887. Girish, T. E., & Gopkumar, G. (2012) Secular changes in the solar terrestrial conditions observed during sunspot minima: Some implications for the earth's ionosphere. *Journal of Atmospheric and Terrestrial Physics*, 2012, 83-88., @2012
1888. Kovaltsov, G. A., et al. (2012) A new model of cosmogenic production of radiocarbon ¹⁴C in the atmosphere. *Earth and Planetary Science Letters*, 337, 114-120., @2012
1889. Kovaltsov, G. A., et al. (2012) A new model of cosmogenic production of radiocarbon ¹⁴C in the atmosphere. *arXiv preprint arXiv:1206.6974*., @2012
1890. M. Calisto, P. T. Verronen, E. Rozanov, T. Peter, Influence of a Carrington-like event on the atmospheric chemistry, temperature and dynamics: Revised , *Atmospheric Chemistry and Physics* 12(9):8686 • September 2012 DOI: 10.5194/acp-12-8679-2012, @2012
1891. P. Bobik, K. Kudela, B. Pastircak, A. Santangelo, M. Bertaina, K., Distribution of secondary particles intensities over Earth's surface: Effect of the geomagnetic field. *Journal of Atmospheric and Terrestrial Physics*, Factor: 1.24). 10/2012; 50(7):986–996., @2012
1892. Tonev P. 2012, Electric Response of High Latitudinal Middle Atmosphere to Solar Wind Characteristics Studied by Model Simulations. *Proceedings SES 2011, Conference with International Participation* (Sofia, December 2011), BAS and BAF, pp. 1 - 6., @2012
1893. Tonev P. 2012, Estimation of Currents in Global Atmospheric Electric Circuit with Account of Transpolar Ionospheric Potential. *C.R. Acad. bulg. Sci.*, 65, 11. (3 citations)
1894. Alexander Mishev (2013) Short- and Medium-Term Induced Ionization in the Earth Atmosphere by Galactic and Solar Cosmic Rays, *International Journal of Atmospheric and Earth Space Research*, 184508, 9 pages <http://dx.doi.org/10.1155/2013/184508> , LicenseCC BY 3.0, @2013
1895. Calisto, M. et al. (2013). Influence of a Carrington-like event on the atmospheric chemistry, temperature and dynamics: revised. *Environmental Research Letters*, 8(4), 045001, @2013
1896. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing Hause, Sofia, 2013. (6 citations: p. 1, 5, 6, 7, 17, 38), @2013
1897. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [17 citations - p. 1, 126 (2), 134, 156], @2013
1898. A.L. Mishev. Computation of radiation environment during ground level enhancements 65, 69 and 70 at equatorial region and flight altitudes. *Advances in Space Research* 2014, Pages 528–535., @2014

1899. C J Scott, R G Harrison, M J Owens. Evidence for solar wind modulation of lightning. *Environmental Research Letters* 05/2014 9(5):055004. (IF 4.28), @2014
1900. K. L. Yeo, N. A. Krivova, S. K. Solanki, and K. H. Glassmeier (2014) Reconstruction of total and spectral solar irradiance from 1974 to 2013 based on KPVT, *SoHO* 570, A85 (2014), DOI: 10.1051/0004-6361/201423628, @2014
1901. V. G. Bakhmutov, V. F. Martazinova, N. A. Kilifarska, G. V. Melnyk, E. K. Ivanova, 2014. Geomagnetic field and climate variability. 1. Spatial-temporal distribution of g during XX century. *Geofiz. J.*, 1, v. 36, 2014, pp. 81-104. (2 citations), @2014
1902. Yordan Tassev, Natalia Kilifarska, Dimitrinka Tomova, Statistical Analysis of Solar Proton Flux Influence on Thermodynamics of Middle Atmosphere in the North Hem *bulgare des Sciences*, Vol 67, No1, pp.95-100, @2014
1903. Zigman, V., Kudela K., Grubor D., Response of the Earth's lower ionosphere to the Ground Level Enhancement event of December 1 <http://dx.doi.org/10.1016/j.asr.2013.12.026>, @2014
1904. Бахмутов, В. Г., Мартазинова, В. Ф., Килифарска, Н. А., Мельник, Г. В., & Иванова, Е. К. (2014). Связь изменений климата с геомагнитным полем. 1. Г магнитного поля Земли и климата в XX в. *Геофизический журнал*, Т. 36, № 1. — С. 81-104. — Библиогр.: 81 назв. — рос., @2014
1905. Alexander Mishev (2015) Computation of ionization effect due to cosmic rays in polar middle atmosphere during GLE 70 on 13 December 2006, *Proc. ICRC* www.pos.sissa.it, @2015
1906. Fachreddin Tabataba-Vakili, J. L. Grenfel, IJ.-M. Griebmeier, H. Rauer (2015) Atmospheric effects of stellar cosmic rays on Earth-like exoplanets orbiting M-dwarfs 10.1051/0004-6361/201425602, @2015
1907. G Souvatzoglou. GLE alert and the prediction of SEP events using NM data. Cosmic Rays and Neutron Monitors—a training course in science, 7FP of EU, - <http://www>
1908. Irina A. Mironova, Karen L. Aplin, Frank Arnold, Galina A. Bazilevskaya, Energetic Particle Influence on the Earth's Atmosphere, *Space Science Reviews* 194(1) • 015-0185-4, @2015
1909. Mishev, A. (2015) Computation of ion production rate induced by cosmic rays during Bastille day ground level enhancement, *Proc. ICRC - 2015, Proceedings of Sci*
1910. Mishev, A. L., et al. (2015) Computation of dose rate at flight altitudes during ground level enhancements no. 69, 70 and 71. *Advances in Space Research*, 2015, 55
1911. N A Kilifarska. (2015) Bi-decadal solar influence on climate, mediated by near tropopause ozone, *Journal of Atmospheric and Solar-Terrestrial Physics* 136 (8), DOI:
1912. Tabataba-Vakili F., J. L. Grenfel, IJ.-M. Griebmeier, H. Rauer (2015) Atmospheric effects of stellar cosmic rays on Earth-like exoplanets orbiting M-dwarfs, a 2015, @2015
1913. Artamonov, A. et al. (2016) Model CRAC: EPII for atmospheric ionization due to precipitating electrons: yield function and applications. *Journal of Geophysical Rese* 2, February 2016, Pages 1736–1743, DOI: 10.1002/2015JA022276, @2016
1914. Brian C. Thomas, Patrick Neale, Adrian Melott (2017) Effects on Earth's Biosphere by Nearby Gamma-Ray Bursts, Project, Washburn University, Smithsonian E https://www.researchgate.net/project/Effects-on-Earths-Biosphere-by-Nearby-Gamma-Ray-Bursts?_tab=references&_pubid=225150402, @2016
1915. Didebulidze, G. G., & Todua, M. (2016). The inter-annual distribution of cloudless days and nights in Abastumani: Coupling with cosmic factors and climate cha *Terrestrial Physics*, 141 (10), 48-55. DOI: 10.1016/j.jastp.2015.10.004, @2016
1916. Jason M. English (2016) A Sectional Microphysical Model to Study Stratospheric Aerosol: Ions, Geoengineering and Large Volcanic Eruptions. A thesis submitted to t University of Colorado in partial fulfillment of the requirements for the degree of Doctor of Philosophy Atmospheric and Oceanic <https://www.researchgate.net/publication/258542011> [accessed Oct 20, 2016], @2016
1917. Matthes K., B. Funke, M. E. Anderson, L. Barnard (2016) Solar Forcing for CMIP6 (v3.1) Geoscientific Model Development Discussions • June 2016, DOI: 10.5194/g
1918. Silva H., I. Lopes (2016) Phase-Space Representation of Neutron Monitor Count Rate and Atmospheric Electric Field in relation to Solar Activity in Cycles 21 and 22 10.1186/s40623-016-0504-3, @2016
1919. Tabataba-Vakili, F., Grenfell, J. L., Griebmeier, J. M., & Rauer, H. (2016). Atmospheric effects of stellar cosmic rays on Earth-like exoplanets orbiting M-dwarfs. *Astron*
1920. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *World Applied Sciences Journal* 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5829/
1921. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *IOSR Journal of Applied Physics (IOSR-JAP)*, 8 (4) Ver. II (Jul. - www.iosrjournals.org, @2016
1922. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, *Middle-East Journal o* 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
1923. Umahi, A. E. (2016) Variability of Galactic Cosmic rays Flux and Solar Activities in the Earth's Atmospheric Environment, *American-Eurasian J. Agric. &* 10.5829/idosi.ajeas.2016.16.5.10441., @2016
1924. Umahi, A. E. (2016) Impact of High Energy Charged Galactic Particle Variations in the Earth's Atmosphere, *Middle-East Journal of Scientific* 10.5829/idosi.mejsr.2016.24.05.23456, @2016
1925. Umahi, A. E. (2016) Impact of Space Radiation in the Earth's Atmosphere, *American-Eurasian J. Agric. & Environ. Sci.*, 16 (5), 868-873, DOI: 10.5829/idosi.ajeas.2
1926. Umahi, A. E., (2016) Solar Modulation on Galactic Cosmic Rays in the Earth's Atmosphere, *IOSR Journal of Applied Physics (IOSR-JAP)* e-ISSN: 2278-4861.Volum 32-37, www.iosrjournals.org, @2016
1927. Umahi, A.E, (2016). Earth's Environmental Pollution from Galactic Cosmic Rays Flux, *World Applied Science Journal*, 34 (3), 338-342, DOI: 10.5829/idosi.wasj.2016
1928. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udeaja, V.N., Anih, J.O., Onyia, A.I., Adieme, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, Cosmic Rays in the Atmosphere, *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)*, e-ISSN: 2319-2402, p- ISSN: 2319-235 pp. 80-84, www.iosrjournals.org, @2016
1929. Ajitha Devarajan, Alexander Gaenko, Mark S. Gordon, and Theresa L. Windus (2017) Nucleation Using the Effective Fragment Potential and Two-Level Parallelism, S. Gordon, Fragmentation: Toward Accurate Calculations on Complex Molecular Systems, 376 pages, Publ. by J. Wiley & Sons Ltd, ISBN: 978-1-119-12924-0, @2
1930. Katja Matthes, Bernd Funke, Monika E. Andersson, Luke Barnard, Jürg Beer, Paul Charbonneau, Mark A. Cilver, Thierry Dudok de Wit, Margit Haberleiter, Aaron Kretschmar, Tim Kruschke, Markus Kunze, Ulrike Langematz, Daniel R. Marsh, Amanda Maycock, Stergios Misios, Craig J. Rodger, Adam A. Scaife, Annika Sepp

- Kleareti Tourpali, Max van de Kamp, Pekka T. Verronen, Stefan Versick (2017) Solar forcing for CMIP6 (v3.2), *Geoscientific Model Development* 10(6):2247-2302, 2017, @2017
1931. Kilifarska N. (2017) Mechanism for connection between the cosmic rays, geomagnetic field and Earth's climate, Dissertation for obtaining scientific degree "Doctor of Sciences", Bulgarian Academy of Sciences, Sofia 2017, 142 p. Килицарска Н. (2017) Механизъм за връзка между космическите лъчи, геомагнитното поле и климата на Земята, научната степен "доктор на физическите науки", НИИГГГ при БАН, София 2017, 142 стр., @2017
1932. Mishev, A., et al. (2017) Assessment of spectral and angular characteristics of sub-GLE events using the global neutron monitor network. *Journal of Space Weather and Space Climate*, 1(1), 1-10, @2017
1933. Mishev, A.; Artamonov, A.; Kovalstov, G. et al. (2017) Updated model CRAC:HEPII of atmospheric ionization due to high energy protons, 35th International Cosmic Ray Conference, Busan, Korea, Proceedings of Science, Vol. 301. Online at <https://pos.sissa.it/cgi-bin/reader/conf.cgi?confid=301>, id.79, @2017
1934. R. D. Jolitz, C. F. Dong, C. O. Lee, R. J. Lillis, D. A. Brain, S. M. Curry, S. Bougher, C. D. Parkinson, B. M. Jakosky (2017) A Monte Carlo Model of Crustal Field Induced Precipitation into the Martian Atmosphere, *Journal of Geophysical Research: Space Physics* · April 2017 DOI: 10.1002/2016JA023781, @2017
1935. C. L. Z. Vieira, E. Janot-Pacheco, C. Lage, A. Pacini, P. Koutrakis, P. R. Cury, H. Shaodan, L. A. Pereira, P. H. N. Saldiva (2018) Long-term association between cosmic ray rates in the city of Sao Paulo, *Environmental Research Letters*, 13(2), 024009. <http://iopscience.iop.org/article/10.1088/1748-9326/aaa27a/meta> (4 citations), @2018
1936. Mishev A. et al. (2018) Neutron monitor count rate increase as a proxy for dose rate assessment at aviation altitudes during GLEs, *J. Space Weather and Space Climate*, <https://doi.org/10.1051/swsc/2018032>, @2018
1937. Rutjes, Casper (2018) Modeling high energy atmospheric physics and lightning inception, PhD Thesis, 258 p., PROEFSCHRIFT ter verkrijging van de graad van doctor in de Natuurkunde, Eindhoven, the Netherlands; PhD Thesis for Doctor of Philosophy, 258 p., Department of Applied Physics, Eindhoven University of Technology, Eindhoven, the Netherlands, 978-94-028-0965-7, @2018
1938. Samia Gurmani, N. Ahmad, Jose Tacza, T. Iqbal (2018) First seasonal and annual variations of atmospheric electric field at a subtropical station in Islamabad, Pakistan, *Solar-Terrestrial Physics*, DOI: 10.1016/j.jastp.2018.09.011, @2018
1939. Sourav Palit, Jean-Pierre Raulin, Emilia Correia (2018) Lower Ionospheric Plasma-Chemical Evolution and VLF Signal Modulation by a Series of SGR X-Ray Bursts, *Journal of Geophysical Research: Space Physics*, 08 September 2018, <https://doi.org/10.1029/2018JA025773>, @2018
1940. Zemnov K., E. Chashchin, A. Artamonov, K. Golubenko, M. Onuhina (2018) Balloon studies as a method of modeling the effects of space radiation, *Medicine of Extraterrestrial and Aerospace*, K.E., Чашин Е.Д., Артамонов А.А., Голубенко К.С., Онучина М.П. Баллонные исследования как способ моделирования воздействия космической радиации, 2018; 20 (2): 232-239., @2018
1941. Bouzekova-Penkova A., P. Tzvetkov (2019) Investigation of Outer Space Influence on Structural Properties of Strengthened 7075 Aluminum Alloy. *Experiments Onboard International Space Station*, C. R. Acad. Bulg. Sci., 72 (7), 939-946., @2019
1942. Casper Rutjes, Ute Ebert, Stijn Buitink, Olaf Scholten, Thi Ngoc Gia Trinh (2019) Generation of Seed Electrons by Extensive Air Showers, and the Lightning Inception, *Journal of Geophysical Research: Atmospheres - AGU Publications*, <https://doi.org/10.1029/2018JD029040>, @2019
1943. Evgeniy Maurchev, Yuriy Balabin, Aleksei Vladimirovich Germanenko, Evgeniya Mikhalko, Boris Gvozdevsky (2019) Calculating the ionization rate induced by GCR in the Earth's atmosphere, *Solar-Terrestrial Physics*, Vol. 5, № 3, pp. 68-74. September 2019, DOI: 10.12737/szf-53201908, @2019
1944. G. K. Ustinova, V. A. Alexeev (2019) Variations of Cosmogenic Radionuclide Production Rates in Chondrites of Known Orbits, *Doklady of the Russian Academy of Sciences*, Physics, 64(3):139-143. ISSN 1028-3358, DOI: 10.1134/S1028335819030029, @2019
1945. К. Устинова, В. А. Алексеев (2019) ВАРИАЦИИ СКОРОСТЕЙ ОБРАЗОВАНИЯ КОСМОГЕННЫХ РАДИОНУКЛИДОВ В ХОНДРИТАХ С ИЗВЕСТНЫМИ ОРБИТАМИ (РАН), том 485, No 1, с. 33–37. DOI: <https://doi.org/10.31857/S0869-5652485133-37>, @2019
1946. МАУРЧЕВ Е.А., БАЛАБИН Ю.В., ГЕРМАНЕНКО А.В., МИХАЛКО Е.А., ГВОЗДЕВСКИЙ Б.Б (2019) РАСЧЕТ СКОРОСТИ ИОНИЗАЦИИ ВЕЩЕСТВА КОСМОГЕННЫМИ РАДИОНУКЛИДАМИ ГАЛАКТИЧЕСКИХ И СОЛНЕЧНЫХ КОСМИЧЕСКИХ ЛУЧЕЙ, СОЛНЕЧНО-ЗЕМНАЯ ФИЗИКА, 5 (3), 81-88. Издательство: Институт солнечно-земной физики СО РАН, академии наук (Иркутск), ISSN: 2412-4737. Импакт-фактор журнала: 0, 251, @2019
1947. Anna Bouzekova-Penkova, Silviya Simeonova, Rositza Dimitrova, Rayna Dimitrova (2020) Structural Properties of Aluminium Alloy Enhanced by Nanodiamond and Nanoparticles, *Compt. rend. Acad. bulg. Sci.*, Vol 73, No9, pp.1270-1276., @2020
1948. Bouzekova-Penkova A., Yordan Mirchev (2020) Destructive and Nondestructive Testing of the Mechanical Properties of Aluminium Alloy Enhanced by Nanodiamond and Nanoparticles, *Comptes rendus de l'Academie bulgare des Sciences*, Vol. 73, No. 4, pp. 547-552., @2020
1949. Dhillip K.S., S. Shivakumar (2020) Solar Biosphere Interrelations and Biological Effects – A case for closer scrutiny, *Research Letter*, [PDF] [researchgate.net/publication/358193464_Solar_Biosphere_Interrelations_and_Biological_Effects_-_A_case_for_closer_scrutiny](https://www.researchgate.net/publication/358193464_Solar_Biosphere_Interrelations_and_Biological_Effects_-_A_case_for_closer_scrutiny), related:mgodRMdMh-AJ:scholar.google.com/&scioq = &hl = bg&as_sdt = 2005&sciodt = 0, 5&as_ylo = 2020 , Premise - This material has been prepared again for the first time – COVID-19ll, to turn a spotlight on hybrid research attempts seeking –scientifically tenablell answers to a few significant questions the pandemic has raised., @2020
1950. G. K. Ustinova, V. A. Alexeev (2020) Monitoring of Spatial and Temporal Variations in the Production Rates of Cosmogenic Radionuclides in Chondrites of Different Orbits, *International Journal of Space and Astronautics*, 58(5):487-499. DOI: 10.1134/S0016702920050110, @2020
1951. Galina Ustinova, Victor Alexeev (2020) Temporal and Spatial Variations of Cosmogenic Radionuclide Production Rates in Chondrites During Their Passage Through the Earth's Atmosphere, *Journal of Physics and Applications*, Volume 8, Issue 3, May 2020, Pages: 29-39. doi: 10.11648/j.ajpa.20200803.11, @2020
1952. K. M. Sridhar, M. Sridhar, Swapna Raghunath, D. Venkata Ratnam (2020) Ionospheric anomaly detection and Indian ionospheric climatology from GAGAN receiver network, *Journal of Space Weather and Space Climate*, 10.1007/s40328-020-00290-9, pp. 3-15., @2020
1953. Kilifarska, N.A., Bakhmutov, V.G., Melnyk, G.V. (2020) The Hidden Link Between Earth' Magnetic Field and Climate, Elsevier, Amsterdam - Oxford - Cambridge, MA, 819346-4, 230 p.; Chapter 5. Galactic cosmic rays and solar particles in Earth's atmosphere, pp. 101-131., @2020
1954. Natalya Andreeva Kilifarska, Vladimir Bakhmutov, G. V. Melnyk 2020 Geomagnetic field's imprint on the 20-th century climate variability, Project: Geomagnetic field and its impact on the Earth's climate, London Special Publications 497(1):SP497-2019-38, DOI: 10.1144/SP497-2019-38, @2020
1955. Okpala Kingsley Chukwudi, Abejoye Sylvester Ajisafe, Tsor James (2020) Effect of Some Solar Energetic Events on Cosmic Ray (CR) Ground Level Enhancement (GLE) and Space Science. Vol. 8, No. 1, pp. 1-10. doi: 10.11648/j.ijass.20200801.11, @2020
1956. Q. Wu, H. Li, C. Wang (2020) Short-term Lightning Response to Ground Level Enhancements, *Frontiers in Physics*, 8:348. Doi: 10.3389/fphy.2020.00, @2020

1957. Safinaz A. Khaled, Luc Damé, Mohamed A. Semeida, Magdy Y. Amin, Ahmed Ghitas, Shahinaz Yousef et al. (2020) Variations of the Hydrogen Lyman Alpha Line through 2019-2020 using SORCE/SOLSTICE Data, *Comptes rendus de l'Académie bulgare des Sciences*, Vol 73, No9, pp.1260-1269., @2020
1958. Spencer Hatch, Stein Haaland, Karl M. Laundal, T. Moretto, A.W.Yau, L. Bjoland, J. P. Reistad, A. Ohma, Kjellmar Oksavik (2020) Seasonal and hemispheric asymmetries in the F-region polar cap plasma density: Swarm and CHAMP observations of F-region polar cap plasma density, *Journal of Geophysical Research: Space Physics*, 125, e2020JA028084. <https://doi.org/10.1029/2020JA028084>. @2020
1959. Tezari, Anastasia. Paschalis, Pavlos. Mavromichalaki, Helen. Karaikos, Pantelis. Crosby, Norma. Dierckxsens, Mark (2020) Assessing Radiation Exposure in Space: A Review of Current Data and Future Prospects, *Protection Dosimetry* 190(4), 427–436. DOI: 10.1093/rpd/ncaa112, @2020 [Линк](#)
1960. Г. К. Устинова, В. А. Алексеев (2020) МОНИТОРИНГ ВРЕМЕННЫХ И ПРОСТРАНСТВЕННЫХ ВАРИАЦИЙ СКОРОСТЕЙ ОБРАЗОВАНИЯ КОСМОГЕННЫХ РАДИОНУКЛИДОВ НА ЗЕМЛЮ ХОНДРИТАХ С РАЗНЫМИ ОРБИТАМИ, *ГЕОХИМИЯ*, том 65, № 5, с. 417–430. DOI: 10.31857/S0016752520050131., @2020
1961. Andonov B., R. Bojilova, P. Mukhtarov (2021) Global distribution of Total Electron Content response to weak geomagnetic activity, *C. R. Acad. Bulg. Sci.* 74 (7), 103–108, @2021
1962. Guineva V., R. Werner, R. Bojilova, L. Raykova, I. V. Despirak (2021) Mid-latitude positive bays during substorms by quiet and disturbed conditions, *C. R. Acad. Bulg. Sci.* 74 (2), 197–206., @2021
1963. Lucas Liuzzo, Carol Paty, Corey Cochran, Tom Nordheim, Adrienn Luspai-Kuti, Julie Castillo-Rogez, Kathleen Mandt, Karl L. Mitchell, Mats Holmström, Peter A. Breen, Steven D. Vance, Louise Prockter (2021) Triton's Variable Interaction with Neptune's Magnetospheric Plasma, *Journal of Geophysical Research*, 126, e2021JA029740, @2021
1964. Makrantonis P., H. Mavromichalaki, P. Paschalis (2021) Solar cycle variation of the ionization by cosmic rays in the atmosphere at the mid-latitude region of Athens, *Journal of Space Weather and Space Climate*, 15, 152001, DOI: 10.1007/s10509-021-03978-8, Springer, @2021
1965. Mauricev E.A., Germanenko A.V., Balabin Yu.V. (2021) Modeling of the Earth atmosphere ionization by the galactic cosmic rays and solar wind, *Journal of Space Weather and Space Climate*, 15, 152001, [https://files.ikir.ru/users/larionov/conf2021/reports/28 sep/Mauricev.pdf](https://files.ikir.ru/users/larionov/conf2021/reports/28%20sep/Mauricev.pdf), @2021
1966. Moiya Adar Scanlon McTier (2021) Why Are We Here?: Constraining the Milky Way's Galactic Habitable Zone, PhD Thesis for the degree of Doctor of Philosophy, University of Arizona Press, 2021. 28418736, USA., @2021
1967. Teodosiev D., A. Bouzekova-Penkova, K. Grigorov, R. Nedkov, P. Tzvetkov, B. Tsyntsarski, A. Kosateva, S. Klimov, V. Grushin (2021) Structural and Mechanical Properties of Polymers during an Extended Stay on the International Space Station (ISS), *C. R. Acad. Bulg. Sci.*, 74 (2), 197–206., @2021
1968. Werner R., V. Guineva, A. Atanasov, D. Valev, D. Danov, B. Petkov, A. Kirillov (2021) Ultraviolet radiation levels over Bulgarian high mountains, *Aerospace Res.*, 10, 103897/arb.v33.e03, @2021
1969. Abeer Elshoukrofy (2022) The amplitude and phase distributions of cosmic ray variation at different conditions of Forbush decrease, *Results in Physics* 43, DOI: 10.1016/j.rinp.2022.106076, @2022 [Линк](#)
1970. Ahmed Naceur, Gabriel Famulari, Charles Bienvenue, Jean-François Carrier, Alain Hébert (2022) Impacts of Nuclear-Reactor-Physics Models for Secondary Photon Transport Problems, *Physical Review Applied* 18(5), DOI: 10.1103/PhysRevApplied.18.054015, @2022
1971. Dimitar Ouzounov (Chapman University, CA, USA), Galina Khachikyan (Institute of Ionosphere, Almaty, Kazakhstan) (2022) On the impact of the geospace environment on the occurrence of earthquakes, LicenseCC BY-NC-ND 4.0, arXiv [physics.geo-ph] 16 February 2022, @2022
1972. Dobrev P., O. Nitcheva, M. Kartalev (2022) Verification of Ion Density in Magnetosheath Using THEMIS Satellite Plasma Measurements, *C. R. Acad. Bulg. Sci.*, 75 (1), 99–101, @2022
1973. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radiolines between aircraft in the atmosphere of Jupiter and station on Earth, *C. R. Acad. Bulg. Sci.*, 75 (1), 99–101, @2022
1974. Jana Popová, Zbyněk Sokol, Jakub Šlegl, Pao Wang, Yen-Liang Chou (2022) Research cloud electrification model in the Wisconsin dynamic/microphysical model during a thunderstorm and its dependence on ion generation rate, *Atmospheric Research*, DOI: 10.1016/j.atmosres.2022.106090, @2022
1975. Joao Moreno, Filipa Moreno, Francisco Fatela, Eduardo Leorri (2022) Examining the role of solar activity, climate, and the socio-historical context in high-altitude research in the BOREAS An international journal of quaternary research, Published by John Wiley & Sons Ltd, Impact factor:2.587, DOI: 10.1111/bor.12563. ISSN: 0300-9483., @2022
1976. Panagiota Makrantonis, Anastasia Tezari, Argyris N. Stassinakis et al. (2022) Estimation of Cosmic-Ray-Induced Atmospheric Ionization and Radiation at Commercial Airports, *Journal of Space Weather and Space Climate*, 16, 12115297, DOI: 10.3390/app12115297, LicenseCC BY 4.0, @2022 [Линк](#)
1977. S.El. Shalabyam H.A.Motaweh, M.Y.Hanfi, M.I.Sayyedc, A.A.Darwishd, A.Sh., M.Elshoukrofy (2022) The amplitude and phase distributions of cosmic ray variation at different conditions of Forbush decrease, *Results in Physics*, Elsevier, 43, DOI: 10.1016/j.rinp.2022.106076, LicenseCC BY 4.0, @2022
1978. Sotirios A. Mallios, Athanasios Papaioannou, Konstantin Herbst (2022) Study of the Ground Level Enhancements effect on atmospheric electric properties and magnetic field, *Atmospheric and Solar-Terrestrial Physics*, DOI: 10.1016/j.jastp.2022.105871, @2022
1979. Susanna Pätsi, Alexander Mishev et al. (2022) Ionization effect in the Earth's atmosphere due to cosmic rays during the GLE 71 on 17 May 2012, *Advances in Space Research*, 2022, Pages 2893-2901., @2022
1980. Christine Elisabeth Hellweg, Carmen Arena, Sarah Baatout, Bjorn Baselet, Kristina Beblo-Vranesovic, Nicol Caplin, Richard Coos, Fabiana Da Pieve, Veronica D'Amico, Anne-Catherine Heuskin, Jessica Kronenberg, Tetyana Milojevic, Silvana Miranda, Victoria Moris, Sébastien Penninckx, Wilhelmina E. Radstake, Emil Rehnberg, Peter Doninck, Olivier Van Hoey, Guillaume Vogin & Yehoshua Socol (2023) Space Radiobiology, In book: Radiobiology Textbook, DOI: 10.1007/978-3-031-18810-7_10, @2023
1981. D. K. Tripathi, S. Karan, S. Nandi (2023) A critical review on attenuation of radio waves due to variation in electron density of ionosphere, *World Scientific News* 182, 1–10, @2023
1982. Dimitar Ouzounov, Galina Khachikyan (2023) Studying the Impact of the Geospace Environment on Solar Lithosphere Coupling and Earthquake Activity, *Journal of Space Weather and Space Climate*, 17, 1216010024, @2023 [Линк](#)
1983. Krastev K. (2023) Study of radiation conditions along the route and in orbit around Mars based on data from the Lyulin-MO instrument on board the ExoMars Trace Gas Orbiter, *Journal of Space Research and Technology*, Bulgarian Academy of Sciences, 45 p., @2023
1984. Krastev K. (2023) Study of radiation conditions along the route and in orbit around Mars based on data from the Lyulin-MO instrument on board the ExoMars Trace Gas Orbiter, *Journal of Space Research and Technology*, Bulgarian Academy of Sciences, 141 p., @2023
1985. Krastev K., J. Semkova, R. Koleva (2023) Numerical Simulation of Lyulin-MO Instrument for Measuring Cosmic Radiation Onboard ExoMars Trace Gas Orbiter, *Journal of Space Research and Technology*, Bulgarian Academy of Sciences, 1706., @2023 [Линк](#)
1986. Makrantonis P., Tezari A., Stassinakis A., Paschalis P., Gerontidou M., Mavromichalaki H., Crosby N., Dierckxsens M. (2023) Atmospheric cosmic ray induced ionization in the Earth's atmosphere, In *NMDB@ Athens: Proceedings of the hybrid symposium on cosmic ray studies with neutron detectors*, September 26-30, 2022 (pp. 139-149)., @2023 [Линк](#)

1987. Rolf Werner, Veneta Guineva, Irina Despirak, Andris Lyubchich*, Rumiana Bojilova, Lyubomira Raykova, Atanas Atanasov, Dimitar Valev (2023) Statistical Study of Auroral and High Latitudes, Comptes rendus de l'Académie bulgare des sciences: sciences, 76(4):571-579, DOI: 10.7546/CRABS.2023.04.09, @2023 [Линк](#)
1988. Roy Yaniv, Yoav Yair, Colin Price, Yuval Reuveni (2023) No Response of Surface-Level Atmospheric Electrical Parameters in Israel to Severe Space Weather, Atmosphere 14(10):103390, LicenseCC BY 4.0, @2023 [Линк](#)
1989. Safinaz A. Khaled, Luc Dame. , Amira Shimeis, Shahinaz Yousef, M. A. Semeida et al. (2023) Statistical study of confined filament/prominence eruptions during solar minimum, Solar Wind and Space Weather 1384-1392. DOI:10.7546/CRABS.2023.09.09, @2023 [Линк](#)
1990. Sura I. Gburi, Najat M. R. AL-Ubaidi (2023) Effect of solar proton events on the electron density of the ionosphere for different altitudes, Conference: 2ND INTERNATIONAL RESEARCH AND ENGINEERING (ICARAE2022), DOI: 10.1063/5.0167912, @2023 [Линк](#)
1991. Ting Zhai, Carolina L. Zilli Vieira, Pantel S Vokonas, Petros Koutrakis (2023) Annual space weather fluctuations and telomere length dynamics in a longitudinal cohort Study, Journal of Exposure Science & Environmental Epidemiology, Published by Springer Nature, DOI: 10.1038/s41370-023-00616-z, @2023 [Линк](#)
1992. Mauro Satta, Daniele Catone, Mattea, Carmen Castrovilli, Francesca Nicolanti, Antonella Cartoni (2024) Ionic Route to Atmospheric Relevant HO₂ and Protonated H₂O₂, Molecules 29(7):1484, DOI: 10.3390/molecules29071484, @2024 [Линк](#)
300. **Tassev Y., Velinov P. I. Y., Eroshenko E., Mishev A., Mateev L., Tomova D..** (2009) Numerical Modeling of Ozone Density in Atmosphere after Ground Level Enhancement, Fundamental Space Research, pp. 137-141, Suppl. to Compt. Rend. Acad. Bulg. Sci., 62, Proc. Intern. FCR Conf., 21-28 September 2008, Sunny Beach, Bulgaria, 2009, ISBN 978-954-90000-0-0, [Лумупа се е:](#)
1993. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAAG Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
1994. A. Belehaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012., @2012
1995. Kilifarska N. (2019) Latitudinal dependence of the stratospheric ozone and temperature response to solar particles' forcing on 20 January 2005, Aerospace Res. Bull. 100, 1-10, @2019
301. **Velinov P. I. Y., Mishev A., Mateev L..** (2009) Model for Induced Ionization by Galactic Cosmic Rays in the Earth Atmosphere and Ionosphere. Adv. Space Res., 44(12):1409-1419, Science):1.409, [Лумупа се е:](#)
1996. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, p., @2009
1997. G. A. Bazilevskaya, I. G. Usoskin, E. O. Flückiger, R. G. Harrison, Cosmic Ray Induced Ion Production in the Atmosphere. Space Science Reviews (Impact Factor: 5.0), 119, 1-10, @2009
1998. Ganushkina N. Progress in scientific understanding of space weather. COST Action ES0803: Developing space weather products and services in Europe. Progress report 2009, Brugge, Belgium. <http://www.costes0803.noa.gr/documents/meetings/brugge-mc-2009/Attachment-7.pdf>, @2009
1999. A.D. Erykin, A.W. Wolfendale (2010) Long term time variability of cosmic rays and possible relevance to the development of life on Earth. ArXiv:1003.0082v1 [astro-ph], @2010
2000. A.D. Erykin, A.W. Wolfendale. Long term time variability of cosmic rays and possible relevance to the development of life on Earth. Surveys in Geophysics 31(2010) 1-10, @2010
2001. I. G. Usoskin, G.A. Kovaltsov (2010) NUMERICAL MODELLING OF COSMIC RAY INDUCED IONIZATION IN THE EARTH'S ATMOSPHERE, https://geo.phys.spbu.ru/materials_of_a_conference_2010/STP2010/Usoskin_Kovaltsov_2010.pdf, @2010
2002. I.G. Usoskin, G.A. Kovaltsov, Mironova I.A., Tylka A., W. Dietrich, Ionization effect of solar particle GLE events in low and middle atmosphere - I. Atmos. Chem. Phys., 4(8), @2010
2003. Nigel Calder. Cosmic rays and clouds at various latitudes. An exchange with Prof. Terry Sloan of Lancaster University. <http://calderup.wordpress.com/2010/08/08/cosmic-rays-and-clouds-at-various-latitudes/>, citations: Figs. 3 and 1), @2010
2004. A. Belehaki, A. Glover, M. Hapgood, J.-P. Luntama, R. Van der Lind et al. (2011) Programme and Abstract Book for 8th European Space Weather Week (ESWW8) Conference, 2008; Palais de Congres the Namur, Namur, Belgium, ESA Publishers, 106 p., @2011
2005. A.K.Singh, Devendraa Siingh, R.P.Singh (2011) Impact of galactic cosmic rays on Earth's atmosphere and human health, Atmospheric Environment, Volume 45, 1000-1008, <https://doi.org/10.1016/j.atmosenv.2011.04.027>, @2011
2006. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAAG Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
2007. I.G. Usoskin, G.A. Kovaltsov, I.A. Mironova et al., Ionization effect of solar particle GLE events in low and middle atmosphere - II. Atmos. Chem. Phys., 11, 1900-1910, citations), @2011
2008. I.G. Usoskin, G.A. Kovaltsov. Numerical modelling of cosmic ray induced ionization in the Earth's atmosphere, Proceedings of the 8th International Conference on Space Weather, Petrodvorets, September 20-24, 2010, ISBN 978-5-9651-0504-5, 2011, 252-257., @2011 [Линк](#)
2009. Lazzarotto, F.; Costa, E.; Del Monte, E.; Di Persio, G.; Evangelista, Y.; Feroci, M. et al. (2011) Space Radiation Environment Measurements as by Product of the Gamma Ray Astronomy Mission AGILE, in: Programme and Abstract Book for 8th European Space Weather Week (ESWW8) Conference, 28 November - 02 December, 2008; Palais de Congres the Namur, Belgium, ESA Publishers, p. 44, , @2011
2010. Michael J. Rycroft, R. Giles Harrison. Electromagnetic Atmosphere-Plasma Coupling: The Global Atmospheric Electric Circuit, Space Science Reviews 2011, DOI: 10.1007/s11207-011-9999-9, @2011
2011. Model for induced ionization by galactic cosmic rays in the Earth atmosphere Lazzarotto, F.; Costa, E.; Del Monte, E.; Di Persio, G.; Evangelista, Y.; Feroci, M. et al. Space Radiation Environment Measurements as by Product of the Gamma Ray Astronomy Mission AGILE, in: Programme and Abstract Book for 8th European Space Weather Week (ESWW8) Conference, 2008; Palais de Congres the Namur, Namur, Belgium, ESA Publishers, p. 44, , @2011
2012. Sharon Clark. Sylvia Teresa Land, nee Ballard: 14 July 1935–17 November 2010, Homeopathy (2011) 100, 106. DOI: <http://dx.doi.org/10.1016/j.homp.2011.02.001>, @2011

2013. Titus A. M. Msagati, Bhiekie B. Mamba. Development of supported liquid membrane techniques for the monitoring of trace levels of organic pollutants in wastewater and Chemistry of the Earth Parts A/B/C. 01/2011; 36(14):1167-1177. DOI: 10.1016/j.pce.2011.07.062, @2011
2014. A. Belehaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012., @2012
2015. Khoshyaran, M. M. (2012) The impact of solar flares and cosmic rays on atmospheric decay 3. Atmosphere, 40, 41. - sdiarticle1.org, SDI Paper Template Version 1.6 E-mail address: megan.khoshyaran@wanadoo.fr, Tel.: +33 (0)6 70 54 11 52;, @2012
2016. Larsson, M., Geppert, W.D., Nyman, G. Ion chemistry in space. Reports on Progress in Physics 75 (6) 2012, art. no. 066901 IMPACT FACTOR = 15.633, @2012
2017. Rycroft, M. J., & Harrison, R. G. (2012). Electromagnetic atmosphere-plasma coupling: the global atmospheric electric circuit. Space Science Reviews, 168(1), 363-3
2018. AB Bhattacharya, T Das - ijaem.org. Tropospheric-Ionospheric Coupling by Electrical Processes of the Atmosphere. International Journal of Application or Innovation 2, 5, 2013, 324-336., @2013
2019. P. B. Rimmer, Ch. Helling, C. Bilger. The Influence of Galactic Cosmic Rays on Ion-Neutral Hydrocarbon Chemistry in the Upper Atmospheres of Free-Floating Exoplanets. 2013., @2013
2020. P. B. Rimmer, Ch. Helling. Ionization in atmospheres of Brown Dwarfs and extrasolar planets IV. The Effect of Cosmic Rays. ArXiv:astro-ph.SR 1307.3257v1, 2013.
2021. Rimmer, P.B., Helling, C. Ionization in atmospheres of brown dwarfs and extrasolar planets. IV. the effect of cosmic rays. Astrophysical Journal 774, 2, 10 September 2013, Factor), @2013
2022. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publ. House, Sofia, 2013. (10 citations: p. 1, 2, 5, 6, 7, 19, 22, 23, 26, 38), @2013
2023. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. [28 citations - p. 1, 27, 28 (3), 29, 30, 32, 124, 126 (2), 129, 130, 134, 135, 156], @2013
2024. Tsagouri I., Belehaki A., N. Bergeot, C. Cid, V. Delouille et al. (2013) Progress in Space Weather Modeling in an Operational Environment (Review paper - Book), 7, Space Climate, Vol. 3, A17, 2013, DOI:http://dx.doi.org/10.1051/swsc/2013037, pp. 1-72, @2013
2025. M. M. Khoshyaran. The Impact of Solar Flares and Cosmic Rays on Atmospheric Decay ISSN: 2320-0227 Journal of Scientific Research and Reports 3(5): 742-752, 2013
2026. P. B. Rimmer, Ch. Helling, C. Bilger. The Influence of Galactic Cosmic Rays on Ion-Neutral Hydrocarbon Chemistry in the Upper Atmospheres of Free-Floating Exoplanets. 13 (2): 173-181 (2014) doi:10.1017/S1473550413000487 © Cambridge University Press 2014, @2014
2027. Nordheim, T.A., Dartnell, L.R., Desorgher, L., Coates, A.J., Jones, G.H. Ionization of the venusian atmosphere from solar and galactic cosmic rays. Icarus 245, issue 1, 2017, 1-12, @2017
2028. Parra Rojas, Francisco Carlos (2015) Electrical discharges in planetary upper atmospheres: thermal and chemical effects, (IAA) Tesis, Universidad de Granada, CSIC (IAA), ISBN: 978-84-606-7924-0, http://hdl.handle.net/10261/133496, @2015 [Линк](#)
2029. Parra-Rojas, F. C., Luque, A., & Gordillo-Vázquez, F. J. (2015) Chemical and thermal impacts of sprite streamers in the Earth's mesosphere. Journal of Geophysical Research 120, 8933., @2015
2030. Parra-Rojas, F. C., Luque, A., & Gordillo-Vázquez, F. J. (2015) Supporting Information for "Chemical and thermal impact of sprite streamers in the Earth mesosphere". Space Physics, 120(10), 8934., @2015
2031. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4860-080403846, @2016
2032. Artamonov, A. A. et al. (2016). Atmospheric ionization induced by precipitating electrons: Comparison of CRAC: EPII model with a parametrization model. Journal of Atmospheric and Space Sciences 149, 161-166., @2016
2033. Bhattacharya, A.B., Lichtman, J.M. (2016) Solar planetary systems: Stardust to terrestrial and extraterrestrial planetary sciences (Book, 1st Edition), CRC Press, ISBN: 9781481153675, https://doi.org/10.1201/9781315367569, @2016
2034. Parra Rojas, F. C. (2016) Electrical discharges in planetary upper atmospheres: thermal and chemical effects. Repositorio Institucional de la Universidad de Granada, http://hdl.handle.net/10481/40372, ISBN : 9788491251613, @2016
2035. Artamonov, A. et al. (2017) Updated model CRAC : HEPII of atmospheric ionization due to high energy protons. 35th international cosmic ray conference, ICRC2017, 12-20 July 2017, Bexco, Busan, Korea, Proceedings of Science PoS(ICRC2017)079, https://pos.sissa.it/301/079/pdf, @2017 [Линк](#)
2036. Parra-Rojas, F. C., Luque, A., & Gordillo-Vázquez, F. J. (2017) Supporting Information for " Chemical and thermal impact of sprite streamers in the Earth mesosphere". RESEARCH – trappa.es http://www.trappa.es/sites/all/files/papers/isi_journal_papers/2017_06_supp.pdf, @2017
2037. Usoskin, I. (2017) Updated model CRAC: HEPII of atmospheric ionization due to high energy protons, Proceedings of Sciences, Proc. ICRC2017_079.pdf – pos.sissa.it/301/079/pdf, @2017
2038. Prabhu, K., Ravindra, B., Hegde, M. et al. (2018) Recurring coronal holes and their rotation rates during the solar cycles 22–24, Astrophys Space Sci (2018) 363: 3307-0, @2018
2039. Hensley, Kerrin G. (2022) Solar Activity Variations of the Ionospheres of Venus and Mars, Dissertation for the requirements for the degree of Doctor of Philosophy, Birkbeck University of London, 214 p., https://www.proquest.com/openview/368a6f1ed8307e47a98da9e9b5ffcc98/1?pq-origsite = gscholar&cbl = 18750&diss = y, @2022
2040. Susanna Pätsi et al. (2022) Ionization effect in the Earth's atmosphere due to cosmic rays during the GLE 71 on 17 May 2012, Advances in Space Research, Volume 69, 2901., @2022
2041. Safinaz A. Khaled, Luc Dame., Amira Shimeis, Shahinaz Yousef, M. A. Semeida et al. (2023) Statistical study of confined filament/prominence eruptions during solar cycle 25. 1384-1392. DOI:10.7546/CRABS.2023.09.09, @2023 [Линк](#)
302. Buchvarova M., Velinov P. I. Y.. (2009) Cosmic Ray Spectra in Planetary Atmospheres. Universal Heliophysical Processes, IAU Symposium No. 257, September 15-19, 2009, Gopalswamy & D.F. Webb, eds), Cambridge University Press, Cambridge, 2009, DOI:10.1017/S1743921309029718, 471-474. JCR-IF (Web of Science):0.525

[Лумупа се е:](#)

2042. Thomson, Alan W. P.; Reay, Sarah J.; Dawson, Ewan (2009) Estimating the Extremes in European Geomagnetic Activity, Sixth European Space Weather Week, 16-18 November 2009, Poster Session 5 - Space Weather Models: from Research to Applications, Time: 16:30 - 18:30 on 18 November 2009. http://sidc.oma.be/esww6/program/session5p

2043. L. Fletcher, N. André, D. Andrews, M. Bannister, E. Bunce, T. Cavalié, S. Charnoz, F. Ferri, J. Fortney, D. Grassi, L. Griton, P. Hartogh, R. Helled, R. Hueso, G. J. Melin, J. Moses, O. Mousis, N. Nettleman, Chr. Plainaki, E. Roussos, J. Schmidt, A. Simon, G. Tobie, P. Tortor, F. Tosi, D. Turrini (2019) Ice Giant Systems: The Science and Neptune Systems (ESA Voyage 2050 White Paper), ESA preprint: https://www.researchgate.net/publication/334316628_ESA_Voyage_2050_White_Paper ; arXiv:1907.08466 [astro-ph.EP]; 28 pages and 8 figures., @2019
2044. Leigh Fletcher, N. André, D. Andrews, M. Bannister, E. Bunce, T. Cavalié, S. Charnoz, F. Ferri, J. Fortney, D. Grassi, L. Griton, P. Hartogh, R. Helled, R. Hueso, G. J. Melin, J. Moses, O. Mousis, N. Nettleman, Chr. Plainaki, E. Roussos, J. Schmidt, A. Simon, G. Tobie, P. Tortor, F. Tosi, D. Turrini (2020) Ice Giant Systems: The Science and Neptune Systems, Planetary and Space Science 191(55):105030 DOI: 10.1016/j.pss.2020.105030, @2020
303. Eroshenko, E., **Velinov, P. I. Y.**, Belov, A., Yanke, V., Pletnikov, E., **Tassev, Y.**, Mishev, A., **Mateev, L.** (2009) Relationships between Cosmic Ray Neutron Flux and R. European Cosmic Ray Symposium, 9th-12th September 2008, Kosice, Slovak republic, 2009, ISBN:978-80-968060-5-8, p. 127-131.
Цитирана е:
2045. T. Sloan. Cosmic Rays and The Climate. Proc. 21th ECRS - European Cosmic Ray Symposium , September 9th-12th 2008 Kosice, Slovak republic, ISBN 978-80-968060-5-8, p. 127-131, @2009
2046. Плазменные процессы в солнечной системе. Программа фундаментальных исследований, Отделения физических наук РАН, 2009., @2009
2047. I. Martin and M. Alves. Observation of a possible neutron burst associated with a lightning discharge. Journal of geophysical research, vol.115, A00E11, 2010., @2010
2048. В. П. Антонова, С. В. Крюков, А. П. Чубенко, Ю. В. Шлюгаев, А. Л. Щепетов (2010) Влияние вариаций приземного электрического поля, обусловленных п. нейтронов, Труды 31-ой Всесоюзной Конференции по Космическим Лучам, Москва, Московский Государственный Университет, 2010 - fz.k.aragats.am, @2010
2049. В.П. Антонова. Влияние вариаций приземного электрического поля, обусловленных погодными явлениями, на регистрацию нейтронов. 31-я ВКЛП, Москва, 2010, @2010
2050. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BA Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
2051. P. Abreu et al. (Pierre Auger collaboration) The Pierre Auger Observatory scaler mode for the study of solar activity modulation of galactic cosmic rays, 2011, 0221/6/01/P01003, @2011
2052. A. Behlchaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012., @2012
2053. W. Rhum, J. U. Ackermann, C. Pioch, V. Mares, Spectral neutron flux oscillations of cosmic radiation on the Earth's surface. ISSN: 0196-6928 Journal of Geophysical Research, no. A08309, 2012., @2012
2054. M. Buchvarova, D. Draganov. Cosmic-Ray Spectrum Approximation Model: Experimental Results and Comparison with Other Models. ISSN: 0038-0938 Solar Physics, 2012, @2012
2055. В.П. Антонова, В.И. Дробжев, С.В. Крюков, Ю.В. Шлюгаев (2013) ВЛИЯНИЕ ВАРИАЦИЙ АТМОСФЕРНОГО ЭЛЕКТРИЧЕСКОГО ПОЛЯ, ОБУСЛОВЛЕННЫХ ПОГОДНЫМИ ЯВЛЕНИЯМИ, НА МОНИТОРИНГ НЕЙТРОНОВ, ТРУДЫ ГЛАВНОЙ ГЕОФИЗИЧЕСКОЙ ОБСЕРВАТОРИИ ИМ. А.И. ВОЕЙКОВА Издательство: Главная Геофизическая Обсерватория ИМ. А.И. Воейкова (Санкт-Петербург), ISSN: 0376-1274, стр. 275-282., @2013
2056. G. Hubert, C.A. Federico, M.T. Piazanotto, O.L. Gonzales, Long and short-term atmospheric radiation analyses based on coupled measurements at high altitude modeling, ISSN: 0927-6505 Astroparticle Physics 74, 27-36, 2016, IF = 3.584, @2016
2057. Velichkova Ts., Kilifarska N. (2019) Lower stratospheric ozone's influence on the NAO climatic mode, C. R. Acad. Bulg. Sci., 72(2), 219-225. DOI:10.7546/CRABS.2019.72.2.219-225, @2019
2058. Tezari, Anastasia. Paschalis, Pavlos. Mavromichalaki, Helen. Karaiskos, Pantelis. Crosby, Norma. Dierckxsens, Mark (2020) Assessing Radiation Exposure In Space, Radiation Protection Dosimetry 190(4), 427-436. DOI: 10.1093/rpd/naaa112, @2020
304. **Velinov P. I. Y.**, Yuskolov D.. (2009) Generalization of Titius-Bode Rule for the Planets in Solar System. C. R. Acad. Bulg. Sci., 62, 7, 2009, 783-790. ISI IF:0.204
Цитирана е:
2059. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, C. R. Acad. Bulg. Sci., 75(2):0.378, @2022
305. **Velinov P. I. Y.**, Yuskolov D.. (2009) Generalization of Titius-Bode Rule for the Satellites in the System of Jupiter. C. R. Acad. Bulg. Sci., 62, 10, 2009, 1193-1202. ISI IF:0.204
Цитирана е:
2060. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, C. R. Acad. Bulg. Sci., 75(2):0.378, @2022
306. **Velinov P. I. Y.**, Yuskolov D.. (2009) Generalization of Titius-Bode Rule for the Satellites in the System of Neptune. C. R. Acad. Bulg. Sci., 62, 11, 2009, 1353-1362. ISI IF:0.204
Цитирана е:
2061. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, C. R. Acad. Bulg. Sci., 75(2):0.378, @2022
307. Mishev A., **Velinov P. I. Y.** (2009) Recent Modeling of Galactic Cosmic Rays Induced Ionization in the Earth Atmosphere. Proceedings of 21th ECRS - European Cosmic Ray Symposium, Kosice, Slovak republic, ISBN 978-80-968060-5-8, <http://ecrs2008.saske.sk/dvd/s2.15.pdf>, 2009, p. 193-198.
Цитирана е:
2062. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BA Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
2063. A. Behlchaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012., @2012

2064. Kilifarska, N. A. (2012) Ozone as a mediator of galactic cosmic ray influence on climate. *Sun Geophys*, 7(2), 97-102. (3 citations), @2012
2065. Natalya Kilifarska, An Autocatalytic Cycle for Ozone Production in the Lower Stratosphere Initiated by Galactic Cosmic Rays, *Comptes rendus de l'Academie bulg* 252, @2013
308. **Velinov P. I. Y.**, Mishev A.. (2009) The Induced Ionization by Solar Cosmic rays in the Earth Atmosphere and Ionosphere - CORSIKA Code Simulations. *Proceedings Symposium*, 9th-12th September 2008, Kosice, Slovak republic, ISBN 978-80-968060-5-8, . <http://ecrs2008.saske.sk/dvd/s4.09.pdf>, 2009, p. 357-361.
- Lumupa ce s:
2066. Singh, A.K., Siingh, D. & Singh, R.P. (2010) Space Weather: Physics, Effects and Predictability, *Surv. Geophys*. 31: 581. <https://doi.org/10.1007/s10712-010-9103-1>
2067. A.K.Singh, Devendraa Siingh, R.P.Singh (2011) Impact of galactic cosmic rays on Earth's atmosphere and human health, *Atmospheric Environment*, Volume 45, <https://doi.org/10.1016/j.atmosenv.2011.04.027>, @2011
2068. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BA Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
2069. A. Belelaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012., @2012
2070. Ashok K. Singh, R. P. Singh, Devendraa Siingh (2014) Solar Variability, Galactic Cosmic Rays and Climate: A Review, Open access e-Journal Earth Science India https://www.researchgate.net/publication/260026129_Open_access_e-Journal_Solar_Variability_Galactic_Cosmic_Rays_and_Climate_A_Review, @2014
2071. Daniela-Rodica Mitrea, Simona Clichici (2018) ANTIOXIDANT PROTECTION AGAINST COSMIC RADIATION-INDUCED OXIDATIVE STRESS AT COMMERCIAL F and pharmacology: an official journal of the Polish Physiological Society 69(4), 1-9. DOI: 10.26402/jpp.2018.4.03, @2018
2072. Binod Adhikari, Bidur Kaphe, Niraj Adhikari, Sanam Limbu, Aashish Sunar, Roshan Kumar Mishra, Sarala Adhikari (2019) Analysis of cosmic ray, solar wind energy and ionospheric total electron content during solar superstorm of November 18–22, 2003, *SN Applied Sciences*, 1:453, pp. 1-11, A Springer Nature journal, <https://doi.org/10.1007/s41186-019-0045-3>

2010

309. Mishev A., **Velinov P. I. Y.**, Yanke V., Eroshenko E.. (2010) Effects of Different Atmospheric Profiles on Ionization in the Earth Atmosphere. *Proceedings of 31th ICRC (Inter)* Poland, 7-15 July, 2009, Session SH.3: Galactic cosmic rays in the heliosphere / SH.3.5 Space weather, terrestrial effects and cosmogenic nuclides, Report SH 3.5.9, P. 3.5.19, <http://icrc2009.uni.lodz.pl/proc/pdf/icrc0176.pdf>, 2010, pp. 1-4.
- Lumupa ce s:
2073. H. Moraal, Galactic Cosmic Rays in the Heliosphere, *Proc. of 31th ICRC Lodz, Poland 2009*, 39-46., @2010
2074. Kilifarska, N.A., Bakmutov, V.G., Melnyk, G.V. (2020) The Hidden Link Between Earth' Magnetic Field and Climate, Elsevier, Amsterdam - Oxford - Cambridge, MA 819346-4, 230 p.; Chapter 5. Galactic cosmic rays and solar particles in Earth's atmosphere, pp. 101-131., @2020
310. Mishev A., **Velinov P. I. Y.**, Eroshenko E., Yanke V.. (2010) The Impact of Low Energy Hadron Interaction Models in CORSIKA Code on Cosmic Ray Induced Ionization. *Proceedings of 31th ICRC (International Cosmic Ray Conference)*, Lodz, Poland, 7-15 July, 2009, Session SH.3: Galactic cosmic rays in the heliosphere / SH.3.5 Space weather, terrestrial effects and cosmogenic nuclides, Report SH 3.5.25, P. 3.5.19, <http://icrc2009.uni.lodz.pl/proc/pdf/icrc0176.pdf>, 2010, pp. 1-4.
- Lumupa ce s:
2075. A. A. Al-Rubaiee, Investigating the Cherenkov Light Lateral Distribution Function for Primary Proton and Iron Nuclei in Extensive Air Showers, *Physics of Particles and Nuclear Physics*, September 2015 DOI: 10.1134/S1547477115060035, @2015
2076. Kilifarska N. (2017) Mechanism for connection between the cosmic rays, geomagnetic field and Earth's climate, Dissertation for obtaining scientific degree "Doctor of Sciences", Bulgarian Academy of Sciences, Sofia 2017, 142 p. Килицарска Н. (2017) Механизъм за връзка между космическите лъчи, геомагнитното поле и климата на Земята, доктор на физическите науки, НИИ ГГГ при БАН, София 2017, 142 стр., @2017
2077. Kilifarska, N.A., Bakmutov, V.G., Melnyk, G.V. (2020) The Hidden Link Between Earth' Magnetic Field and Climate, Elsevier, Amsterdam - Oxford - Cambridge, MA 819346-4, 230 p.; Chapter 5. Galactic cosmic rays and solar particles in Earth's atmosphere, pp. 101-131., @2020
311. **Velinov P. I. Y.**, Yuskolov D.. (2010) Generalization of Titius-Bode Rule for the Satellites in the System of Uranus. *C. R. Acad. Bulg. Sci.*, 63, 4, 2010, 471-480. ISI IF:0.219
- Lumupa ce s:
2078. 土星の衛星軌道上におけるティティウス-ボーデの法則 | 文献情報 | J ... jglobal.jst.go.jp/public/20090422/201202297594425596, @2011
2079. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, *C. R. Acad. Bulg. Sci., Science*:0.378, @2022
312. Alexandrov L., Mishev A., **Velinov P. I. Y.**. (2010) Parameterization of Ionization Yield Function Y Produced by Cosmic Ray Nuclei in the Atmosphere. *C. R. Acad. Bulg. Sci.*, 63, 4, 2010, 471-480. ISI IF:0.219
- Lumupa ce s:
2080. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BA Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., @2011
2081. A. Belelaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012., @2012
313. **Velinov P. I. Y.**, Yuskolov D.. (2010) Generalized Titius-Bode Law Applied for the Saturnian Moons. *C. R. Acad. Bulg. Sci.*, 63, 5, 2010, 633-644. ISI IF:0.219

Лумупа се е:

2082. NASA (2015) About Saturn & Its Moons, Icy Satellites Discipline Publications/Bibliography, Cassini Solstice Mission, Jet Propulsion Laboratory, California archive.jpl.nasa.gov/science/moons/publications/, **@2015**

2083. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, C. R. Acad. Bulg. Sci., Science):0.378, **@2022**

314. Mishev A., **Velinov P. I. Y.**, **Mateev L..** (2010) Atmospheric Ionization Due to Solar Cosmic Rays from 20 January 2005 Calculated with Monte Carlo Simulations. C. R. Acad. Bulg. Sci., 63, 1794. ISI IF:0.219

Лумупа се е:

2084. I. G. Usoskin, G. A. Kovaltsov, I. A. Mironova et al., Ionization effect of solar particle GLE events in low and middle atmosphere. Atmos. Chem. Phys. Discuss., 10, 3123-3132, **@2010**

2085. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS, Sofia, 2011, Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., **@2011**

2086. Usoskin, I.G., Kovaltsov, G.A., Mironova, I.A., Tytka, A.J., Dietrich, W.F., Ionization effect of solar particle GLE events in low and middle atmosphere. Atmos. Chem. Phys., 10, 3123-3132, **@2010**

2087. Тасев Ъ., Д. Томова. Производство на Озон от Слънчево Протонно Събитие (SPE) на 20.01.2005. SPACE, ECOLOGY, SAFETY, Proceeding of BAS, 2014, 48-50, **@2014**

2088. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4861-08043846, **@2016**

2089. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, World Applied Sciences Journal 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5815/2016.3.312, **@2016**

2090. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udeaja, V.N., Anih, J.O., Onyia, A.I., Adieme, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, E. (2016) Cosmic Rays in the Atmosphere, IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), e-ISSN: 2319-2402, p-ISSN: 2319-2396, pp. 80-84, www.iosrjournals.org, **@2016**

2091. Bojilova R., P. Mukhtarov (2019) Response of Total Electron Content to the Three G4 – Severe Geomagnetic Storms in January 2005 Associated with Cosmic Ray Storms, Bulg. Sci., 72, 9, BAS, 1244-1250. DOI: 10.7546/CRABS.2019.09.12, **@2019**

2092. Anastasia Tezari, Pavlos Paschalis, Helen Mavromichalaki, Pantelis Karaikos, Norma Crosby, Mark Dierckx (2020) Assessing Radiation Exposure Inside the European Space Agency, ncaa112, https://doi.org/10.1093/rpd/ncaa112 Published: 09 September 2020, **@2020**

2093. Sura I. Gburi, Najat M. R. AL-Ubaidi (2023) Effect of solar proton events on the electron density of the ionosphere for different altitudes, Conference: 2ND INTERNATIONAL CONFERENCE ON RESEARCH AND ENGINEERING (ICARAE2022), DOI: 10.1063/5.0167912, **@2023** [Линк](#)

315. **Tonev P.T., Velinov P. I. Y..** (2010) Conditions for creation of streamers in lower ionosphere above lightning discharges with continuing currents. C. R. Acad. Bulg. Sci., 63, 1794. ISI IF:0.219

Лумупа се е:

2094. Tsagouri, I., Belehaki, A., Bergeot, N., Cid, C. et al. (2013) Progress in space weather modeling in an operational environment, Journal of Space Weather and Space Climate, 7, 1-12, **@2013**

316. Mishev A., **Velinov P. I. Y..** (2010) The Effect of Model Assumptions on Computations of Cosmic Ray Induced Ionization in the Atmosphere. J. Atmos. Solar-Terr. Phys., 72, 1794-1800, **@2010**

Лумупа се е:

2095. G. A. Bazilevskaya, I. G. Usoskin, E. O. Flückiger, R. G. Harrison, Cosmic Ray Induced Ion Production in the Atmosphere. Space Science Reviews (Impact Factor: 5.000), 120, 1-12, **@2015**

2096. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS, Sofia, 2011, Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., **@2011**

2097. Sharon Clark. Sylvia Teresa Land, nee Ballard: 14 July 1935–17 November 2010. Homeopathy, 2011, v. 100, 106, **@2011**

2098. A. Belehaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012., **@2012**

2099. Issues in Biophysics and Geophysics Research and Application: 2011 Edition, gen. ed. Q. Ashton Acton ISBN 978-1-464-96429-9, 2011, Scholarly Editions USA 2011, **@2011**

2100. N. Kilifarska. An Autocatalytic Cycle for Ozone Production in the Lower Stratosphere Initiated by Galactic Cosmic Rays. C.R. Acad. bulg. Sci., 66, 2013, 2, 243., **@2013**

2101. P. B. Rimmer and Ch. Helling. Ionization in atmospheres of Brown Dwarfs and extrasolar planets IV. The Effect of Cosmic Rays. ArXiv:astro-ph.SR 1307.3257v1, 2013, **@2013**

2102. Paul Rimmer, Christiane Helling. Ionization in atmospheres of Brown Dwarfs and extrasolar planets IV. The Effect of Cosmic Rays. The Astrophysical Journal 07/2013, 767, 1-12, **@2013**

2103. Mishra, R. K., & Pandey, P. C. THE EFFECT OF SOLAR RADIATION ON TELECOMMUNICATIONS. International Journal of Engineering Science Invention Research & Development, December 2015 www.ijesird.com e-ISSN: 2349-6185, pp. 324-335., **@2015**

2104. R. K. Mishra, S.C.Dubey (2015) Impact of solar radiation on ionospheric disturbances, International Journal of Engineering Science Invention Research & Development, December 2015 www.ijesird.com e-ISSN: 2349-6185, **@2015**

2105. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4861-08043846, **@2016**

2106. Rahul Shrivastava, Subhash Chand Dubey. Impact of Solar Ultraviolet Radiation on Ionosphere. ISSN: 2454-1532, International Journal of Scientific and Technical Advances, 2016, 3(1), 1-12, **@2016**

2107. Leonty I. Miroshnichenko (2018) Retrospective analysis of GLEs and estimates of radiation risks, Journal of Space Weather and Space Climate 8(316):A52, DOI: 10.1029/2017SWC006581, **@2018**

2108. Kilifarska N. (2019) Latitudinal dependence of the stratospheric ozone and temperature response to solar particles' forcing on 20 January 2005, Aerospace Res. Bulg. Acad. Sci., 66, 2019, 2, 243., **@2019**

2109. Susanna Pätsi (2022) Ionization effect in the Earth's atmosphere due to cosmic rays during the GLE # 71 on 17 May 2012, Advances in Space Research, https://doi.org/10.1016/j.asr.2022.106488, **@2022**

317. **Buchvarova M., Velinov P. I. Y.** (2010) Heliospheric Modulation of Primary Cosmic Ray Spectra. Empirical Modeling. Proceedings SENS'2009 "Space, Ecology, Nano Conference with International Participation (Sofia, 2-4 November 2009), BAS, 2010, pp. 31-36.

Цитирана се в:

2110. Dachev Ts. et al. (2009) Self-evaluation Report (2004-2008): Current Status and Prospective/Future Development of Solar-Terrestrial Influences Institute at the Bulgarian Academy of Sciences, **@2009**

318. **Buchvarova M., Velinov P. I. Y.** (2010) Empirical Model of Cosmic Ray Spectrum in Energy Interval 1 MeV - 100 GeV during 11 - Year Solar Cycle. Adv. Space Res., 45, 1-10.

Цитирана се в:

2111. Е.И. Яковлева, А.А. Петрухин, Д.А. Тимашков, В.В. Шутенко. Энергетический спектр солнечных космических лучей с энергиями выше 5 ГэВ в событии 13 декабря 2009 года. МГУ, 2010 СКЛ / SCR_36, pp. 1-5., **@2010**
2112. СОЛНЕЧНЫЕ КОСМИЧЕСКИЕ ЛУЧИ, Сборник: Труды 31-ой Всероссийской конференции по космическим лучам, 5-9 июля 2010 года, Москва, МГУ. http://fzk.aragats.am/files/31_vkl/cr2010/scr/scr.html, <https://textarchive.ru/c-1340729-pall.html>, **@2010**
2113. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAAG Assembly, Melbourne - Australia, 28 June - 7 July 2011, Sofia - June 2011, IAGA National Report, pp. 83 - 90., **@2011**
2114. Natalya Kilfarska, Nonlinear Re-assessment of the Long-term Ozone Variability during 20th Century, Comptes rendus de l'Academie bulgare des Sciences, Vol 64, 2011, pp. 1-10, **@2011**
2115. Obermeier, A., A Direct Measurement of Cosmic Rays to Very High Energies: Implications for Galactic Propagation and Sources. PhD Thesis (University of Chicago), Dietrich Müller, Jörg Hörandel, 02/2011, **@2011**
2116. Obermeier, A., Ave, M., Boyle, P., Höppner, C.H., Hörandel, J., Müller, D. (2011) Energy spectra of primary and secondary cosmic-ray nuclei measured with tracers. Phys. Rev. D, 84, pp. 1-11. doi:10.1088/0004-637X/742/1/14, **@2011**
2117. D. Maurin, A. Cheminet, L. Derome, A. Ghel, G. Hubert (2014) Neutron monitors and muon detectors for solar modulation studies: Interstellar flux, yield function, and count rate calculations, arXiv: 1403.1612v2 [astro-ph.EP], DOI: 10.1016/j.asr.2014.06.021, <http://arxiv.org/pdf/1403.1612.pdf>, pp. 1-28., **@2014**
2118. Rodrigo Bentes Kato, Frederico Texeira Silva, Gisele Lobo Pappa, Jadson Cláudio Belchior (2014) Genetic algorithms coupled with quantum mechanics for refinement of force fields for RNA simulation: case study of glycosidic torsions in the canonical ribonucleosides, Physical Chemistry Chemical Physics, 17(4), DOI: 10.1039/C4CP03779K, **@2014**
2119. J. Semkova, T. Dachev, St. Maltchev, B. Tomov, Yu. Matviichuk, P. Dimitrov, R. Koleva, I. Mitrofanov, A. Malakhov, M. Mokrousov, A. Sanin, M. Litvak, A. Kozyrev, V. Vostrukhin, F. Fedosov, N. Grebennikova, V. Benghin, V. Shurshakov. Radiation Environment Investigations During Exomars Missions to Mars - Objectives, Experiments and Results. Bulg. Sci., 68, 2015, 4. (4 citations), **@2015**
2120. Maurin, D., Cheminet, A., Derome, L., Ghelfi, A., & Hubert, G. (2015). Neutron monitors and muon detectors for solar modulation studies: Interstellar flux, yield function, and count rate calculations. Advances in Space Research, 55(1), 363-389. DOI: 10.1016/j.asr.2014.06.021, (2 citations), **@2015**
2121. RB Kato, FT Silva, GL Pappa. Genetic algorithms coupled with quantum mechanics for refinement of force fields for RNA simulation. Phys. Chem. Chem. Phys., 2015, 17(17), 6851-6860, **@2015**
2122. G. Hubert (2016) Analyses of cosmic ray induced-neutron based on spectrometers operated simultaneously at mid-latitude and Antarctica, Astropart Phys. 82, 10.1016/j.astropartphys.2016.07.002, **@2016**
2123. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics (IOSR-JAP), 8 (4) Ver. II (Jul. 2016), www.iosrjournals.org, **@2016**
2124. Umahi, A. E. (2016) Variability of Galactic Cosmic rays Flux and Solar Activities in the Earth's Atmospheric Environment, American-Eurasian J. Agric. & Environ. Sci., 16(5), 10441-10448, DOI: 10.5829/idosi.ajeas.2016.16.5.10441., **@2016**
2125. Louis Wai Yip Liu, Qingteng Zhang, Yifan Chen (2017) Harvesting Atmospheric Ions Using Surface Electromagnetic Wave Technologies, Advances in Technology, 2017, 104., **@2017**
2126. Z.-N. Shen, G. Qin, Pingbing Zuo, Fengsi Wei (2019) Modulation of Galactic Cosmic Ray from Helium to Nickel in the Inner Heliosphere, The Astrophysical Journal, 881, 4357/ab5520, **@2019**
2127. Brendan Hagan, George Rieke, Ori D. Fox, Alberto Noriega-Crespo, Dean C. Hines, Misty Cracraft, Macarena Garcia Marin (2021) Cosmic-Ray-Related Signals from Si:As IBC Devices, Astrophysics arXiv > Instrumentation and Methods for Astrophysics, arXiv:2110.15509 [astro-ph.IM] 29 Oct 2021, <https://arxiv.org/abs/2110.15509>
2128. Shuai Fu, Xiaoping Zhang, L. -L. Zhao, Yong Li (2021) Variations of the Galactic Cosmic Rays in the Recent Solar Cycles, The Astrophysical Journal Supplement Series, 261, 4365/abf936, **@2021**
2129. Zhenning Shen, Hao Yang, Pingbing Zuo, Gang Qin, Fengsi Wei, Xiaojun Xu, Yanqiong Xie (2021) Solar Modulation of Galactic Cosmic-Ray Protons Based on Neutron Monitors, The Astrophysical Journal, 921(2):109, DOI: 10.3847/1538-4357/ac1fe8, Lab: Gang Qin's Lab, **@2021**
2130. Weihao Liu · Jingnan Guo · Yubao Wang · Tony C. Slaba (2024) A Comprehensive Comparison of Various Galactic Cosmic-Ray Models to the State-of-the-art Parameters, The Astrophysical Journal Supplement Series 271(1):18, DOI: 10.3847/1538-4365/ad18ad, LicenseCC BY 4.0, **@2024** [Линк](#)

319. Eroshenko E., **Velinov P. I. Y.**, Belov A., Yanke V., Pletnikov E., **Tassev Y.**, Mishev A., **Mateev L.** (2010) Relationships between Neutron Fluxes and Rain Flows. Adv. Space Res., 45, 1-10.

Цитирана се в:

2131. В.П. Антонова, С.В. Крюков, А.П. Чубенко, Ю.В. Шлюгаев, А.Л. Щепетов (2010) Влияние вариаций приземного электрического поля, обусловленных потоками нейтронов, Доклад ГЕО / GEO _1 на 31-й Всероссийской конференции по космическим лучам, 5-9 июля 2010 года, МГУ, Москва, Изд. МГУ, стр. 1-5., **@2010**
2132. Abreu, P. and Pavlidou, V. (2011) The Pierre Auger Observatory scaler mode for the study of solar activity modulation of galactic cosmic rays [P. Abreu, M. Aglietta, J. Alvarez Castillo, J. Alvarez-Muniz, M. Ambrosio, A. Aminaie, L. Anchordoqui, S. Andringa, T. Antićić, A. Anzalone, C. Aramo, E. Arganda et al.] <http://resolver.cern.ch/inspire/record/112900240>, **@2011**

2133. Aglietta M.; Ahn E. J.; et al. Source: Journal of Instrumentation Volume: 6, DOI: 10.1088/1748-0221/6/01/P01003 Published: JAN 2011, @2011
2134. Aminaie Chatroudi, A., Coppens, J., de Jong, S. J., Falcke, H. D. E., Grebe, S., Horandel, J. R., Schoorlemmer, H. (2011). The Pierre Auger Observatory scaler mode of galactic cosmic rays. Journal of Instrumentation, vol. 6, (2011), pp. P01003 ISSN: 1748-0221 DOI: <http://dx.doi.org/10.1088/1748-0221/6/01/p01003>, @2011
2135. Aminaie Chatroudi, A.; Coppens, J.; Jong, S.J. de; Falcke, H.D.E.; Grebe, S.; Horandel, J.R.; Horneffer, A.; Jiraskova, S.; Kelley, J.L.; Nelles, A.F.; Schoorlemmer, H. (2011). The Pierre Auger Observatory scaler mode for the study of solar activity modulation of galactic cosmic rays. Journal of Instrumentation, vol. 6, (2011), ISSN: 1748-0221., @2011
2136. Antičić, T., Abreu, P., Kadija, K., Mićanović, S., Šuša, T., & Ziolkowski, M. (2011). Pierre Auger Observatory scaler mode for the study of solar activity modulation of galactic cosmic rays. Repository of the Ruđer Bošković Institute, URL: <http://iopscience.iop.org/article/10.1088/1748-0221/6/01/p01003>, @2011
2137. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS, Sofia, 2011, 6, pp. P01003. (10.1088/1748-6/01/P01003), @2011
2138. Pierre Auger collaboration (2011) The Pierre Auger Observatory scaler mode for the study of solar activity modulation of galactic cosmic rays, Journal of Instrumentation, vol. 6, (2011), pp. P01003. (10.1088/1748-6/01/P01003), @2011
2139. Антонова В.П., Крюков С.В., Чубенко А.П., Шлюгаев Ю.В., Щепетов А.Л. (2011) ВЛИЯНИЕ ВАРИАЦИЙ ПРИЗЕМНОГО ЭЛЕКТРИЧЕСКОГО ПОЛЯ, ОБУСЛОВЛЕННОГО СОЛНЕЧНОЙ АКТИВНОСТЬЮ, НА РЕГИСТРАЦИЮ НЕЙТРОНОВ, ИЗВЕСТИЯ РОССИЙСКОЙ АКАДЕМИИ НАУК. СЕРИЯ ФИЗИЧЕСКАЯ, Том: 75, Номер: 6, стр. 894-897., @2011
2140. A. Belhaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012., @2012
2141. A.C. de la Casa, O.B. Nasello. Low frequency oscillation of rainfall in Córdoba, Argentina, and its relation with solar cycles and cosmic rays. Atmospheric Research, 10.1016/j.atmosres.2012.05.003, @2012
2142. S. Asenovski. Autoref. PhD Thes., ISRT, BAS Publishing House, Sofia, 2013. (2 citations: p. 1, 25), @2013
2143. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (4 citations - p. 1, 2, 3, 4), @2013
2144. V. Alekseenko, F. Arneodo, G. Bruno, W. Fulgione, D. Gromushkin, O. Shchegolev, Yu. Stenkin, V. Stepanov, V. Sulakov, V. Volchenko and I. Yashin. Sporadic cosmic rays measured by a global net of the en-detectors. Proc. of 33rd ICRC 2-9 July 2013 Rio de Janeiro Brazil., @2014
2145. Alekseenko, V. V., Gromushkin, D. M., Dzhappuev, D. D., Kudjaev, A. U., Michailova, O. I., Stenkin, Y. V., Yashin, I. I. (2015) Variations in the neutron flux during solar storms. Academy of Sciences: Physics, 79(5), 682-684., @2015
2146. Aslam, O. P. M. (2015). Influence of cosmic-ray variability on the monsoon rainfall. Journal of Atmospheric and Solar-Terrestrial Physics, 122, 97., @2015
2147. Badruddin, Aslam OPM (2015) Influence of cosmic-ray variability on the monsoon rainfall and temperature, Journal of Atmospheric and Solar-Terrestrial Physics, 10.1016/j.jastp.2014.11.005, @2015
2148. V. Alekseenko, F. Arneodo, G. Bruno, A. Di Giovanni, I. Yashin, Decrease of Atmospheric Neutron Counts Observed during Thunderstorms, Physical Review Letters, 10.1103/PhysRevLett.114.125003, @2015
2149. V. Alekseenko, F. Arneodo, G. Bruno, A. Di Giovanni, W. Fulgione, D. Gromushkin, O. Shchegolev, Yu. Stenkin, V. Stepanov, V. Sulakov, I. Yashin (2015) Reply, Physical Review Letters, 23 October 2015, @2015 [Линк](#)
2150. Алексеев, В.В., Громушкин, Д.М., Джаппуев, Д.Д., Куджаев, А.У., Михайлова, О.И., Стенькин, Ю.В., Степанов, В.И., Щёголев, О.Б., Сулаков, В.П., Яшин, И.И. (2015) Влияние вариаций приземного электрического поля, обусловленного солнечной активностью, на регистрацию нейтронов. Известия Российской академии наук. Серия физическая, 79(5), 739-741., @2015
2151. G.G. Didebulidze, M. Todua. The inter-annual distribution of cloudless days and nights in Abastumani: Coupling with cosmic factors and climate change ISSN: 1364-6824, Journal of Atmospheric and Solar-Terrestrial Physics, 141, 48-55, 2016 (IF = 1.751), @2016
2152. Kilifarska N., Y. Tashev (2018) Ozone profile response to the series of coronal mass ejections and severe geomagnetic storm in September 2017, Cosmic Space Science, DOI:10.7546/CRABS.2018.05.11, @2018
2153. Natalya Kilifarska, Rumiana Bojilova, Tsvetelina Velichkova (2018) SPATIAL HETEROGENITY OF COSMIC RADIATION MEASURED AT EARTH'S SURFACE, Scientific Conference SPACE, ECOLOGY, SAFETY, 7 – 9 November 2018, Sofia, Bulgaria, @2018 [Линк](#)
2154. A. Stoev, P. Stoeva (2019) Cosmic ray and solar activity influences on long-term variations of cave climate systems, Aerospace Res. Bulg. 31, 61-70., @2019
2155. Kilifarska N. (2019) Latitudinal dependence of the stratospheric ozone and temperature response to solar particles' forcing on 20 January 2005, Aerospace Res. Bulg. 31, 1-10., @2019
2156. N. Kilifarska, R. Bojilova (2019) Geomagnetic Focusing of Cosmic Rays in the Lower Atmosphere – Evidence and Mechanism, Comptes rendus de l'Académie bulgare des sciences, 374., @2019
2157. Paul Schattan, Markus Otto Köhli, Martin Schrön, Gabriele Baroni, Sascha E Oswald (2019) Sensing Area-Average Snow Water Equivalent with Cosmic-Ray Neutron Sensing, Project: Cosmic-Ray neutron sensing for intermediate land surface hydrological observations, Water Resources Research, 55. DOI: 10.1029/2019WR025647, @2019
2158. Ts. Velichkova, N. Kilifarska (2019) Lower Stratospheric Ozone's Influence on the NAO Climatic Mode, C. R. Acad. Bulg. Sci., 72 (2), 219–225. DOI: 10.7546/CRABS.2019.02.01, @2019
2159. Vladimir Mares, Thomas Brall, Rolf Bütikofer, Werner Rühm (2019) Influence of environmental parameters on secondary cosmic ray neutrons at high-altitude research station Zugspitze, Germany, Radiation Physics and Chemistry 168(No. 1–4):108557, DOI: 10.1016/j.radphyschem.2019.108557, @2019
2160. Tezari, Anastasia. Paschalis, Pavlos. Mavromichalaki, Helen. Karaiskos, Pantelis. Crosby, Norma. Dierckx, Mark (2020) Assessing Radiation Exposure in the Environment, Radiation Protection Dosimetry 190(4), 427–436. DOI: 10.1093/rpd/ncaa112, @2020 [Линк](#)
2161. Velichkova-Tasheva T. P. (2020) Global and Regional Climate Variability - Driving Factors, AUTOREFERAT of PhD Thesis, NIGGG - BAS, Department of Geophysics and Geology, 31 p., @2020 [Линк](#)
2162. Velichkova-Tasheva T. P. (2020) Influencing Factors for Global and Regional Climate Variability, PhD Thesis, National Institute of Geophysics, Geodesy and Geography, Section "Physics of the Ionosphere", NIGGG Publishers, 135 p., @2020
2163. Thomas Brall, Vladimir Mares, Rolf Bütikofer, Werner Rühm (2021) Assessment of neutrons from secondary cosmic rays at mountain altitudes – Geant4 simulation and soil moisture and snow cover, Preprint - Werner Rühm's Lab, Helmholtz Zentrum München, Department of Radiation Sciences, DOI: 10.5194/tc-2021-152, License: CC BY 4.0, @2021
2164. Kobelev P.G., L.A. Trefilova, V.G. Yanke (2022) USING SECONDARY COMPONENTS OF COSMIC RAYS FOR ENVIRONMENTAL MONITORING, Секция В. Околоземное космическое пространство. БШФ-2022. С. 206–208. УДК 537.86 УДК 537.86 П, @2022 [Линк](#)

320. Mishev A., **Velinov P. I. Y.**, **Mateev L.** (2011) Ion production Rate Profiles in the Atmosphere due to Solar Energetic Particles on 28 October 2003 Obtained with CORSIKA 64, 6, 2011, 859-866. ISI IF:0.21

Lumupa ce s:

2165. A. Belehaki, A. Glover, M. Hapgood, J.-P. Luntama, R. Van der Lind et al. (2011) Programme and Abstract Book for 8th European Space Weather Week (ESWW8) Conference, 2008; Palais de Congres the Namur, Namur, Belgium, ESA Publishers, 106 p., @2011
2166. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS, 2008; Palais de Congres the Namur, Namur, Belgium, ESA Publishers, 106 p., @2011
2167. Lazzarotto, F.; Costa, E.; Del Monte, E.; Di Persio, G.; Evangelista, Y.; Feroci, M. et al. (2011) Space Radiation Environment Measurements as by Product of the Geospace Environment Modeling (GEM) Programme and Abstract Book for 8th European Space Weather Week (ESWW8) Conference, 28 November - 02 December, 2008; Palais de Congres the Namur, Belgium, ESA Publishers, 106 p., @2011
2168. Makhmutov, V. S., Bazilevskaya, G. A., Grozdevsky, B. B. (2011). Solar cosmic ray spectra in the 20 January GLE: comparison of simulations with ballon and neutron monitor data. Proceedings of the 32th International Cosmic Ray Conference (pp. 1-4), @2011
2169. CORSIKA 6.52 シミュレーションで得られた2003年10月28日の太陽 ... jglobal.jst.go.jp/public/20090422/201202231776945993, @2012
321. Mishev A., **Velinov P. I. Y.** (2011) Renormalized Ionization Yield Function Y for Different Nuclei Obtained with Full Monte Carlo Simulations. C. R. Acad. Bulg. Sci., 64, 7, 2011, 1059-1066. ISI IF:0.21
- Lumupa ce s:
2170. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS, 2008; Palais de Congres the Namur, Namur, Belgium, ESA Publishers, 106 p., @2011
2171. A. Belehaki, R. van der Linden. Developing Space Weather Products and Services in Europe, COST ES0803 Monitoring progress report, 2012., @2012
2172. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics (IOSR-JAP), 8 (4) Ver. II (Jul. - Dec. 2016), www.iosrjournals.org, @2016
2173. L. Xaplanteris, M. Livada, H. Mavromichalaki, L. Dorman (2020) A new approximate coupling function: The case of Forbush decreases. Solar Wind and Space Weather (SWSW), 10.1016/j.newast.2020.101453, @2020
322. Mishev A., **Velinov P. I. Y.**, **Mateev L.**, **Tassev Y.** (2011) Ionization effect of solar protons in the Earth atmosphere – Case study of the 20 January 2005 SEP event. Adv. Space Res. 61(11):1409-1416. ISI IF (Web of Science):1.409
- Lumupa ce s:
2174. A. Belehaki, A. Glover, M. Hapgood, J.-P. Luntama, R. Van der Lind et al. (2011) Programme and Abstract Book for 8th European Space Weather Week (ESWW8) Conference, 2008; Palais de Congres the Namur, Namur, Belgium, ESA Publishers, 106 p., @2011
2175. Lazzarotto, F.; Costa, E.; Del Monte, E.; Di Persio, G.; Evangelista, Y.; Feroci, M. et al. (2011) Space Radiation Environment Measurements as by Product of the Geospace Environment Modeling (GEM) Programme and Abstract Book for 8th European Space Weather Week (ESWW8) Conference, 28 November - 02 December, 2008; Palais de Congres the Namur, Belgium, ESA Publishers, 106 p., @2011
2176. A. G. Emslie, B. R. Dennis, A. Y. Shih, P. C. Chamberlin, R. A. Mewaldt, C. S. Moore, G. H. Share, A. Vourlidas, and B. T. Welsch. Global energetics of several large solar eruptive events. Report Server - Document ID: 20120016957 (Acquired Dec 17, 2012), pp. 1-40. ntrs.nasa.gov, @2012
2177. Emslie, A. G., Dennis, B. R., Shih, A. Y., Chamberlin, P. C., Mewaldt, R. A., Moore, C. S., Welsch, B. T. (2012). Global energetics of thirty-eight large solar eruptive events. Solar Wind and Space Weather (SWSW), 10.1016/j.newast.2012.01.001, @2012
2178. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. 1 citation - p. 136, @2013
2179. J. Liliensten, A.J. Coates, V. Dehant, T. Dudok de Wit, R. B. Horne, F. Leblanc, J. Luhmann, E. Woodfield, M. Barthélemy. What characterizes planetary space weather? Journal of Space Weather and Space Climate (JSWSC), 10.1007/s00159-014-0079-6 IF = 14.628, @2014
2180. N A Kilifarska. (2015) Bi-decadal solar influence on climate, mediated by near tropopause ozone, Journal of Atmospheric and Solar-Terrestrial Physics 136 (8), DOI: 10.1016/j.jastp.2015.07.001, @2015
2181. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4866-08043846, @2016
2182. W. Chu, G. Qin, The geomagnetic cutoff rigidities at high latitudes for different solar wind and geomagnetic conditions, Annales Geophysicae 34(1):45-53 • January 2016, @2016
2183. L.V. Raychenko, G.V. Melnik (2017) Cosmic sources of the Earth's atmosphere ionization (review), Geofizicheskii Zhurnal (Geophysical Journal) 39(3):40-63, DOI: 10.1007/s3913.2017.104031, @2017
2184. Mithumsiri, U., A. Seripienlert, U. Torterpun, P.-S. Mangiardi, A. Saiz, D. Ruffolo and R. Makatangai (2017) Modeling the polar region atmospheric ionization caused by solar energetic particles. Journal of Geophys. Res., Space Physics, 122, 7946–7955, doi:10.1002/2017JA024125., @2017 [Линк](#)
2185. Natalya Andreeva Kilifarska, V.G. Bakhmutov, G. V. Melnyk (2017) Geomagnetic field and climate variations, Research project, https://www.researchgate.net/publication/317111111_Geomagnetic_field_and_climate_variations, @2017
2186. Usoskin, I. (2017) Updated model CRAC: HEPII of atmospheric ionization due to high energy protons, Proceedings of the 32nd International Cosmic Ray Conference, Proc. ICRC2017_079.pdf – pos.sis.17.079, @2017
2187. Jing He, Juan V. Rodriguez (2018) Onsets of Solar Proton Events in Satellite and Ground Level Observations: A Comparison, Space Weather, AGU Journal of Space Weather and Space Climate (JSWSC), 10.1002/2017SW001743, @2018

2188. Bojilova R., P. Mukhtarov (2019) Response of Total Electron Content to the Three G4 – Severe Geomagnetic Storms in January 2005 Associated with Cosmic Ray Bulg. Sci., 72, 9, BAS, 1244-1250. DOI: 10.7546/CRABS.2019.09.12, @2019
 2189. Kilifarska N. (2019) Latitudinal dependence of the stratospheric ozone and temperature response to solar particles' forcing on 20 January 2005, Aerospace Res. Bul.
 2190. Bojilova R., P. Mukhtarov (2020) Relationship Between Short-term Variations of Solar Activity and Critical Frequencies of the Ionosphere Represented by FoF2 and h'pF2, 1416-1424., @2020
 2191. Q. Wu, H. Li, C. Wang (2020) Short-term Lightning Response to Ground Level Enhancements, Frontiers in Physics, 8:348. Doi: 10.3389/fphy.2020.00, @2020
 2192. Kirsti Kauristie, Jesse Andries, Peter Beck, Kari Österberg et al. - 35 authors (2021) Space Weather Services for Civil Aviation—Challenges and Solutions, 10.3390/rs13183685, LicenseCC BY 4.0, @2021
 2193. P. Mukhtarov, R. Bojilova (2021) Accuracy Assessment of the Ionospheric Critical Frequencies Reconstructed by TEC over Bulgaria, C. R. Acad. Bulg. Sci., 74 (2), 2021
 2194. Susanna Pätsi (2022) Ionization effect in the Earth's atmosphere due to cosmic rays during the GLE # 71 on 17 May 2012, Advances in Space Research, <https://doi.org/10.1016/j.asr.2022.05.012>, @2022
 2195. A Bruno · G A De Nolfo · J M Ryan · I G Richardson 2023 Statistical Relationship between Long-duration High-energy Gamma-Ray Emission and Solar Energetic Particle Events, 10.3847/1538-4357/ace24c, @2023 [Линк](#)
323. **Tonev P., Velinov P. I. Y..** (2011) Model study of the influence of solar wind parameters on electric currents and fields in middle atmosphere at high latitudes. C. R. Acad. Bulg. Sci., 1331, 1733-1742. ISI IF:0.21
- Лумупа се е:
2196. A. Belehaki, A. Glover, M. Hapgood, J.-P. Luntama, R. Van der Lind et al. (2011) Programme and Abstract Book for 8th European Space Weather Week (ESWW8) Conference, 2008; Palais de Congres the Namur, Namur, Belgium, ESA Publishers, 106 p., @2011
 2197. Tsagouri, I., Belehaki, A., Bergeot, N., Cid et al. (2013) Progress in space weather modeling in an operational environment. Journal of Space Weather and Space Climate, 7(1), 1-12, @2013
 2198. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4866-080403846, @2016
 2199. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, Middle-East Journal of Scientific Research, 28(10): 1801-1806, DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
 2200. Umahi, A. E. (2016) Impact of Space Radiation in the Earth's Atmosphere, American-Eurasian J. Agric. & Environ. Sci., 16 (5), 868-873, DOI: 10.5829/idosi.ajeas.2016.16.05.868873, @2016
 2201. N. Jeni Victor, A. V. Frank-Kamenetsky, S. Manu, C. Panneerselvam (2017) Variation of atmospheric electric field measured at Vostok, Antarctica, during St. Patrick's Day 2015, Journal of Geophysical Research: Space Physics, 122 · June 2017, DOI: 10.1002/2017JA024022, @2017
324. **Mishev A., Velinov P. I. Y..** (2011) Normalized ionization yield function for various nuclei obtained with full Monte Carlo simulations. Adv. Space Res., 48, 2011, 19-24. ISI IF:0.21
- Лумупа се е:
2202. A. Belehaki, A. Glover, M. Hapgood, J.-P. Luntama, R. Van der Lind et al. (2011) Programme and Abstract Book for 8th European Space Weather Week (ESWW8) Conference, 2008; Palais de Congres the Namur, Namur, Belgium, ESA Publishers, 106 p., @2011
 2203. D. Pancheva, Ed. National Report on Geodetical and Geophysical Activities in Bulgaria 2007 - 2011, Bulgarian National Committee of Geodesy and Geophysics, BAS, Sofia, 2011, 100 p., @2011
 2204. I.G. Usoskin. Cosmic rays and climate forcing. Memorie della Societa Astronomica Italiana. 01/2011. Vol. 82, 937-942. (2 citations), @2011
 2205. Lazzarotto, F.; Costa, E.; Del Monte, E.; Di Persio, G.; Evangelista, Y.; Feroci, M. et al. (2011) Space Radiation Environment Measurements as by Product of the 8th European Space Weather Week (ESWW8) Conference, 28 November - 02 December, 2008; Palais de Congres the Namur, Belgium, ESA Publishers, 106 p., @2011
 2206. A. G. Emslie, B. R. Dennis, A. Y. Shih, P. C. Chamberlin, R. A. Mewaldt, C. S. Moore, G. H. Share, A. Vourlidas, B. T. Welsch. Global Energetics of Thirty-Eight Large Solar Energetic Particles, 1209:2654, 2012, @2012
 2207. A. G. Emslie, B. R. Dennis, A. Y. Shih, P. C. Chamberlin, R. A. Mewaldt, C. S. Moore, G. H. Share, A. Vourlidas, B. T. Welsch. Global Energetics of Thirty-Eight Large Solar Energetic Particles, 637X Astrophysical Journal 759(1) Art. no. 71, 2012., @2012
 2208. D. Maurin, A. Cheminet, L. Derome, A. Ghelfi, G. Hubert. Neutron Monitors and muon detectors for solar modulation studies: Interstellar flux, yield function, and atmospheric absorption rate calculations. ArXiv:1403.1612v1 astro-ph.EP, 2014. (2 citations), @2013
 2209. Jean Lilensten, Andrew J. Coates, Véronique Dehant, Thierry Dudok de Wit, Richard B. Horne, François Leblanc, Janet Luhmann, Emma Woodfield, Mathieu Barthélemy. Space weather? ISSN: 0935-4956. Astronomy and Astrophysics Review 22 (1), 1-39, 2014., @2014
 2210. Irina A. Mironova, Karen L. Aplin, Frank Arnold, Galina A. Bazilevskaya, I., Energetic Particle Influence on the Earth's Atmosphere, Space Science Reviews 194(1) · February 2015, 015-0185-4, @2015
 2211. Maurin, D., Cheminet, A., Derome, L., Ghelfi, A., & Hubert, G. (2015) Neutron monitors and muon detectors for solar modulation studies: Interstellar flux, yield function, and atmospheric absorption rate calculations. Advances in Space Research, 55(1), 363-389. DOI: 10.1016/j.asr.2014.06.021 (2 citations), @2015
 2212. A. Ghelfi, D. Maurin, A. Cheminet, L. Derome, Geoffroy Hubert, F. Melot (2016) Neutron Monitors and muon detectors for solar modulation studies: 2. time series analysis, 10.1016/j.asr.2016.06.027, @2016
 2213. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4866-080403846, @2016
 2214. A. Ghelfi, D. Maurin, A. Cheminet, L. Derome, Geoffroy Hubert, F. Melot (2017) Neutron monitors and muon detectors for solar modulation studies: 2. time series, Advances in Space Research, Issue 4, 15 August 2017, Pages 833-847. <https://doi.org/10.1016/j.asr.2016.06.027>, @2017
 2215. Irina Mironova, I. G. Usoskin, E. Rozanov, Alexey A. Krivolutsky, Galina Bazilevskaya, Keri A. Nicoll (2017) Energetic Particle Influence on the Earth's Atmosphere, <https://www.researchgate.net/project/Energetic-Particle-Influence-on-the-Earths-Atmosphere>, @2017

2216. N. A. Kilifarska, V. G. Bakhmutov, G. V. Melnyk (2017) Galactic cosmic rays and tropical ozone asymmetries, *Compt. rend. Acad. bulg. Sci.*, 70 (7), 1003-1010., @
2217. S. Tuohino, A. Ibragimov, I. Usoskin et al. (2018) Upgrade of GLE database: Assessment of effective dose rate at flight altitude, Elsevier, *Advances in Space Research*
2218. Kilifarska N. (2019) Latitudinal dependence of the stratospheric ozone and temperature response to solar particles' forcing on 20 January 2005, *Aerospace Res. Bul.*
2219. L. Xaplanteris, M. Livada, H. Mavromichalaki, L. Dorman (2021) A new approximate coupling function: The case of Forbush decreases 10.1016/j.newast.2020.101453, @2021
2220. Susanna Pätsi (2022) Ionization effect in the Earth's atmosphere due to cosmic rays during the GLE # 71 on 17 May 2012, *Advances in Space Research*, <https://doi.org/10.1016/j.newast.2020.101453>, @2024 [Линк](#)
2221. Sergey A. Koldobskiy, Nicholas Larsen, Ilya G. Usoskin (2024) Spectra and Anisotropy of Solar Energetic Protons During GLE #65 on 28 October, 2003 and GLE 299(2), DOI: 10.1007/s11207-024-02269-z, LicenseCC BY 4.0, @2024 [Линк](#)
325. Gronoff G., Mertens C., Lilensten J., Desorgher L., Flueckiger E., **Velinov P. I. Y.** (2011) Ionization processes in the atmosphere of Titan. III - Ionization by high-Z cosmic rays, *Planet. Space Sci.*, 529, 5, 2011, DOI:10.1051/0004-6361/201015675, A143-A146. ISI IF:6.209
- Лумупа се 6:
2222. RB Norman, SR Blattnig, G De Angelis. Deterministic pion and muon transport in Earth's atmosphere. *Advances in Space Research*. Volume 50, Issue 1, 1 July 2010
2223. Varun Sheel, S. A. Haider, Paul Withers, K. Kozarev, I. Jun, S. Kang, G., Numerical simulation of the effects of a solar energetic particle event on the ionosphere of Titan, *Planetary and Space Science* (Impact Factor: 3.44). 11/2012; 117(A5). DOI: 10.1029/2011JA017455, @2012
2224. Yulia N. Kalugina, Mikhail A. Buldakov and Victor N. Cherepanov. Static hyperpolarizability of the van der Waals complex CH₄ - N₂. *Journal of Computational Chemistry* 2553, 15 December 2012., @2012
2225. Dutuit, O., Carrasco, N., Thissen, R., Vuitton, V., Alcaraz, C., Pernot, P., Balucani, N., Casavecchia, P., Canosa, A., Le Picard, S. and Loison, J.C., 2013. Critical Review of the Production Processes and Reactions of Relevance to Titan's Atmosphere. *The Astrophysical Journal Supplement Series*, 204(2), p.20. doi:10.1088/0067-0049/204/2/201301
2226. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. (4 citations - p. 19)
2227. Snowden, D., Yelle, R.V., Galand, M., Coates, A.J., Wellbrock, A., Jones, G.H. and Lavvas, P., 2013. Auroral electron precipitation and flux tube erosion in Titan's upper atmosphere. *Journal of Geophysical Research: Space Physics*, 118, A04301. doi:10.1029/2012JA018401, @2013
2228. I Couturier-Tamburelli, MS Gudipati, A Lignell, R Jacovi. Spectroscopic studies of non-volatile residue formed by photochemistry of solid C₄N₂: A model of condensed phase chemistry. *Planetary and Space Science* Volume 234, 15 May 2014, Pages 81–90. (2 citations), @2014
2229. Lavvas, P. et al. (2014) Titan's emission processes during eclipse, *Icarus*, 241, 397-408. DOI: 10.1016/j.icarus.2014.07.008, @2014
2230. Lilensten, J., Coates, A.J., Dehant, V., De Wit, T.D., Horne, R.B., Leblanc, F., Luhmann, J., Woodfield, E. and Barthélemy, M. (2014) What characterizes planetary atmospheres? *Astrophysics Review*, 22(1), p.79., @2014
2231. Norman, R. B. et al. (2014). Influence of dust loading on atmospheric ionizing radiation on Mars. *Journal of Geophysical Research: Space Physics*, 119(1), 452-461. doi:10.1029/2013JA019201
2232. P. Lavvas et al. (2014) Titan's night-glow mechanisms, *European Planetary Science Congress 2014*, Vol. 9, EPSC2014-130-1, <http://www.ciclops.org/media/ma/2014/09/2014-130-1.pdf>
2233. J. Semkova, T. Dachev, St. Maltchev, B. Tomov, Yu. Matviichuk, P. Dimitrov, R. Koleva, I. Mitrofanov, A. Malakhov, M. Mokrousov, A. Sanin, M. Litvak, A. Kozyrev, V. Vostrikhin, F. Fedosov, N. Grebennikova, V. Benghin, V. Shurshakov. Radiation Environment Investigations During Exomars Missions to Mars - Objectives, Experimental Design and Results. *Compt. rend. Acad. bulg. Sci.*, 68, 2015, 4. (4 citations), @2015
2234. J.C. Loison, E. Hébrard, M. Dobrijevic, K.M. Hickson, F. Caralp, V. Hue et al. (2015) The neutral photochemistry of nitriles, amines and imines in the atmosphere of Titan. *Planetary and Space Science* Pages 218–247. (2 citations on p. 221 and p. 238), @2015
2235. Lilensten, J., D. Bernard M. Barthélemy, A. Opitz, Prediction of blue, red and green aurorae at Mars. *Planetary and Space Science* (2015), <http://dx.doi.org/10.1016/j.pss.2015.07.010> red and green aurorae at Mars. Available from: https://www.researchgate.net/publication/275718628_Prediction_of_blue_red_and_green_aurorae_at_Mars [accessed 10/01/2016]
2236. Nordheim, T. A., Dartnell, L. R. et al. (2015). Ionization of the venusian atmosphere from solar and galactic cosmic rays. *Icarus*, 245, 80-86. DOI: 10.1016/j.icarus.2014.12.010
2237. Simon, S., Roussos, E., & Paty, C. S. (2015). The interaction between Saturn's moons and their plasma environments. *Physics Reports*, 602, 1-65., @2015
2238. C. Plainaki, J. Lilensten, A. Radioti et al. (2016) Planetary space weather: scientific aspects and future perspectives, *J. Space Weather Space Clim.*, 6, A10, <https://doi.org/10.1051/swsc/2016024>, Published online 02 August 2016, @2016
2239. Christina Plainaki, Pavlos Paschalis, Davide Grassi, Helen Mavromichalaki, Maria Andriopoulou. Solar energetic particle interactions with the Venusian atmosphere. *Planetary and Space Science* July 2016, DOI: 10.5194/angeo-34-595-2016, @2016
2240. Dobrijevic, M., Loison, J. C., Hickson, K. M. et al. (2016). 1D-coupled photochemical model of neutrals, cations and anions in the atmosphere of Titan. *Icarus*, 268, 30-45. DOI: 10.1016/j.icarus.2016.04.010
2241. Royer, E. M., Ajello, J. M., Holsclaw, G. M., West, R. A., Esposito, L. W., & Bradley, E. T. (2016). Cassini UVIS Observations of Titan Ultraviolet Airglow Intensity and Wavelength Dependence. *Geophysical Research Letters*, 43, 10, 5400-5410. doi:10.1002/2016GL070401, @2016
2242. O. Shebanits, E. Vigren, J.E. Wahlund et al. (2017) Titan's ionosphere: A survey of solar EUV influences, *J. Geophys. Res. - Space Phys.*, Volume 122, Issue 1, 1 January 2017, doi:10.1002/2017JA023987, @2017
2243. R. D. Jolitz, C. F. Dong, C. O. Lee, R. J. Lillis, D. A. Brain, S. M. Curry, S. Bougher, C. D. Parkinson, B. M. Jakosky (2017) A Monte Carlo Model of Crustal Field Induced Precipitation into the Martian Atmosphere, *Journal of Geophysical Research: Space Physics* · April 2017 DOI: 10.1002/2016JA023781, @2017
2244. Royer, E. M., Ajello, J. M., Holsclaw, G. M., West, R. A., Esposito, L. W., & Bradley, E. T. (2017). Cassini UVIS observations of Titan ultraviolet airglow intensity dependence on solar activity. *Geophysical Research Letters*, 44(1), 88-96., @2017
2245. Tonev P. (2017) Influence of Solar Activity on Dimensions of Red Sprites Caused by Long-Term Variations of Strato-Mesospheric Conductivity - Model Study. *C.R. Acad. Sci. Paris, Ser. B*
2246. Way, M. J., Aleinov, I., Amundsen, D., Chandler, M., Clune, T., Del Genio, A. D., Tsigaridis, K. (2017). Resolving Orbital and Climate Keys of Earth and Extraterrestrial Planets. *General Circulation Model for Simulating the Climates of Rocky Planets*. arXiv preprint arXiv:1701.02360., @2017

2247. V. Vuitton, R.V. Yelle, S.J. Klippenstein, S.M. Hörst (2019) Simulating the density of organic species in the atmosphere of Titan with a coupled ion-neutral photochemistry model. *Journal of Geophysical Research*, Vol. 124, No. 1, pp. 101-115, Elsevier, <https://doi.org/10.1016/j.icarus.2018.06.013>, @2019
 2248. Anna Bouzekova-Penkova, Silviya Simeonova, Rositza Dimitrova, Rayna Dimitrova (2020) Structural Properties of Aluminium Alloy Enhanced by Nanodiamond and Carbon Nanotubes. *Compt. rend. Acad. bulg. Sci.*, Vol 73, No9, pp.1270-1276., @2020
 2249. Ben K. D. Pearce, Karan Molaverdikhani, Ralph E. Pudritz, Thomas Henning, and Eric Hébrard (2020) HCN Production in Titan's Atmosphere: Coupling Quantum Chemistry and Radiative Transfer Modeling, *The Astrophysical Journal*, Volume 901, Number 2, Citation Ben K. D. Pearce et al 2020 ApJ 901 110 • © 2020. The American Astronomical Society., @2020
 2250. Safinaz A. Khaled, Luc Damé, Mohamed A. Semeida, Magdy Y. Amin, Ahmed Ghitas, Shahinaz Yousef et al. (2020) Variations of the Hydrogen Lyman Alpha Line through the 2013-2014 Solar Cycle 12 and SORCE/SOLSTICE Data, *Comptes rendus de l'Académie bulgare des Sciences*, Vol 73, No9, pp.1260-1269., @2020
 2251. Lorenz, Ralph D. (2021) The low electrical conductivity of Titan's lower atmosphere, *Icarus* 354(2):114092, DOI: 10.1016/j.icarus.2020.114092, @2021
 2252. Werner R., V. Guineva, A. Atanasov, D. Valev, D. Danov, B. Petkov, A. Kirillov (2021) Ultraviolet radiation levels over Bulgarian high mountains, *Aerospace Res.* DOI: 10.3897/arb.v33.e03, @2021
 2253. Dobрева P., O. Nitcheva, M. Kartalev (2022) Verification of Ion Density in Magnetosheath Using THEMIS Satellite Plasma Measurements, *C. R. Acad. Bulg. Sci.*, 75(1), pp. 1-6, @2022
 2254. H. Gelov, N. Veselinov, D. Mladenov et al. (2022) Radioline between aircraft in the atmosphere of Jupiter and station on Earth, *C. R. Acad. Bulg. Sci., Science*:0.378, @2022
 2255. Sarah E. Moran, Sarah Marie Hörst, Chao He et al. (2022) Triton Haze Analogs: The Role of Carbon Monoxide in Haze Formation Wiley Logo, *The Journal of Geophysical Research*, Vol. 127, No. 10, e2021JE006984 LicenseCC BY-NC 4.0, @2022
 2256. Benne, B. (2023) Modélisation photochimique de l'atmosphère de Triton (Doctoral dissertation, Université de Bordeaux), 301 p., Soutenue le 25-09-2023, Lilensten., @2023 [Линк](#)
 2257. Safinaz A. Khaled, Luc Dame., Amira Shimeis, Shahinaz Yousef, M. A. Semeida et al. (2023) Statistical study of confined filament/prominence eruptions during solar cycle 25, *Journal of Space Weather and Space Climate*, Vol. 13, No. 1, pp. 1384-1392. DOI:10.7546/CRABS.2023.09.09, @2023 [Линк](#)
 2258. Sakshi Gupta, Arnab Basak, Dibendu Nandy (2023) Impact of Changing Stellar and Planetary Magnetic Fields on (Exo)planetary Environments and Atmospheric Magnetospheres, *Journal of Space Weather and Space Climate*, Vol. 13, No. 1, pp. 1393-1408. <https://doi.org/10.48550/arXiv.2303.04770>, @2023 [Линк](#)
326. Mishev A., **Velinov P. I. Y.**, **Mateev L.** (2011) Atmospheric Ionization due to SEP on 28 October 2003 and 20 January 2005. *Proceedings of the 32nd International Cosmic Ray Conference*, Beijing, China, 11-18 August 2011, 2011, pp. 318-321.
- Лумупа се е:
2259. Rami Vainio. Solar Energetic Particles and Cosmic-Ray Effects at Earth and Planets. *Proc. 32nd International Cosmic Ray Conference*, Beijing China, 2011, 12, 204-205.
 2260. Sura I. Gburi, Najat M. R. AL-Ubaidi (2023) Effect of solar proton events on the electron density of the ionosphere for different altitudes, *Conference: 2ND INTERNATIONAL COSMIC RAY RESEARCH AND ENGINEERING (ICARAE2022)*, DOI: 10.1063/5.0167912, @2023 [Линк](#)
327. **Velinov P. I. Y.**, Mishev A., **Asenovski, S.**, **Mateev L.** (2011) New Operational Models for Cosmic Ray Ionization in Space Physics. (Review paper). *Bulg. J. Phys.*, Vol. 38, No. 1, pp. 1-10.
- Лумупа се е:
2261. Tsagouri, I., Belehaki, A., Bergeot, N., Cid, C., Delouille, V., Egorova, T., ... & Pietrella, M. (2013). Progress in space weather modeling in an operational environment. *Space Weather*, 11(12), A17., @2013
 2262. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *IOSR Journal of Applied Physics (IOSR-JAP)*, 8 (4) Ver. II (Jul. 2016), pp. 1-5. www.iosrjournals.org, @2016
 2263. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, *Middle-East Journal of Scientific Research*, Vol. 24, No. 5, pp. 1801-1807. DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
328. **Buchvarova M.**, **Velinov P. I. Y.**, Buchvarov I.. (2011) Model Approximation of Cosmic Ray Spectrum. *Planet. Space Sci.*, 59, 4, 2011, 355-363. ISI IF:2.55
- Лумупа се е:
2264. Velinov P. I. Y., Asenovski S., Kudela K., Lastovicka J., Mateev L., Mishev A., Tonev P.. (2013) Impact of cosmic rays and solar energetic particles on the Earth's ionosphere. *Journal of Space Weather and Space Climate*, Vol. 3, A14, 2013, ISSN:2115-7251, DOI:<http://dx.doi.org/10.1051/swsc/2013036>, pp. 1-17., @2013 [Линк](#)
 2265. D.Maurin, A. Cheminet, L. Derome, A. Ghel, G. Hubert, Neutron monitors and muon detectors for solar modulation studies: Interstellar flux, yield function, and assessment of the models. *Advances in Space Research*, 55(1), 363-389. (2 citations), @2015
 2266. Maurin, D., Cheminet, A., Derome, L., Ghelfi, A., & Hubert, G. (2015) Neutron monitors and muon detectors for solar modulation studies: Interstellar flux, yield function, and assessment of the models. *Advances in Space Research*, 55(1), 363-389. (2 citations), @2015
 2267. Hubert, G. (2016) Analyses of cosmic ray induced-neutron based on spectrometers operated simultaneously at mid-latitude and Antarctica high-altitude stations. *Advances in Space Research*, 57(1), 30-39., @2016
 2268. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *IOSR Journal of Applied Physics (IOSR-JAP)*, 8 (4) Ver. II (Jul. 2016), pp. 1-5. www.iosrjournals.org, @2016
 2269. A. Santiago, Alejandro Lara, O. Enríquez-Rivera, Rogelio Antonio Caballero-Lopez (2018) New Method to Calculate the Time Variation of the Force-Field Parameter, *Journal of Space Weather and Space Climate*, Vol. 8, No. 1, pp. 1-10. DOI: 10.1002/2017JA024914, @2018
329. **Velinov P. I. Y.**, **Asenovski S.**, **Mateev L.** (2011) Simulation of cosmic ray ionization profiles in the middle atmosphere and lower ionosphere on account of characteristic parameters of the solar wind. *Journal of Space Weather and Space Climate*, Vol. 1, No. 1, pp. 1303-1310. SJR:0.206, ISI IF:0.21

Lumupa ce e:

2270. A. Belehaki, A. Glover, M. Hapgood, J.-P. Luntama, R. Van der Lind et al. (2011) Programme and Abstract Book for 8th European Space Weather Week (ESWW8) 2008; Palais de Congres the Namur, Namur, Belgium, ESA Publishers, 106 p., @2011
2271. Alexander Mishev (2013) Short- and Medium-Term Induced Ionization in the Earth Atmosphere by Galactic and Solar Cosmic Rays, International Journal of Atmos 184508, 9 pages, <http://dx.doi.org/10.1155/2013/184508> , LicenseCC BY 3.0, @2013
2272. K. Kudela. On Cosmic Rays and Space Weather in the Vicinity of Earth. In: Ed. by Jorge A. Perez-Peraza. Homage to the Discovery of Cosmic Rays, the Meson-Muon Nova Science Publishers, 2013, pp. 177-200., @2013
2273. Tsagouri, I., Belehaki, A., Bergeot, N. et al. (2013) Progress in space weather modeling in an operational environment, Journal of Space Weather and Space Climate
2274. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, World Applied Sciences Journal 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5829/10.5829/idosi.wasj.2016.34.03.312317, @2016
2275. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics (IOSR-JAP), 8 (4) Ver. II (Jul. 2016), www.iosrjournals.org, @2016
2276. Umahi, A. E. (2016) Variability of Galactic Cosmic rays Flux and Solar Activities in the Earth's Atmospheric Environment, American-Eurasian J. Agric. & Food Sci. 10.5829/idosi.aejas.2016.16.5.10441., @2016
2277. Umahi, A. E. (2016) Impact of High Energy Charged Galactic Particle Variations in the Earth's Atmosphere, Middle-East Journal of Scientific 10.5829/idosi.mejsr.2016.24.05.23456, @2016
2278. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udeaja, V.N., Anih, J.O., Onyia, A.I., Adieme, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, Cosmic Rays in the Atmosphere, IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), e-ISSN: 2319-2402, p- ISSN: 2319-2319, pp. 80-84, www.iosrjournals.org, @2016

2012

330. Gronoff G., Mertens C., Lilensten J., Desorgher L., Modolo R., Flueckiger E., **Velinov P. I. Y.**. (2012) Ionization Processes in the Atmosphere of Titan: from Electron Precipitation to Z Cosmic Rays Ionization. Publication: Titan Through Time; Unlocking Titan's Past, Present and Future, NASA Goddard Space Flight Center, April 3th - 5th, 2012. Edited by G. Gronoff. Online at <http://space-science.arc.nasa.gov/events/titan-through-time-ii-workshop>, p.92., 2012, pp. 1-14.

Lumupa ce e:

2279. Anna Bouzekova-Penkova, Silviya Simeonova, Rositza Dimitrova, Rayna Dimitrova (2020) Structural Properties of Aluminium Alloy Enhanced by Nanodiamond and Carbon Nanotubes, Compt. rend. Acad. bulg. Sci., Vol 73, No9, pp.1270-1276., @2020

331. Mishev A., **Velinov P. I. Y.**. (2012) Contribution of Cosmic Ray Nuclei of Solar and Galactic Origin to Atmospheric Ionization During SEP Event on 20 January 2005. C.R. Acad. Bulg. Sci., 65, 3, 2012, 373-380. ISI IF:0.211

Lumupa ce e:

2280. A.E. Umahi (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics 08 (04): 38-46, DOI: 10.9790/4861-080403846, @2016

2281. P. Mukhtarov, R. Bojilova (2021) Accuracy Assessment of the Ionospheric Critical Frequencies Reconstructed by TEC over Bulgaria, C. R. Acad. Bulg. Sci., 74 (2), 2021, pp. 1-12, @2021

332. Abunina M., Papaioannou A., Gerontidou M., Paschalis P., Abunin A., Gaidash S., Tsepakina I., Malimbayev A., Belov A., Mavromichalaki H., Kryakunova O., **Velinov P. I. Y.**. (2012) Conditions in near-Earth space. Proc. 23rd ECRS (Moscow, 3-7 July 2012), ecrs_sh_622, 2012, pp. 1-12

Lumupa ce e:

2282. Π. Πασχάλης (2014) Έλεγχος ποιότητας δεδομένων υψηλής ανάλυσης των Μετρητών Νετρονίων και ανάπτυξη τεχνικών προσομοίωσης, pp. 1-12, pergamos.lib.uoa.gr, @2014 [Линк](#)

333. **Velinov P. I. Y., Asenovski, S., Mateev L.**. (2012) Ionization of Anomalous Cosmic Rays in Ionosphere and Middle Atmosphere Simulated by CORIMIA Code. C. R. Acad. Bulg. Sci. (Web of Science):0.211

Lumupa ce e:

2283. K. Kudela. On Cosmic Rays and Space Weather in the Vicinity of Earth. In: Ed. by Jorge A. Perez-Peraza. Homage to the Discovery of Cosmic Rays, the Meson-Muon and Solar Cosmic Rays. Nova Science ISBN: 978-1-62618-998-0, 2013. in: Space Weather in the Vicinity of Earth., @2013

334. Mishev A., **Velinov P. I. Y., Mateev L., Tassev Y.**. (2012) Ionization effect of nuclei with solar and galactic origin in the Earth atmosphere during GLE 69 on 20 January 2005. JCR-IF (Web of Science):1.463

Lumupa ce e:

2284. Jorge A. Perez-Peraza, Ed. Homage to the Discovery of Cosmic Rays, the Meson-Muon and Solar Cosmic Rays. Nova Science ISBN: 978-1-62618-998-0, 2013. in: Space Weather in the Vicinity of Earth., @2013

2285. K. Kudela. On Cosmic Rays and Space Weather in the Vicinity of Earth. In: Ed. by Jorge A. Perez-Peraza. Homage to the Discovery of Cosmic Rays, the Meson-Muon and Solar Cosmic Rays. Nova Science Publishers, 2013, pp. 177-200., @2013

2286. S. Asenovski. Operational Model CORIMIA (COsmic Ray Ionization Model for Ionosphere and Atmosphere), PhD Thesis, Sofia, ISRT BAS, 2013. 1 citation - p. 136, @2013

2287. Laird, C. M., Melott, A. L., Smart, D. F., & Shea, M. A. (2014). Missing the trees for the forest: Countering the arguments against SPE nitrates in ice cores. *Conference on Space Weather and Solar Terrestrial Physics*, 2014, DOI: 10.13140/RG.2.1.2727.9523, In: *Terrestrial Effects of Extreme Solar Events*, pp. 1-19. See: <https://www.researchgate.net/publication/278627180>, @2014
2288. J. Semkova, T. Dachev, St. Maltchev, B. Tomov, Yu. Matviichuk, P. Dimitrov, R. Koleva, I. Mitrofanov, A. Malakhov, M. Mokrousov, A. Sanin, M. Litvak, A. Kozyrev, V. Vostrukhin, F. Fedosov, N. Grebennikova, V. Benghin, V. Shurshakov. *Radiation Environment Investigations During Exomars Missions to Mars - Objectives, Experiments and Results*, Bulg. Sci., 68, 2015, 4. (4 citations), @2015
2289. N A Kilifarska. (2015) Bi-decadal solar influence on climate, mediated by near tropopause ozone, *Journal of Atmospheric and Solar-Terrestrial Physics* 136 (8), DOI: 10.1016/j.jastp.2015.10.004, IF = 1.751, @2015
2290. W. Mitthumsiri, A. Seripienlert, D. Ruffolo, P.-S. Mangeard, A. Sáiz, U. Tortempun (2015) Simulations of Polar-Region Atmospheric Ionization Induced by Large Solar Flares, 34rd ICRC 30 July-6 August 2015 Hague, Netherlands, Proceedings of Science, paper 196, 2016, DOI10.22323/1.236.0196, Conference: 34th International Cosmic Ray Conference, 2016, Netherlands <https://www.researchgate.net/publication/280009358> (3 citations), @2015
2291. Artamonov, A. A., et al. (2016) Model CRAC: EPII for atmospheric ionization due to precipitating electrons: Yield function and applications. *Journal of Geophysical Research* 121, 1743., @2016
2292. G.G. Didebulidze, M. Todua (2016) The inter-annual distribution of cloudless days and nights in Abastumani: Coupling with cosmic factors and climate change. *Journal of Atmospheric and Solar-Terrestrial Physics*, 141, 48-55, DOI: 10.1016/j.jastp.2015.10.004, IF = 1.751, @2016
2293. Mitthumsiri W., A. Seripienlert, D. Ruffolo, P.-S. Mangeard, A. Sáiz, U. Tortempun (2016) Simulations of Polar-Region Atmospheric Ionization Induced by the Ground Level Enhancements, *Proc. Sci.*, Conference: The 34th International Cosmic Ray Conference, DOI: 10.22323/1.236.0196, @2016 [Линк](#)
2294. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *IOSR Journal of Applied Physics* 08 (04): 38-46, DOI: 10.9790/4861-080403846, @2016
2295. Mitthumsiri, W., A. Seripienlert, U. Tortempun, P.-S. Mangeard, A. Sáiz, D. Ruffolo, and R. Macatangay (2017), Modeling polar region atmospheric ionization induced by solar flares, *Journal of Geophysical Research*, 122, 7946–7955, doi:10.1002/2017JA024125., @2017
2296. Natalya Andreeva Kilifarska, V.G. Bakhmutov, G. V. Melnyk (2017) Geomagnetic field and climate variations, Research project, <https://www.researchgate.net/publication/315111111>, @2017
2297. Bojilova R., P. Mukhtarov (2019) Response of Total Electron Content to the Three G4 – Severe Geomagnetic Storms in January 2005 Associated with Cosmic Ray Storms, *Bulg. Sci.*, 72, 9, BAS, 1244-1250. DOI: 10.7546/CRABS.2019.09.12, @2019
2298. Kilifarska N. (2019) Latitudinal dependence of the stratospheric ozone and temperature response to solar particles' forcing on 20 January 2005, *Aerospace Res. Bulg. Sci.*, 72, 9, BAS, 1251-1258. DOI: 10.7546/CRABS.2019.09.13, @2019
2299. Q. Wu, H. Li, C. Wang (2020) Short-term Lightning Response to Ground Level Enhancements, *Frontiers in Physics*, 8:348. Doi: 10.3389/fphy.2020.000348, @2020
2300. P. Mukhtarov, R. Bojilova (2021) Accuracy Assessment of the Ionospheric Critical Frequencies Reconstructed by TEC over Bulgaria, *C. R. Acad. Bulg. Sci.*, 74 (2), 2021, 1-10. DOI: 10.15688/crasc.2021.742.1, @2021
2301. Susanna Pätsi (2022) Ionization effect in the Earth's atmosphere due to cosmic rays during the GLE # 71 on 17 May 2012, *Advances in Space Research*, <https://doi.org/10.1016/j.asr.2022.03.015>, @2022
2302. Alessandro Bruno, Georgia A. de Nolfo, James M. Ryan, Ian G. Richardson, Silvia Dalla (2023) Statistical Relationship Between Long-duration High-Energy Gamma-Ray Emissions and Solar Flares, *arXiv:2306.14671 [astro-ph.SR]*, <https://doi.org/10.48550/arXiv.2306.14671>, @2023 [Линк](#)

335. Velinov P. I. Y., Asenovski, S., Mateev, L.. (2012) Improved Cosmic Ray Ionization Model for the Ionosphere and Atmosphere (CORIMIA) with account of 6 characteristic parameters, *BAS, 2012*, 1137-1144. SJR:0.206, ISI IF:0.211

Лумупа се е:

2303. K. Kudela. On Cosmic Rays and Space Weather in the Vicinity of Earth. In: Ed. by Jorge A. Perez-Peraza. *Homage to the Discovery of Cosmic Rays, the Meson-Muon Era*. Springer, 2013, pp. 177-200., @2013
2304. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *IOSR Journal of Applied Physics (IOSR-JAP)*, 8 (4) Ver. II (Jul. 2016), 38-46, www.iosrjournals.org, @2016
2305. Umahi, A. E. (2016) Effects of Cosmic Rays and Solar Flare Variations in Earth's Atmospheric Mechanism and Ionization, *Middle-East Journal of Scientific Research*, 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23457., @2016
2306. Umahi, A. E. (2016) Impact of High Energy Charged Galactic Particle Variations in the Earth's Atmosphere, *Middle-East Journal of Scientific Research*, 1801.DOI:10.5829/idosi.mejsr.2016.24.05.23456, @2016
2307. Umahi, A.E. (2016). Earth's Environmental Pollution from Galactic Cosmic Rays Flux, *World Applied Science Journal*, 34 (3), 338-342, DOI: 10.5829/idosi.wasj.2016.34.3.338-342, @2016

2013

336. Tonev P.T., Velinov P. I. Y.. (2013) Development of Simulation Model for DC Electric Currents and Fields in Equatorial Lower Ionosphere above Thunderstorms and Their Effects, *Bulg. Sci.*, 66, 12, BAS, 2013, ISSN:1310–1331, 1739-1750. SJR:0.2, ISI IF:0.198

Лумупа се е:

2308. Nenovski, P. (2014). Global surface wave resonances of the earth magnetosphere and their possible manifestation. *arXiv:1411.5218v1 [physics.space-ph]*, Subject: Space and Planetary Physics (physics.space-ph), pp. 1-8., @2014
2309. Nenovski P.. GLOBAL SURFACE WAVE RESONANCES OF THE EARTH'S MAGNETOSPHERE AND THEIR POSSIBLE MANIFESTATION, *Compt. rend. Acad. Bulg. Sci.*, 137, 240, @2015 [Линк](#)

337. Tsagouri I., Belehaki A., Velinov P. I. Y. I., Viljanen A.. (2013) Progress in Space Weather Modeling in an Operational Environment (Review paper - Book), 72 pages. *Journal of Space Weather and Space Climate*, Vol. 3, A17, 2013, DOI:<http://dx.doi.org/10.1051/swsc/2013037>, pp. 1-72. JCR-IF (Web of Science):3.14

Лумупа се е:

2310. A. Beleghaki et al. (2012) Upgrades to the topside sounders model assisted by Digisonde (TaD) and its validation at the topside ionosphere, *Journal of Space Weather and Space Climate*, 6(1), DOI: <https://doi.org/10.1051/swsc/2012020>, @2012
2311. W. Aerts, Q. Baire, J. Berckmans et al. (2013) EUREF 2013, NATIONAL REPORT OF BELGIUM, EPN Central Bureau (<http://www.epncb.oma.be/>) - euref.eu, @2013
2312. Anna Beleghaki, Mauro Messerotti, Maurizio Candidi (2014) Developing Space Weather products and services in Europe – Preface to the Special Issue on COST Action 13.15 of Space Weather and Space Climate 4:E1, DOI: 10.1051/swsc/2014032, LicenseCC BY 4.0, @2014
2313. J. Liliensten, A.J. Coates, V. Dehant, T. Dudok de Wit, R. B. Horne, F. Leblanc, J. Luhmann, E. Woodfield, M. Barthélemy. What characterizes planetary space weather? *Journal of Space Weather and Space Climate*, 6(1), DOI: 10.1007/s00159-014-0079-6 IF = 14.628, @2014
2314. Luca Di Fino, Veronica Zaconte, Marco Stangalini, Stefano Scardigli. Solar particle event detected by ALTEA on board the International Space Station, *Journal of Space Weather and Space Climate*, 6(1), DOI: 10.1051/swsc/2014015 - License: CC BY 4.0, @2014
2315. Nicolas Bergeot, J.-M. Chevalier, Carine Bruyninx (2014) Near real-time ionospheric monitoring over Europe at the Royal Observatory of Belgium using GNSS data, *Space Weather*, 12(1), DOI: <https://doi.org/10.1051/swsc/2014028>, @2014
2316. Ljiljana R. Cander (2015) Forecasting foF2 and MUF(3000)F2 ionospheric characteristics – A challenging space weather frontier, *Advances in Space Research*, 56(1), DOI: 10.1016/j.asr.2015.05.015, @2015
2317. Sophie A. Murray, Edmund M. Henley, David R. Jackson, Sean L. Bruinsma (2015) Assessing the performance of thermospheric modeling with data assimilation, *Space Weather*, 13(4), DOI: 10.1002/2015SW001163, @2015
2318. Alberto García-Rigo, Marlon Núñez, Rami Qahwaji, Omar W A Ashamari, Manuel Hernandez Pajares, Piers Jiggins, Alain Hilgers, G. Pére (2016) Prediction and Validation of Solar Flares for Risk Estimation in Space Launch Operations, May 2016, *Journal of Space Weather and Space Climate* 6(A28):1-15, DOI: 10.1051/swsc/2016021, @2016
2319. Allison Kealy - iag.dgfi.tum.de, IAG Commissions: Commission 4 – Positioning and Application, p. 37, <http://www2.ceegs.ohio-state.edu/IAG-Comm4>, @2016
2320. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, *IOSR Journal of Applied Physics (IOSR-JAP)*, 8(4) Ver. II (Jul. 2016), DOI: www.iosrjournals.org, @2016
2321. Alberto García-Rigo (2017) Research project SEPsFLAREs, <https://www.researchgate.net/project/SEPsFLAREs>, @2017
2322. Allison Kealy (2017) Report of the IAG, vol. 40 - Travaux de AIG 2015-2017, Commission 4 – Positioning and Applications, http://IAG-Comm4.gge.unb.ca/docs/Travaux2017/04_Commission_4_2015-2017.pdf, @2017
2323. Marlon Nunez, Pedro J. Reyes-Santiago, Olga E. Malandraki (2017) Prediction of Ground Level Enhancements. *Proceedings IAU Symposium No. 335*, 2017. pp. 1-10, DOI: 10.1017/9781107481166.001, 2017 International Astronomical Union., @2017
2324. Marlon Núñez, Pedro Reyes, Olga E. Malandraki (2017) Real-time prediction of the occurrence of GLE events, *Space Weather*, 15(7), DOI: 10.1002/2017SW001163, @2017
2325. Doris Folini (2018) Climate, weather, space weather: model development in an operational context, *Journal of Space Weather and Space Climate*, 8:A32. pp. 1-19. DOI: 10.1051/swsc/2018023, @2018
2326. Folini D. (2018) Climate, weather, space weather: model development in an operational context, *Earth and Planetary Astrophysics (astro-ph.EP)*, arXiv.org:1804.11166v1 [astro-ph.EP], National Laboratory (LANL), NM; Cornell University Library, Ithaca, NY, USA, @2018
2327. Gurbax S. Lakhina, Bruce T. Tsurutani (2018) Supergeomagnetic Storms: Past, Present, and Future, Chapter 7 in the book "Extreme Events in Geospace - Origins and Impacts", Elsevier, Pages 157-185, <https://doi.org/10.1016/B978-0-12-812700-1.00007-8>, @2018
2328. Marlon Núñez (2018) Predicting well-connected SEP events from observations of solar soft X-rays and near-relativistic electrons, *Journal of Space Weather and Space Climate*, 6(1), DOI: 10.1051/swsc/2018023, @2018
2329. Mike Liemohn, Natalia Yu. Ganushkina, Darren L. De Zeeuw, Lutz Rastaetter, Maria Kuznetsova, Daniel T. Welling, Gabor Toth, Raluca Ilie, Tamas I. Gombosi, B. T. Tsurutani (2018) Real-Time SWMF at CCMC: Assessing the Dst Output From Continuous Coupled Space Weather Modeling, *Journal of Space Weather and Space Climate*, 6(1), DOI: 10.1051/swsc/2018023, @2018
2330. Murray S. A. (2018) The importance of ensemble techniques for operational space weather forecasting, *Space Physics* arXiv.org: 1806.09861v1 [physics.space-ph], National Laboratory (LANL), NM; Cornell University Library, Ithaca, NY, USA, pp. 1-10. ISI IF:0.41, @2018
2331. Shu, Qingying (2018) Statistical modelling of the near-Earth magnetic field in space weather. PhD thesis - 197 p., University of Glasgow. College of Science and Engineering, Statistics, URL: <http://theses.gla.ac.uk/id/eprint/8937>, Printed Thesis Information: http://encore.lib.gla.ac.uk/iii/encore/record/C__Rb3305743, @2018
2332. Sophie A. Murray (2018) The Importance of Ensemble Techniques for Operational Space Weather Forecasting, *Space Weather* 16(1), July 2018, DOI: 10.1029/2018SW001163, @2018
2333. Bouzekova-Penkova A., P. Tzvetkov (2019) Investigation of Outer Space Influence on Structural Properties of Strengthened 7075 Aluminum Alloy. *Experiments Onboard International Space Station*, C. R. Acad. Bulg. Sci., 72(7), 939-946., @2019
2334. Marlon Núñez, Teresa Nieves-Chinchilla, Antti Pulkkinen (2019) Predicting well-connected SEP events from observations of solar EUVs and energetic protons, *Journal of Space Weather and Space Climate*, 6(1), DOI: 10.1051/swsc/2019025, @2019
2335. Steven K. Morley (2019) Challenges and Opportunities in Magnetospheric Space Weather Prediction, *Space Weather*, 18(3), DOI: 10.1029/2018SW002108, LicenseCC BY 4.0, @2019
2336. I. A. Galkin, B. W. Reinisch, A. M. Vesnin, D. Bilitza, S. Fridman, J. B. Habarulema, O. Veliz (2020) Assimilation of Sparse Continuous Near-Earth Weather Measurements into the Space Weather Model, *Space Weather*, 18(11), <https://doi.org/10.1029/2020SW002463>, @2020
2337. J. A. Guerra, A. Pulkkinen, V. M. Uritsky (2020) Ensemble Forecasting of Major Solar Flares, ESWW 12. Session - Solar Storms: Flares, CMEs and Geospace Impacts, *Space Weather*, 18(11), https://www.stce.be/esww12/contributions/public/S4-P1/S4-P1-06-GuerraJordan/Poster_ESWW12_ensemble.pdf, @2020 [Линк](#)
2338. Jordan A. Guerra, Sophie A. Murray, D. Shaun Bloomfield, Peter T. Gallagher (2020) Ensemble forecasting of major solar flares: methods for combining models, *Journal of Space Weather and Space Climate*, 6(1), DOI: 10.1051/swsc/2020042, LicenseCC BY-NC, Published by EDP Sciences, @2020
2339. M. Pietrella, M. Pezzopane, B. Zolesi, Lj. R. Cander, A. Pignalberi (2020) Simplified Ionospheric Regional Model (SIRM) for HF Prediction: Basic Theory, Its Evolution and Validation, *Journal of Space Weather and Space Climate*, 6(1), DOI: 10.1007/s10712-020-09600-w, (IF 5.544) Pub Date : 2020-07-18, @2020
2340. Marlon Núñez, Daniel Paul-Pena (2020) Predicting >10 MeV SEP Events from Solar Flare and Radio Burst Data, *Universe* 6(10), DOI: 10.3390/universe6100161, @2020
2341. Morley S. (2020) Challenges and Opportunities in Magnetospheric Space Weather Prediction, *Space Weather*, 19(3), DOI: 10.1029/2018SW002108, Los Alamos National Laboratory, @2020

2342. Safinaz A. Khaled, Luc Damé, Mohamed A. Semeida, Magdy Y. Amin, Ahmed Ghitas, Shahinaz Yousef et al. (2020) Variations of the Hydrogen Lyman Alpha Line through 2019 using SDO/AIA 121 and SORCE/SOLSTICE Data, Comptes rendus de l'Académie bulgare des Sciences, Vol 73, No9, pp.1260-1269., @2020
2343. Asenovski S. (2021) Investigation of the different periods characterising solar magnetic field reversals, C. R. Acad. Bulg. Sci., 74 (7), 1024-1031, JCR-IF (Web of Science):0.21, @2021
2344. Pilipenko Vyacheslav (2021) Space weather impact on ground-based technological systems, Solnechno-Zemnaya Fizika, 7 (3), 68-104, DOI: 10.12737/szf-73202103, @2021
2345. Sokolova Olga, Nikolay Korovkin, Masashi Hayakawa (2021) Geomagnetic Disturbances Impacts on Power Systems: Risk Analysis and Mitigation Strategies, Space Weather, 19(12), 1-15, DOI: 10.1201/9781003134152, ISBN: 9781003134152, @2021
2346. Werner R., V. Guineva, A. Atanasov, D. Valev, D. Danov, B. Petkov, A. Kirillov (2021) Ultraviolet radiation levels over Bulgarian high mountains, Aerospace Res. Lett., 18(1), 1-6, DOI: 10.3897/arb.v33.e03, @2021
2347. Пилипенко В. А. (2021) Воздействие космической погоды на наземные технологические системы, Солнечно-земная физика, Том 7, № 3, 72-110, Научно-издательский центр БАН, @2021
2348. Dobrev P., O. Nicheva, M. Kartalev (2022) Verification of Ion Density in Magnetosheath Using THEMIS Satellite Plasma Measurements, C. R. Acad. Bulg. Sci., 75 (1), 1-6, @2022
2349. Marlon Núñez (2022) Evaluation of the UMASEP-10 Version 2 Tool for Predicting All >10 MeV SEP Events of Solar Cycles 22, 23 and 24, Universe 8(1):35, DOI: 10.3390/universe8010035, @2022
2350. Mishev A. (2023) Cosmic Ray Spectra and Intensity in Middle Atmosphere (CORSIMA) Model. Use and Application for Galactic Cosmic Rays. Proceedings of Science PoS, Cosmic Ray Symposium, vol. 423, pp. 1-8, https://pos.sissa.it/423/, 2023, JCR-IF (Web of Science):0.21, @2023 [Линк](#)
2351. Safinaz A. Khaled, Luc Dame., Amira Shimeis, Shahinaz Yousef, M. A. Semeida et al. (2023) Statistical study of confined filament/prominence eruptions during solar cycle 25, Solar Wind, 1384-1392. DOI:10.7546/CRABS.2023.09.09, @2023 [Линк](#)
2352. Bojilova R., Atanasova M. (2024) Post-seismic ionosphere effects after Croatian MW 6.4 earthquake on 29 December 2020, C. R. Acad. Bulg. Sci., 77(1), 1-6, DOI:10.7546/CRABS.2024.05.07, @2024 [Линк](#)
338. Mishev A., **Velinov P. I. Y.** (2013) Computation of Ionization Effect During GLE 70 on 13 December 2006. Proceedings of Science PoS, Astroparticle Physics, The 33rd International Cosmic Ray Conference (paper 184), Rio de Janeiro, Brasil, 2-9 July, 2013, pp. 1-8. JCR-IF (Web of Science):0.21
- Литература по темата:
2353. Vida Žigman, Karel Kudela, Davorka Grubor. Response of the Earth's lower ionosphere to the Ground Level Enhancement event of December 13, 2006. ISSN: 0021-8718, 53(5), 763-755, 2014., @2014
2354. Q. Wu, H. Li, C. Wang (2020) Short-term Lightning Response to Ground Level Enhancements, Frontiers in Physics, 8:348. Doi: 10.3389/fphy.2020.00, @2020
339. Mishev A., **Velinov P. I. Y.** (2013) A Maverick GLE 70 in Solar Minimum. Calculations of Enhanced Ionization in the Atmosphere Due to Relativistic Solar Energetic Particles, Journal of Physics: Conference Series, 409, 1457-1462. ISI IF:0.198
- Литература по темата:
2355. A. Varonov, Y. Shopov. On the influence of total solar irradiance on global land temperature. ISSN: 1310-1331. Comptes rendus de l'Académie bulgare des Sciences, 73(1), 1-6, @2020
2356. Kudela, K. (2016) On low energy cosmic rays and energetic particles near Earth, Contributions of the Astronomical Observatory Skalnaté Pleso, 46(1), pp. 15-70., @2016
2357. Varonov, A., Shopov, Y. Y. (2016, February) Correlation between total solar irradiance and global land temperatures for the last 120 years. In AIP Conference Proceedings, 1732, 020011, AIP Publishing., @2016
2358. Usoskin, I. (2017) Updated model CRAC: HEPII of atmospheric ionization due to high energy protons, Proceedings of Science - Proc. ICRC2017_079.pdf – pos.sissa.it/423/, @2017
340. **Velinov P. I. Y.**, Mishev A.. (2013) Comparison of Ionization Effect in the Atmosphere of the Earth Due to GLE 65 and GLE 69 [In: 23rd European Cosmic Ray Symposium (ICRC2013), Moscow]. Journal of Physics: Conference Series, 409, 012211, 2013, ISSN:1742-6596, DOI:10.1088/issn.1742-6596, 1-4. SJR (Scopus):0.32, JCR-IF (Web of Science):0.21
- Литература по темата:
2359. Žigman V., Kudela K., Grubor D., Response of the Earth's lower ionosphere to the Ground Level Enhancement event of December 13, 2006. Adv. Space Sci. (2014), 11(2 citations), @2014
2360. K. A. Firoz, W. Q. Gan, Y. P. Li, J. Rodríguez-Pacheco, K. Kudela (2019) On the Possible Mechanism of GLE Initiation, The Astrophysical Journal, Volume 872, Number 2, 2019. The American Astronomical Society, https://orcid.org/0000-0002-1277-1617, , @2019
2361. K. A. Firoz, W. Q. Gan, Y.-J. Moon, J. Rodríguez-Pacheco, and Y. P. Li (2019) On the Relation between Flare and CME during GLE-SEP and Non-GLE-SEP Events, The Astrophysical Journal, 872(2), 1-10, DOI: 10.3847/1538-4357/ab3c4e. The American Astronomical Society, @2019
2362. R. Bojilova, P. Mukhtarov (2019) Response of Total Electron Content to the Three G4 – Severe Geomagnetic Storms in January 2005 Associated with Cosmic Ray Storm, C. R. Acad. Bulg. Sci., 72, 9, BAS, 1244-1250. DOI: 10.7546/CRABS.2019.09.12, @2019
2363. Q. Wu, H. Li, C. Wang (2020) Short-term Lightning Response to Ground Level Enhancements, Frontiers in Physics, 8:348. Doi: 10.3389/fphy.2020.00, @2020
341. Abunina M., Papaioannou A., Gerontidou M., Paschalis P., Abunin A., Gaidash S., Tsepakina I., Malimbayev A., Belov A., Mavromichalaki H., Kryakunova O., **Velinov P. I. Y.** (2013) Conditions in Near-Earth space. Journal of Physics: Conference Series, 409, 012197, 2013, ISSN:1742-6596, DOI:10.1088/issn.1742-6596, 1-4. SJR (Scopus):0.32, JCR-IF (Web of Science):0.21
- Литература по темата:
2364. Meera Gupta, Rajmal Jain, Jayshree Trivedi, A. P. Mishra. Microflares as possible sources for coronal heating. Journal of Astrophysics and Astronomy. 29(1):1-10, 2014, @2014
2365. Π. Πασχάλης (2014) Έλεγχος ποιότητας δεδομένων υψηλής ανάλυσης των Μετρητών Νετρονίων και ανάπτυξη τεχνικών προσομοίωσης, pp. 1-10, pergamos.lib.uoa.gr, @2014 [Линк](#)

2366. Mavromichalaki, H. et al. (2015) Recent Research applications at the Athens Neutron Monitor Station, Journal of Physics: Conference Series, 632 (1): 012071, DOI:10.1088/1742-6596/632/1/012071, Publishing, LicenseCC BY 3.0, @2015
 2367. N.R. Musabekov, D.T. Kasymova, A.K. Muslimova, A.O. Utegenova, I.T. Utebergenov (2015) Integrated Approach for Implementing the Virtual Information Infrastructure system, The BULLETIN of KAZNU, № 3 (86), pp. 161-166., @2015
 2368. Ж.Ш. Жантаев, Б.Т. Жумабаев, О.Н. Крякунова, Н.Ф. Николаевский, А.М. Малимбаев (2015) Организация Центра Сбора Экспериментальных Геофизических Исследований Ближнего Космоса, СОВМЕСТНЫЙ ВЫПУСК по материалам международной научной конференции "Вычислительные и информационные технологии в образовании" (CITech-2015) (24-27 сентября 2015 года), ВЫЧИСЛИТЕЛЬНЫЕ ТЕХНОЛОГИИ, Том 20, Серия математика, механика и информатика, НОВОСИБИРСК, с. 242-264. researchgate.net, @2015
 2369. Mavromichalaki, H. et al. (2016) Facilities of Athens Neutron Monitor Station to Space Weather services, Journal arXiv preprint arXiv:1612.08343v1 [physics-space-physics], @2016 [Линк](#)
 2370. Mavromichalaki, H. et al. (2016) Facilities of Athens Neutron Monitor Station to Space Weather services, Proceedings of the XXV European Cosmic Ray Symposium, 09-04.3, pp. 1-4., @2016
 2371. Spiros Patsourakos, Manolis Georgoulis, Angelos Vourlidas, A. Nindos, Loukas Vlahos et al. (2016) The major geoeffective solar eruptions of 2012 March 7: Coronal Mass Ejections and Solar Wind, Astrophysical Journal 817:14., @2016
 2372. C. Haines, M. J. Owens, L. Barnard, M. Lockwood, A. Ruffenach (2019) The Variation of Geomagnetic Storm Duration with Intensity, Solar Physics 294 (11), DOI:10.1007/s11207-019-01500-0, LicenseCC BY 4.0, @2019 [Линк](#)
 2373. Zhanle Du (2020) Estimating the maximum of the smoothed highest 3-hourly aa index in 3 d by the preceding minimum for the solar cycle, Annales Geophysicae 33(12):1237-2020, @2020
 2374. Zhanle Du (2020) Predicting the maximum aa / Ap index through its relationship with the preceding minimum, Annales Geophysicae, Discuss., <https://doi.org/10.5194/angeo-2020-100>
 2375. Daniele Telloni, Raffaella D'Amicis, Roberto Bruno, Komal Choraghe (2021) Alfvénicity-related Long Recovery Phases of Geomagnetic Storms: A Space Weather Perspective, Space Weather 19(2):64, DOI: 10.3847/1538-4357/ac071f, @2021
 2376. Safinaz A. Khaled, Luc Dame, Amira Shimeis, Shahinaz Yousef, M. A. Semeida et al. (2023) Statistical study of confined filament/prominence eruptions during solar cycle 25, Solar Wind, 1384-1392. DOI:10.7546/CRABS.2023.09.09, @2023 [Линк](#)
 2377. Z. L. Du (2023) The solar cycle: predicting the maximum amplitude of the smoothed highest 3-hourly aa index in 3 d for cycle 25 based on a similar-cycle method, Solar Wind, DOI:10.1007/s10509-023-04167-5, @2023 [Линк](#)
342. Velinov P. I. Y., Asenovski, S., Mateev L.. (2013) Ionization of Solar Cosmic Rays in Ionosphere and Middle Atmosphere Simulated by CORIMIA Programme. C. R. Acad. Sci. Paris, Ser. B 343:198-203, IF:0.198
- Цитируется:
2378. Getzov P., Mardirossian G., Stoyanov S. (2014) Satellite spectrophotometer for research of the atmospheric ozone, Comptes Rendus de L'Academie Bulgare des Sciences, 67 (3), pp. 403-410., @2014
 2379. Getzov P., Mardirossian G., Stoyanov S., Zhekov Z. (2014) Spectrophotometer of the type polychromator for atmospheric monitoring, Comptes Rendus de L'Academie Bulgare des Sciences, 67 (9), pp. 1071-1076., @2014
 2380. Varonov A., Shopov Y. (2014) On the influence of total solar irradiance on global land temperature, Comptes Rendus de L'Academie Bulgare des Sciences, 67 (9), pp. 1077-1082., @2014
 2381. Varonov, A., Shopov, Y.Y. (2016) Correlation between total solar irradiance and global land temperatures for the last 120 years, AIP Conference Proceedings, 1734, 020001, <http://dx.doi.org/10.1063/1.4942576>, @2016
343. Abunina M., Abunin A., Belov A., Gaidash S., Tassev Y., Velinov P. I. Y., Mateev L., Tonev P.. (2013) Geoeffectivity of Solar Coronal Holes with Different Magnetic Field Configurations, Solar Wind, 1377, SSTR BAS, 2013, ISSN:2367-95222 (on line) & 1313-0927 (print)
- Цитируется:
2382. Kryakunova, O. (2015) On the influence of the coronal hole latitude and polarity on the geomagnetic activity and cosmic ray variations. Proceedings of Science (PoS) AIP Conference Proceedings, 1734, 020002, @2015
 2383. A. A. Melkumyan et al. (2018) Main Properties of Forbush Effects Related to High-Speed Streams from Coronal Holes, Geomagnetism and Aeronomy, 2018, Vol. 58(1), pp. 1-15. @2018
 2384. Yumi Nakagawa, Satoshi Nozawa, Atsuki Shinbori (2019) Relationship between the low-latitude coronal hole area, solar wind velocity, and geomagnetic activity during solar cycle 25, Space Weather, Volume 17, Article number: 24, pp. 1-15. <https://doi.org/10.1186/s40623-019-1005-y>, @2019
344. Velinov, P. I. Y., Asenovski, S., Mateev, L.. (2013) Numerical calculation of cosmic ray ionization rate profiles in the middle atmosphere and lower ionosphere with relation to the solar cycle (paper). Acta Geophysica, Vol. 61, 2, VERSITA, Solipska 14A-1, 02-482 Warsaw, Poland, 2013, ISSN:1895-6572, DOI:10.2478/s11600-012-0084-y, pp. 494-509.. ISI IF:1.6
- Цитируется:
2385. K. Kudela. On Cosmic Rays and Space Weather in the Vicinity of Earth. In: Ed. by Jorge A. Perez-Peraza. Homage to the Discovery of Cosmic Rays, the Meson-Muon Era, Nova Science Publishers, 2013, pp. 177-200., @2013
 2386. Tsagouri, I., Belelaki, A., Bergeot, N., Cid, C., Delouille, V., Egorova, T., Jakowski, N., Kutiev, I., Mikhailov, A., Núñez, M., Pietrella, M., 2013. Progress in space weather research. Journal of Space Weather and Space Climate, 3, A17., @2013
 2387. V. Žigman, K. Kudela, D. Grubor, Response of the Earth's lower ionosphere to the Ground Level Enhancement event of December 13, 2006, Advances in Space Research, 56(6), pp. 763-775., @2014 [Линк](#)
 2388. Y. Tassev, N. Kilifarska, D. Tomova, Statistical analysis of solar proton flux influence on thermodynamics of middle atmosphere in the North hemisphere, Comptes Rendus de L'Academie Bulgare des Sciences, Vol 67, No1, pp.95-100., @2014 [Линк](#)

2389. N.A. Kilifarska, Bi-decadal solar influence on climate, mediated by near tropopause ozone, Journal of Atmospheric and Solar-Terrestrial Physics, Volume 230., @2015 [Линк](#)
 2390. Н. Килифарска, В. Бахмутов, Г. Мельник (2016) Связь изменений климата с геомагнитным полем. 3. Северное и Южное полушария, Геофиз. ж., № 3, Т. 38
 2391. N.A. Kilifarska, V.G. Bakhmutov, G.V. Melnik (2017) Relationship of climate changes with the magnetic field. 3. Northern and Southern hemisphere, Geophysical Journal International, 189(1):1-12, DOI: 10.1093/gji/ggw283, Project: Geomagnetic field and climate variations, @2017
 2392. Natalya Andreeva Kilifarska, V.G. Bakhmutov, G. V. Melnyk (2017) Geomagnetic field and climate variations, Research project, https://www.researchgate.net/publication/318111111_Geomagnetic_field_and_climate_variations, @2017
 2393. Natalya Andreeva Kilifarska, Vladimir Bakhmutov, G. V. Melnyk G. V. (2017) Relationship of climate changes with geomagnetic field. P. 3. Northern and Southern Hemisphere, Geophysical Journal International, 189(1):1-12, DOI: 10.1093/gji/ggw283, Project: Geomagnetic field and climate variations, @2017
 2394. Ankit Gohel, Rajnikant Makwana (2022) Multi-layered shielding materials for high energy space radiation, Radiation Physics and Chemistry, DOI: 10.1016/j.radphyschem.2022.109779, @2022
 2395. L. Xaplanteris, M. Gerontidou, H. Mavromichalaki, L. Dorman (2022) First Application of a Theoretically Derived Coupling Function in Cosmic-Ray Intensity for the Geomagnetic Level Enhancement (GLE 72), Solar Physics 297(6), Springer, DOI: 10.1007/s11207-022-02009-1, @2022
345. **Velinov P. I. Y., Asenovski S.,** Kudela K., Lastovicka J., **Mateev L.,** Mishev A., **Tonev P..** (2013) Impact of cosmic rays and solar energetic particles on the Earth's ionosphere, Journal of Space Weather and Space Climate, Vol. 3, A14, 2013, ISSN:2115-7251, DOI:<http://dx.doi.org/10.1051/swsc/2013036>, pp. 1-17.. ISI IF:3.14
- Литература по теме:
2396. A. Belehaki, M. Messerotti, M. Candidi, Developing space weather products and services in Europe - Preface to the special issue on COST Action ES0803, J. Space Weather and Space Climate, 10.1051/swsc/2014032, @2014 [Линк](#)
 2397. A. Mishev (2014) Computation of radiation environment during ground level enhancements 65, 69 and 70 at equatorial region and flight altitudes, Advances in Space Research, 53(10):1010-1018, DOI: 10.1016/j.asr.2013.10.010, @2014 [Линк](#)
 2398. J. Liliensten, A. J. Coates, V. Dehant, T. Dudok de Wit, R.B. Horne, F. Leblanc, J. Luhmann, E. Woodfield, M. Barthélemy, What characterizes planetary space weather events? J. Space Weather and Space Climate, 10.1051/swsc/2014032, pp. 1-39. doi:10.1007/s00159-014-0079-6, IF = 14.628, @2014 [Линк](#)
 2399. Jan Balaz, P. Bobik, K. Kudela (2014) Experiments for Measurements in Space (2012-2013), In book: Space Research in Slovakia 2012 - 2013, Edition: 2012-2014, COSPAR in Slovak Republic, Slovak Academy of Sciences, Institute of Experimental Physics, Editors: K. Kudela, J. Feranec, Lab: Jan Balaz's Lab, @2014
 2400. Jan Kaňák, D. Kotlířková, L. Okon, Ladislav Méri, Marian Jurašek (2014) SPACE METEOROLOGY, In book: SPACE RESEARCH IN SLOVAKIA 2012 - 2013 SLOVAK NATIONAL COMMITTEE, Chapter: 5, Publisher: Copy Center Košice, May 2014, Editors: Karel Kudela, Ján Feranec, Project: COSPAR, @2014
 2401. Y. Tassev, N. Kilifarska, D. Tomova, Statistical analysis of solar proton flux influence on thermodynamics of middle atmosphere in the north hemisphere, Comptes rendus de l'Académie des sciences de Paris, Vol 67, No1, pp.95-100., @2014
 2402. I.A. Mironova, K.L. Aplin, F. Arnold, G.A. Bazilevskaya, R.G. Harrison, A.A. Krivolutsky, K.A. Nicoll, E.V. Rozanov, E. Turunen, I.G. Usoskin, Energetic Particle Influence on the Ionosphere, Space Science Reviews, November 2015, Volume 194, Issue 1-4, pp 1-96., @2015 [Линк](#)
 2403. N.A. Kilifarska, Bi-decadal solar influence on climate, mediated by near tropopause ozone, Journal of Atmospheric and Solar-Terrestrial Physics, Volume 230., @2015 [Линк](#)
 2404. A. J. Halford, S. L. McGregor, M. K. Hudson, R. M. Millan, B. T. Kress, BARREL observations of a solar energetic electron and solar energetic proton event, Journal of Geophysical Research, 121 (5), pp. 4205-4216., @2016
 2405. A. Mishev, I. G. Usoskin (2016) Analysis of the Ground-Level Enhancements on 14 July 2000 and 13 December 2006 Using Neutron Monitor Data, Solar Physics 291(1):1-12, DOI: 10.1007/s11207-016-0877-2, @2016 [Линк](#)
 2406. Artamonov, A.A. et al. (2016) Atmospheric ionization induced by precipitating electrons: Comparison of CRAC:EPIL model with parametrization model, Journal of Atmospheric and Solar-Terrestrial Physics, 149, DOI: 10.1016/j.jastp.2016.04.020, @2016
 2407. Artamonov, A.A. et al. (2016) Model CRAC:EPIL for atmospheric ionization due to precipitating electrons: Yield function and applications, Journal of Geophysical Research, 121, 1743., @2016
 2408. C. Plainaki, P. Paschalidis, D. Grassi, H. Mavromichalaki, M. Andriopoulou, Solar energetic particle interactions with the Venusian atmosphere, Ann. Geophys., 34, pp. 1-12, 2016., @2016 [Линк](#)
 2409. Duhau S., Cornelis de Jager, On the Origin of the Dansgaard-Oeschger Events and Its Time Variability, Marine Isotope Stage 3 in Southern South America, 60 KA B. Earth System Sciences, pp 23-47, DOI 10.1007/978-3-319-40000-6_3, , @2016 [Линк](#)
 2410. Umahi A.E. (2016) Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, World Applied Sciences Journal 34 (3): 312-317. ISSN 1818-4952, DOI: 10.5829/10.5829/idosi.ajeas.2016.16.5.10441., @2016
 2411. Umahi A.E. (2016) Influence of Galactic and Solar Cosmic Rays on Ionization in the Atmosphere, IOSR Journal of Applied Physics (IOSR-JAP), 8 (4) Ver. II (Jul. - Dec. 2016), pp. 32-37, www.iosrjournals.org, @2016
 2412. Umahi, A. E. (2016) Variability of Galactic Cosmic rays Flux and Solar Activities in the Earth's Atmospheric Environment, American-Eurasian J. Agric. & Environ. Sci., 16 (5), 868-873, DOI: 10.5829/idosi.ajeas.2016.16.5.10441., @2016
 2413. Umahi, A. E. (2016) Impact of Space Radiation in the Earth's Atmosphere, American-Eurasian J. Agric. & Environ. Sci., 16 (5), 868-873, DOI: 10.5829/idosi.ajeas.2016.16.5.10441., @2016
 2414. Umahi, A. E., (2016) Solar Modulation on Galactic Cosmic Rays in the Earth's Atmosphere, IOSR Journal of Applied Physics (IOSR-JAP) e-ISSN: 2278-4861, Volume 8 (4) Ver. II (Jul. - Dec. 2016), pp. 32-37, www.iosrjournals.org, @2016
 2415. Umahi, E.A., Okpara, P.A., Oboma, D.N., Udeaja, V.N., Anih, J.O., Onyia, A.I., Adieme, G.I., Nnachi N.O., Agha, S.O., Onah, D.U., Agbo, P.E., Anyigor, I. S., Ekpe, E. (2016) Cosmic Rays in the Atmosphere, IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), e-ISSN: 2319-2402, p- ISSN: 2319-2399, pp. 80-84, www.iosrjournals.org, @2016
 2416. Н. Килифарска, В. Бахмутов, Г. Мельник (2016) Связь изменений климата с геомагнитным полем. 3. Северное и Южное полушария, Геофиз. ж., № 3, Т. 38

2417. Babayev, G., Akhmedova, E., & Kadirov, F. (2017) Analysis of stress-strain state of Caucasus region (Azerbaijan) on the basis of maximum horizontal stress velocity technique. *Geofizicheskiy Zhurnal*, 39(3), 26–39. <https://doi.org/10.24028/gzh.0203-3100.v39i3.2017.104026>, @2017 [Линк](#)
2418. Grandin, M. (2017) Multi-instrument and modelling studies of ionospheres at Earth and Mars, Ph.D. Thesis, Report series in physical sciences 113, University of Oulu, 952-62-1614-0., @2017
2419. Irina Mironova, I. G. Usoskin, E. Rozanov, Alexey A. Krivolutsky, Galina Bazilevskaya, Keri A. Nicoll (2017) Energetic Particle Influence on the Earth's Atmosphere, <https://www.researchgate.net/project/Energetic-Particle-Influence-on-the-Earths-Atmosphere>, @2017
2420. Jin W., Zhang X.-X., Song Y., He F., Li L.-G., Yu C., Lü J.-T., Xiao Z.-N., Progress of research on the effect of geomagnetic activity on climatic elements, *Chinese Science Bulletin (Sinica)* Volume 60, Issue 4, 1 April 2017, pages 1276-1283. doi: 10.6038/cjg20170404, @2017
2421. Kilifarska N. (2017) Mechanism for connection between the cosmic rays, geomagnetic field and Earth's climate, Dissertation for obtaining scientific degree "Doctor of Science", Bulgarian Academy of Sciences, Sofia 2017, 142 p. Килицарска Н. (2017) Механизъм за връзка между космическите лъчи, геомагнитното поле и климата на Земята, научната степен „доктор на физическите науки“, Н И Г Г Г при БАН, София 2017, 142 стр., @2017
2422. L.V. Raychenko, G.V. Melnik (2017) Cosmic sources of the Earth's atmosphere ionization (review), *Geofizicheskiy Zhurnal (Geophysical Journal)* 39(3):40-63. DOI: 10.24028/gzh.0203-3100.v39i3.2017.104031, @2017
2423. Liu L. W. Y., Zhang Q., Chen Y., Harvesting Atmospheric Ions Using Surface Electromagnetic Wave Technologies, *Advances in Technology Innovation*, vol.2, no. 4, 2017, 1-10, DOI: 10.1016/j.asr.2018.03.006, @2018
2424. N.A. Kilifarska, V.G. Bakhmutov, G.V. Melnik (2017) Relationship of climate changes with the magnetic field. 3. Northern and Southern hemisphere, *Geofizicheskiy Zhurnal*, 71(1), DOI: <https://doi.org/10.24028/gzh.0203-3100.v38i3.2016.107779>, @2017
2425. Natalya Andreeva Kilifarska, V.G. Bakhmutov, G. V. Melnyk (2017) Geomagnetic field and climate variations, Research project, <https://www.researchgate.net/publication/317111111-Geomagnetic-field-and-climate-variations>, @2017
2426. Килицарска Н. (2017) Механизъм за връзка между космическите лъчи, геомагнитното поле и климата на Земята, Автореферат на Дисертация за получаване на научната степен „доктор на физическите науки“, Н И Г Г Г при БАН, София 2017, 38 стр., @2017
2427. 金巍, 张效信, 宋燕, 何飞, 李丽光, 于超, ... & 肖子牛. (2017). 地磁活动对气候要素影响的研究进展. *地球物理学报*, 60(4), 1276-1283., @2017
2428. Geeta Vichare, Ankush Bhaskar, Gauri Datar, Anil Narayan Raghav, K.U. Nair, C. Selvaraj, M. Ananthi, A.K. Sinha, Mandar Paranjape, Tejaswini Gawade, C. P. A. Kumar, Subramanian Gurubaran (2018) Equatorial Secondary Cosmic Ray Observatory to study space weather and terrestrial events, *Advances in Space Research*, 64 (12), 2490-2508. DOI: 10.1016/j.asr.2018.03.006, @2018
2429. Lara Hocurscak (2018) Health risks of cosmic rays, MSc Thesis, University of Ljubljana, Faculty of Mathematics and Physics, Adviser: Prof. Matej Lipoglavsek, http://lji.si/seminar/files/2017_2018/Health_risks_of_cosmic_rays.pdf, @2018
2430. Mishev A., Sasu Tuohino, I. G. Usoskin (2018) Neutron monitor count rate increase as a proxy for dose rate assessment at aviation altitudes during GLEs, *Journal of Space Weather and Space Climate*, 8(1):A46, EDP Sciences, DOI: 10.1051/swsc/2018032, LicenseCC BY 4.0, @2018 [Линк](#)
2431. Sourav Palit, Jean-Pierre Raulin, Emilia Correia (2018) Lower Ionospheric Plasma-Chemical Evolution and VLF Signal Modulation by a Series of SGR X-Ray Bursts: A Chemistry Model, *Journal of Geophysical Research: Space Physics*, 08 September 2018, 123(9), pp. 7930-7942, <https://doi.org/10.1029/2018JA025773>, @2018
2432. Kilifarska N. (2019) Coupling link between cosmic rays, geomagnetic field and climate, Thesis for: doctor of science (DSc.), NIGGG - BAS, Sofia, DOI: 10.13140/RG.2.2.2019.09.038, Published by Elsevier Ltd on behalf of COSPAR., @2019
2433. Lev Dorman, Lev Pustil'nik, Uri Dai, Mark Idler, Fatima Keshova, Elizabeth Petrov (2019) Is it Possible to Organize Automatic Forecasting of Expected Radiation Hazard Events for Spacecraft in the Heliosphere and Magnetosphere and for Aircraft in the Low Atmosphere? *Advances in Space Research*, 64 (12), 2490-2508. <https://doi.org/10.1016/j.asr.2019.09.038>, Published by Elsevier Ltd on behalf of COSPAR., @2019
2434. Tacza Anaya José Carlos (2019) Análise da variabilidade do campo elétrico atmosférico durante tempo bom e distúrbios geofísicos, PhD Thesis, Universidade Presbiteriana Mackenzie, São Paulo, 160 p., pdf, Biblioteca Digital de Teses e Dissertações, <http://tede.mackenzie.br/jspui/handle/tede/3835>, @2019
2435. TACZA ANAYA, José Carlos (2019) Análise da variabilidade do campo elétrico atmosférico durante tempo bom e distúrbios geofísicos. 159 f. Tese (Ciências e Engenharias), Universidade Presbiteriana Mackenzie, São Paulo. URL <http://dspace.mackenzie.br/handle/10899/25800>, @2019 [Линк](#)
2436. Tacza J., J.-P. Raulin, R. M. Mendonça, V. S. Makhmutov, A. Marun, G. Fernández (2019) Solar Effects on the Atmospheric Electric Field During 2010–2015 and 2017–2018, *Journal of Space Weather and Space Climate*, 9(1), pp. 11, 970-11, 979, DOI:10.1029/2018JD029121, @2019
2437. Tezari, A.; Paschalis, P.; Mavromichalaki, H.; Karaiskos, P.; Crosby, N.; Dierckx, M. (2019). DYASTIMA: Simulating Air Showers in the Atmosphere of a Planet. In: *Advances in Space Research* (IAC), Washington D.C., United States, 21-25 October 2019, Paper ID 51136, uri: <https://orfeo.belnet.be/handle/internal/7530>, @2019 [Линк](#)
2438. Bandholnopparat Kittanapat (2020) Studies on Lightning IC/CG Ratio and Effects of Lightning and Rainfall Currents on Global Electric Circuit, Doctoral Dissertation (PhD), School of Science, Hokkaido University, Department of Cosmo Sciences, DOI: 10.14943/doctoral.k13909, Doc URL: <http://hdl.handle.net/2115/78447>, @2020
2439. Kilifarska, N.A., Bakhmutov, V.G., Melnyk, G.V. (2020) The Hidden Link Between Earth's Magnetic Field and Climate, Elsevier, Amsterdam - Oxford - Cambridge, MA, 819346-4, 230 p.; Chapter 5. Galactic cosmic rays and solar particles in Earth's atmosphere, pp. 101-131., @2020
2440. Tezari, Anastasia. Paschalis, Pavlos. Mavromichalaki, Helen. Karaiskos, Pantelis. Crosby, Norma. Dierckx, Mark (2020) Assessing Radiation Exposure in Space, *Advances in Space Research* 190(4), 427–436. DOI: 10.1093/rpd/naaa112, @2020 [Линк](#)
2441. Chanthavane, Spence Lim. "Space Radiation Interactions in Earth's Atmosphere, Low Earth Orbit, and Deep Space." (2021) Master's Thesis, 72 p., SPACE RADIATION INTERACTIONS IN EARTH'S ATMOSPHERE, LOW EARTH ORBIT, AND DEEP SPACE, Rice University, HOUSTON, TEXAS, @2021 [Линк](#)
2442. Francesco Grieco (2022) The impact of mesospheric dynamics and chemistry on key chemical species: 20 years of Odin/SMR satellite observations, Thesis for the degree of Doctor of Science, Department of Space, Earth and Environment, Chalmers University of Technology, SE-412 96 Göteborg, Sweden, ISBN 978-91-7905-755-8, @2022 [Линк](#)
2443. Luigina Cappellotto (2022) Estudio geológico y geofísico de registros sedimentarios pampeanos asignados al Cenozoico tardío. Análisis paleoambiental y paleogeográfico, título de Doctor de la Universidad de Buenos Aires en el área de Ciencias Geológicas, 281 p., Instituto de Geociencias Básicas Aplicadas y Ambientales (IGeBA), Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires., @2022 [Линк](#)
2444. Rafik Sedrati, Dallel Bouchachi (2022) Calculation of the atmospheric cosmic ray flux and dosimetry with EXPACS code, *Journal of Korean Physical Society*, DOI: 10.1007/s12646-022-02200-0, @2022

2445. Sotirios A. Mallios, Athanasios Papaioannou, Konstantin Herbst (2022) Study of the Ground Level Enhancements effect on atmospheric electric properties and m Atmospheric and Solar-Terrestrial Physics, DOI: 10.1016/j.jastp.2022.105871, @2022 [Линк](#)
2446. Susanna Pätsi (2022) Ionization effect in the Earth's atmosphere due to cosmic rays during the GLE # 71 on 17 May 2012, Advances in Space Research, <https://doi.org/10.22323/1.423.0054>, @2023
2447. D. K. Tripathi, S. Karan, S. Nandi (2023) A critical review on attenuation of radio waves due to variation in electron density of ionosphere, World Scientific News 182, @2023
2448. Krastev K. (2023) Study of radiation conditions along the route and in orbit around Mars based on data from the Lyulin-MO instrument on board the ExoMars Trace Gas Orbiter, Institute for Space Research and Technology, Bulgarian Academy of Sciences, 45 p., @2023
2449. Krastev K. (2023) Study of radiation conditions along the route and in orbit around Mars based on data from the Lyulin-MO instrument on board the ExoMars Trace Gas Orbiter, Institute for Space Research and Technology, Bulgarian Academy of Sciences, 141 p., @2023
2450. Krastev K., J. Semkova, R. Koleva (2023) Numerical Simulation of Liulin-MO Instrument for Measuring Cosmic Radiation Onboard ExoMars Trace Gas Orbiter, 1706., @2023
2451. Larsen N. (2023) Altitude profile of atmospheric radiation in the Arctic region obtained during a scientific balloon flight with MDU-1 Liulin, Proceedings of the 27th European Cosmic Ray Symposium, <https://doi.org/10.22323/1.423.0054>, @2023
2452. Mishev A. (2023) Physics and effects of relativistic SEPs/GLEs, Proc. Sci. (PoS,) Volume 423 - 27th European Cosmic Ray Symposium, <https://doi.org/10.22323/1.423.0016>, @2023 [Линк](#)
2453. Mishev A. (2023) Cosmic ray spectra and intensity in middle atmosphere (CORSIMA) model. Use and application for galactic cosmic rays, Conference: 27th European Cosmic Ray Symposium, <https://doi.org/10.22323/1.423.0052>, @2023 [Линк](#)
2454. Rolf Werner, Veneta Guineva, Irina Despirak, Andris Lyubchich*, Rumiana Bojilova, Lyubomira Raykova, Atanas Atanassov, Dimitar Valev (2023) Statistical Study of Auroral and High Latitudes, Comptes rendus de l'Académie bulgare des sciences: sciences, 76(4):571-579, DOI: 10.7546/CRABS.2023.04.09, @2023 [Линк](#)
2455. Sura I. Gburi, Najat M. R. AL-Ubaidi (2023) Effect of solar proton events on the electron density of the ionosphere for different altitudes, Conference: 2ND INTERNATIONAL CONFERENCE ON SPACE RESEARCH AND ENGINEERING (ICARAE2022), DOI: 10.1063/5.0167912, @2023 [Линк](#)
2456. Chun-yan Zhang, Lin Zhao, Haotian Zhang (2024) Analysis of Temporal-Spatial Variation Characteristics of Ionosphere over China Region in the Past 15 Years Using GPS Data, Science, 2024 - ch.whu.edu.cn, @2024 [Линк](#)
2457. Ilya Usoskin (2024) Updated model of cosmic-ray-induced ionization in the atmosphere (CRAC:CRIL_v3), Journal of Space Weather and Space Climate, DOI: 10.1051/hsr/2024001, @2024
2458. 利用 COSMIC-1/2 IonPrf 产品分析中国区域 近 15 年电离层时空变化特征. 陆浩楠 · 叶世榕, 张庆兰 · 夏朋飞... - Information Science, 2024 - sea.ict.ac.cn, @2024
- 中国区域的COSMIC-1/2 (constellation observing system for meteorology ionosphere and climate-1/2) IonPrf 产品数据, 分析了中国区域电离层时空变化特征
346. Asenovski, S., Velinov, P. I. Y., Mateev, L.. (2013) Determination of the spectra and ionization of anomalous cosmic rays in polar atmosphere. C. R. Acad. Bulg. Sci., 66 (6) 1268., @2014
SJR (Scopus):0.2, JCR-IF (Web of Science):0.198
- Лумуна се е:
2459. A Varonov, Y Shopov, ON THE INFLUENCE OF TOTAL SOLAR IRRADIANCE ON GLOBAL LAND TEMPERATURE, Comptes rendus de l'Académie bulgare des sciences: sciences, 76(4):571-579, DOI: 10.7546/CRABS.2023.04.09, @2023
2460. Getzov, P., Mardirossian, G., Stoyanov, S., Satellite spectrophotometer for research of the atmospheric ozone, COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES, 76(4):571-579, DOI: 10.7546/CRABS.2023.04.09, @2014 [Линк](#)
2461. Getzov, P., Mardirossian, G., Stoyanov, S., Zhekov, Z., Spectrophotometer of the type polychromator for atmospheric monitoring, COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES, 76(4):571-579, DOI: 10.7546/CRABS.2023.04.09, @2014 [Линк](#)
2462. A. Varonov, Y. Y. Shopov, Correlation between total solar irradiance and global land temperatures for the last 120 years, AIP Conf. Proc. 1714, 040002 (2016); <https://doi.org/10.1063/1.4968881>, @2016
-
- 2014**
-
347. Abunina M., Abunin A., Belov A., Gaidash A., Tassev Y., Velinov P. I. Y., Mateev L., Tonev P.. (2014) Properties of magnetic fields in coronal holes and geoeffective discharges, C. R. Acad. Bulg. Sci., 67 (5), 2014, ISSN:1310–1331, 699-704. SJR (Scopus):0.21, JCR-IF (Web of Science):0.284
- Лумуна се е:
2463. H Mavromichalaki, M Gerontidou, P Paschalis, A Papaioannou, E Paouris, M Papailiou and G Souvatzoglou (2015) Recent Research applications at the Athens Neutron Monitor Station, Conference Series, 24th European Cosmic Ray Symposium (ECRS) 1–5 September 2014, Kiel, Germany, Volume 632, 012071, pp. 1-8., @2015
2464. Mohamed Semeida, Besheir Marzouk, Penka Stoeva, Alexey Stoev (2016) Physical Models for Ca II IR Triplet Lines in Solar Photosphere and Faculae in Non-Local Thermodynamic Equilibrium, Comptes rendus de l'Académie bulgare des Sciences, Vol 69, No8, pp.1047-1056., @2016
2465. A.-A. Abseim, M. Semeida, M. Saleh, S. Youssef, P. Stoeva, A. Stoev (2017) Modified Cloud Method Validation by Determination of Physical Parameters of the Solar Wind, Comptes rendus de l'Académie bulgare des Sciences, Vol 70, No6, pp.839-848., @2017
2466. H. Mavromichalaki, M. Gerontidou, P. Paschalis, E. Paouris (2017) Facilities of Athens Neutron Monitor Station to Space Weather services, Space Physics, arXiv:1608.08001, @2017
2467. Melkumyan A. A. et al. (2018) Main Properties of Forbush Effects Related to High-Speed Streams from Coronal Holes, Geomagnetism and Ionosphere, 18(2), 1100-1109., @2018
2468. Melkumyan A. A. et al. (2019) Comparison between statistical properties of Forbush decreases caused by solar wind disturbances from coronal mass ejections and coronal holes, Geomagnetism and Ionosphere, 19(2), 1100-1109., @2019

2469. Santi Sulistiani, Dhani Herdiwijaya (2019) Solar coronal holes and their geo-effectiveness, Journal of Physics: Conf. Series 1127 (2019) 012052 IOP Publishing Mathematics and Natural Sciences. doi:10.1088/1742-6596/1127/1/012052, @2019
2470. Muhamad Khamdani, Dhani Herdiwijaya (2020) Koneksi Matahari-Bumi 25 -26 Agustus 2018: CME, MC, dan Badai Geomagnetik, Sunan Kalijaga Journal of Physics, @2020
2471. Safinaz A. Khaled, Luc Damé, Mohamed A. Semeida, Magdy Y. Amin, Ahmed Ghitas, Shahinaz Yousef et al. (2020) Variations of the Hydrogen Lyman Alpha Line through 2 and SORCE/SOLSTICE Data, Comptes rendus de l'Académie bulgare des Sciences, Vol 73, No9, pp.1260-1269., @2020
2472. Werner R., V. Guineva (2020) Forecasting sunspot numbers for solar cycle25 using autoregressive models for both hemispheres of the Sun, C. R. Acad. Bulg. Sci., @2020
2473. Asenovski S. (2021) Investigation of the different periods characterising solar magnetic field reversals, C. R. Acad. Bulg. Sci., 74 (6), JCR-IF (Web of Science):0.343, @2021
2474. Anwar Santoso, Laode Muhammad Musafar, K.Fitri Nuraeni (2022) Development of Coronal Holes Index For Study of Coronal Hole Geo-Effectiveness, Journal of Physics: Conference Series, DOI: 10.1088/1742-6596/2214/1/012025, @2022
2475. Safinaz A. Khaled, Luc Dame. , Amira Shimeis, Shahinaz Yousef, M. A. Semeida et al. (2023) Statistical study of confined filament/prominence eruptions during solar cycle 25, Solar Wind, 1384-1392. DOI:10.7546/CRABS.2023.09.09, @2023 [Линк](#)
2476. Umar, R., Dagang, A.N., Roslan, N.S.I. et al. (2023) Response of the geomagnetic horizontal component during solar events at RANAU station. Indian J. Phys., https://doi.org/10.1007/s12648-023-02988-8, @2023 [Линк](#)
348. Mishev A., **Velinov P. I. Y.** (2014) Hadron Generator and Atmospheric Seasonal Variation Influence on Cosmic Ray Ionization Computed by CORSIKA Code. Journal: Astrophysical Journal, arXiv:1409.7522 (Earth and Planetary Astrophysics / High Energy Astrophysical Phenomena), Los Alamos National Laboratory (LANL), NM; Cornell University Library, Ithaca, NY, @2014
Лумура се е:
2477. Pulawski, S. (2015). Identification and analysis of charged hadrons in p+ p interactions from NA61/SHINE experiment at CERN SPS energies (Doctoral dissertation), 380, @2015
349. Mishev A., **Velinov P. I. Y.** (2014) Influence of Hadron and Atmospheric Models on Computation of Cosmic Ray Ionization in the Atmosphere - Extension to Heavy Nuclei. J. Geophys. Res. Space Physics, DOI:10.1016/j.jastp.2014.09.007, 111-120. ISI IF:1.479
Лумура се е:
2478. Aiensa-ad, N., Ruffolo, D., Sáiz, A., Mangeard, P.S., Nutaro, T., Nuntiyakul, W., Kamyar, N., Khumlumert, T., Krüger, H., Moraal, H. and Bieber, J.W., 2015. Measurement of the neutron monitor count rate dependence on surrounding structure. Journal of Geophysical Research: Space Physics, 120(7), pp.5253-5265. DOI: 10.1002/2015JA021249, pp. 1-14. (4 citations), @2015
2479. J. Semkova, T. Dachev, St. Maltchev, B. Tomov, Yu. Matviichuk, P. Dimitrov, R. Koleva, I. Mitrofanov, A. Malakhov, M. Mokrousov, A. Sanin, M. Litvak, A. Kozyrev, V. Vostrukhin, F. Fedosov, N. Grebennikova, V. Benghin, V. Shurshakov. Radiation Environment Investigations During Exomars Missions to Mars - Objectives, Experimental Results, Bulg. Sci., 68, 2015, 4, 485-496. (4 citations), @2015
2480. N Aiensa-Ad, D Ruffolo, A Sáiz, P.-S Mangeard, P Evenson Measurement and simulation of neutron monitors count rate dependence on surrounding structure Conference Proceedings of the ICRC 2015, pp. 1-9. Proc. of Sci., PoS, <https://www.researchgate.net/publication/280084733>, @2015
2481. Pierre-Simon Mangeard, David Ruffolo, Alejandro Sáiz, Suttiwat M, Observations and Monte Carlo simulation of the Princess Sirindhorn Neutron Monitor at a vertical rig. Paper: Proc. 34th International Cosmic Ray Conference, 30 July- 6 August, 2015, The Hague, The Netherlands, Proceedings of Science, [http://inspirehep.net/record/1483300/files/PoS\(ICRC2015\)079.pdf](http://inspirehep.net/record/1483300/files/PoS(ICRC2015)079.pdf) , <https://www.researchgate.net/publication/280084296>, @2015
2482. Artamonov, A. A., et al. (2016) Atmospheric ionization induced by precipitating electrons: Comparison of CRAC: EPII model with a parametrization model. Journal of Atmospheric and Space Physics, 149, 161-166., @2016
2483. P.-S. Mangeard, D. Ruffolo, A. Sáiz, S. Madlee, T. Nutaro. Monte Carlo simulation of the neutron monitor yield function. ISSN: 0196-6928, Journal of Geophysical Research, 121, 7448, 2016. IF = 3.426, @2016
2484. Kilifarska N. (2017) Mechanism for connection between the cosmic rays, geomagnetic field and Earth's climate, Dissertation for obtaining scientific degree "Doctor of Science", Bulgarian Academy of Sciences, Sofia 2017, 142 p. Килифарска Н. (2017) Механизъм за връзка между космическите лъчи, геомагнитното поле и климата на Земята, докторска дисертация, научната степен „доктор на физическите науки“, НИИ ГГГ при БАН, София 2017, 142 стр., @2017
2485. Mitthumsiri, W., A. Seripienlert, U. Tortempun, P.-S. Mangeard, A. Sáiz, D. Ruffolo, and R. Macatangay (2017), Modeling polar region atmospheric ionization induced by cosmic rays, J. Geophys. Res. Space Physics, 122, 7946–7955, doi:10.1002/2017JA024125., @2017
2486. Kilifarska N. (2019) Latitudinal dependence of the stratospheric ozone and temperature response to solar particles' forcing on 20 January 2005, Aerospace Res. Bull., 10, 1-10, @2019
2487. Kilifarska, N.A., Bakhmutov, V.G., Melnyk, G.V. (2020) The Hidden Link Between Earth' Magnetic Field and Climate, Elsevier, Amsterdam - Oxford - Cambridge, MA, 819346-4, 230 p.; Chapter 5. Galactic cosmic rays and solar particles in Earth's atmosphere, pp. 101-131., @2020
2488. Sotirios A. Mallios, Athanasios Papaioannou, Konstantin Herbst (2022) Study of the Ground Level Enhancements effect on atmospheric electric properties and magnetic field, Atmospheric and Solar-Terrestrial Physics, DOI: 10.1016/j.jastp.2022.105871, @2022
2489. Susanna Pätsi (2022) Ionization effect in the Earth's atmosphere due to cosmic rays during the GLE # 71 on 17 May 2012, Advances in Space Research, <https://doi.org/10.1016/j.asr.2022.106021>, @2022
2490. A. Mishev (2023) Application of the global neutron monitor network for assessment of spectra and anisotropy and the related terrestrial effects of strong SEPs, Journal of Geophysical Research: Space Physics, <https://doi.org/10.1016/j.jastp.2023.106021>, @2023 [Линк](#)
350. Abunina M., Abunin A., Belov A., Gaidash S., **Tassev Y., Velinov P. I. Y., Mateev L., Tonev P.** (2014) Study of coronal hole properties and geomagnetic forecasts during the European Space Weather Week (ESWW11), 17-21nd November 2014, Liège, Belgium, Report P1.04, Session 1 - Solar activity as a driver for space weather and space weather forecasting, ESA Conference Bureau, The EC COST Office, 2014
Лумура се е:
2491. A.-A. Abseim, M. Semeida, M. Saleh, S. Youssef, P. Stoeva, A. Stoev (2017) Modified Cloud Method Validation by Determination of Physical Parameters of the Solar Wind, Comptes rendus de l'Académie bulgare des Sciences, Vol 70, No6, pp.839-848., @2017

351. Mishev A., **Velinov P. I. Y.**. (2015) Ionization rate profiles due to solar and galactic cosmic rays during GLE 59 Bastille day 14 July, 2000. C. R. Acad. Bulg. Sci., 68, 3, 2015

Цитирана се в:

2492. A.-A. Abseim, M. Semeida, M. Saleh, S. Youssef, P. Stoeva, A. Stoev (2017) Modified Cloud Method Validation by Determination of Physical Parameters of the Solar de l'Academie bulgare des Sciences, Vol 70, No6, pp.839-848., @2017
2493. Килифарска Н. (2017) Механизъм за връзка между космическите лъчи, геомагнитното поле и климата на Земята, Автореферат на Дисертация за полуживотни физическите науки, НИИ ГГГ при БАН, София 2017, 38 стр., @2017
2494. Kilifarska N. (2019) Coupling link between cosmic rays, geomagnetic field and climate, Absrt. Thesis for: doctor of science (DSc.), DOI: 10.13140/RG.2.2.35085.1840.

352. Mishev A., **Velinov P. I. Y.**. (2015) Time evolution of ionization effect due to cosmic rays in terrestrial atmosphere during GLE 70. J. Atmos. Solar-Terr. Phys., 129, 2015, 78

Цитирана се в:

2495. Anton Artamonov (2017) Atmospheric ionization induced by precipitating electrons, Project, University of Oulu, Finland, View project: https://www.researchgate.net/publication/3176151206/precipitating-electrons?_tab=references&_pubid=276151206, @2016
2496. Artamonov A. et al. (2016) Model CRAC:EPH for atmospheric ionization due to precipitating electrons: Yield function and applications, Journal of Geophysical Research, 121, 10.1002/2015JA022276, @2016
2497. Kilifarska N. (2017) Mechanism for connection between the cosmic rays, geomagnetic field and Earth's climate, Dissertation for obtaining scientific degree "Doctor of Science", Bulgarian Academy of Sciences, Sofia 2017, 142 p. Килифарска Н. (2017) Механизъм за връзка между космическите лъчи, геомагнитното поле и климата на Земята, научната степен "доктор на физическите науки", НИИ ГГГ при БАН, София 2017, 142 стр., @2017
2498. Килифарска Н. (2017) Механизъм за връзка между космическите лъчи, геомагнитното поле и климата на Земята, Автореферат на Дисертация за полуживотни физическите науки, НИИ ГГГ при БАН, София 2017, 38 стр., @2017
2499. Kilifarska, N.A., Bakhmutov, V.G., Melnyk, G.V. (2020) The Hidden Link Between Earth's Magnetic Field and Climate, Elsevier, Amsterdam - Oxford - Cambridge, MA, 819346-4, 230 p.; Chapter 5. Galactic cosmic rays and solar particles in Earth's atmosphere, pp. 101-131., @2020
2500. Q. Wu, H. Li, C. Wang (2020) Short-term Lightning Response to Ground Level Enhancements, Frontiers in Physics, 8:348. Doi: 10.3389/fphy.2020.00, @2020
2501. Susanna Pätsi (2022) Ionization effect in the Earth's atmosphere due to cosmic rays during the GLE # 71 on 17 May 2012, Advances in Space Research, <https://doi.org/10.1016/j.asr.2022.106021>
2502. Ilya Usoskin, Fusa Miyake, Mélanie Baroni et al. (2023) Extreme Solar Events: Setting up a Paradigm, Space Science Reviews 219(8):73, pp. 1-114, DOI: 10.1007/s11214-023-01000-0
2503. Mishev A. (2023) Application of the global neutron monitor network for assessment of spectra and anisotropy and the related terrestrial effects of strong SEPs, Journal of Space Weather and Space Physics, <https://doi.org/10.1016/j.jastp.2023.106021>, @2023 [Линк](#)

353. Mishev A., **Velinov P. I. Y.**. (2015) Determination of medium time scale ionization effects at various altitudes in the stratosphere and troposphere during ground level event 13.12.2006 (GLE 70). C. R. Acad. Bulg. Sci., 68, 11, 2015, 1427-1432. ISI IF:0.233

Цитирана се в:

2504. N. A. Kilifarska, V. G. Bakhmutov, G. V. Melnyk (2017) Galactic cosmic rays and tropical ozone asymmetries, Compt. rend. Acad. bulg. Sci., 70 (7), 1003-1010., @2017
2505. Usoskin, I. (2017) Updated model CRAC: HEPII of atmospheric ionization due to high energy protons. Proc. of Sci. - Proceedings of 35th International Cosmic Ray Conference, Bexco, Busan, Korea; 12-20 July. - pos.sissa.it, @2017
2506. Dorman, L. I. (2022). Global planetary ionization maps in Regener-Pfotzer cosmic ray maximum for GLE 66 during magnetic superstorm of 29–31 October 2003. Advances in Space Research, 129, 2601., @2022 [Линк](#)
2507. Akhmetov, O., Mingalev, I., Mingalev, O., Belakhovsky, V. B., Mauricev, E. A., Larchenko, A. V., & Balabin, Y. V. (2023). Influence of strong solar proton events on the ionospheric VLF range in a high-latitude region. Solar-Terrestrial Physics, 9(3), 30-42., @2023 [Линк](#)
2508. Ахметов, О. И., Мингалев, И. В., Мингалев, О. В., Маурчев, Е. А., Ларченко, А. В., Суворова, З. В., & Балабин, Ю. В. (2023). ВЛИЯНИЕ СИЛЬНЫХ СОЛНЕЧНЫХ ПРОТОННЫХ ПОТОКОВ НА ИОНОСФЕРУ В ОБЛАСТИ ВЫСОКИХ ШИРОТ INFLUENCE OF STRONG SOLAR PROTON EVENTS ON THE VLF RANGE IN A HIGH-LATITUDE REGION. Солнечно-земная физика, 9(3), @2023 [Линк](#)

354. **Tonev P., Velinov P. I. Y.**. (2016) Influence of solar activity on red sprites and on vertical coupling in the system stratosphere–mesosphere. J. Atmos. Solar-Terr. Phys., Vol. 148, 2016, 1-10. DOI:<http://dx.doi.org/10.1016/j.jastp.2015.11.018>, pp. 27-38. JCR-IF (Web of Science):1.63

Цитирана се в:

2509. Suman Paul, Syam Sundar De, D.K. Haldar, G. Guha (2017) Transmission of Electric Fields due to Distributed Cloud Charges in the Atmosphere-Ionosphere System, Journal of Space Weather and Space Physics, 9, 1891-1897. DOI: 10.1016/j.asr.2017.06.011, @2017

355. **Tonev P., Velinov P. I. Y.**. (2016) Vertical coupling between troposphere and lower ionosphere by electric currents and fields at equatorial latitudes. J. Atmos. Solar-Terr. Phys., Vol. 148, 2016, 1-10. DOI:<http://dx.doi.org/10.1016/j.jastp.2015.10.012>, pp. 39-47. JCR-IF (Web of Science):1.63

Цумура се е:

2510. Erdal Yiğit, Alexander S. Medvedev (2016) Gravity waves in the upper atmosphere. Research project, <https://www.researchgate.net/project/Gravity-waves-in-the-upper-atmosphere>, = 284012661, @2016 [Линк](#)
2511. Florian Mandija (2016) Postdoctoral scholarship at the University of Vigo in the frame of the Erasmus Mundus Green-Tech-WB 2016-2017 project., International Newsletter, 2016/01/14, @2016
2512. Petra Koucká Knižová, Katya Georgieva, William Ward, Erdal Yiğit (2016) Recent advances in the vertical coupling in the Atmosphere–Ionosphere System, Journal of Space and Atmospheric Physics, 136:125, DOI: 10.1016/j.jastp.2015.11.013, @2016
2513. Yiğit, E., P. Knižová, K. Georgieva, W. Ward, A review of vertical coupling in the Atmosphere–Ionosphere system: Effects of waves, sudden stratospheric warmings and solar activity, Atmos. Solar-Terr. Phys., vol. 141, 2016, pp. 1–12., @2016 [Линк](#)
2514. Ali Yesil, Ibrahim Unal, Selçuk Sağır, Yurdanur Tulunay, Ersin Tulunay, Gulay Sanac, Erdinç Timoçin, Şemsettin Osmanoğlu, İbrahim Ünal, Kerem Sütçü, Yunus Emre Özalp (2017) Study on ionosphere reflection, refraction, conductivity, diffusion and waves, Project: December 2017, https://www.researchgate.net/publication/321965739_the_publication_of_the_project
2515. Erdal Yiğit (2017) Dynamics of the Atmosphere-Ionosphere System - Meteorological Influences, Variability, and Space Weather, SpringerBriefs in Earth Sciences book series, DOI: https://doi.org/10.1007/978-3-319-62006-0_5, @2017
2516. Morozova, A. L., J. J. Blanco, and P. Ribeiro (2017), Modes of temperature and pressure variability in midlatitude troposphere and lower stratosphere in relation to cosmic rays, Atmos. Chem. Phys., 17, 673–690, doi:10.1002/2016SW001582., @2017
2517. Suman Paul, Syam Sundar De, D.K. Halder, G. Guha (2017) Transmission of Electric Fields due to Distributed Cloud Charges in the Atmosphere-Ionosphere System, Journal of Space and Atmospheric Physics, 136:125, DOI: 10.1016/j.jastp.2017.06.011, @2017
2518. Yiğit E. (2017) Atmospheric and Space Sciences: Ionospheres and Plasma Environments, The Springer Verlag - Briefs on Atmospheric and Space Sciences book series, interdisciplinary introduction to the basic theory, observation & modeling of atmospheric and ionospheric coupling processes on Earth. - books.google.com, @2017
2519. Yiğit, E. (2018) Dynamics of the Atmosphere-Ionosphere System. In Atmospheric and Space Sciences: Ionospheres and Plasma Environments (pp. 103-133). Springer, Cham.
2520. Ali Yesil, Selçuk Sağır (2019) Updating Conductivity Tensor of Cold and Warm Plasma for Equatorial Ionosphere F2-Region in The Northern Hemisphere, Iranian Journal of Space and Atmospheric Physics, Transaction A, Science, Springer Verlag, Volume 43, Issue 1, pp. 315–320. <https://doi.org/10.1007/s40995-017-0408-5>, @2019
2521. Bojilova R., P. Mukhtarov (2020) Relationship between the Critical Frequencies of the Ionosphere over Bulgaria and Geomagnetic Activity, C. R. Acad. Bulg. Sci., 73 (2), 121–126, @2020 [Линк](#)
2522. Bojilova R., P. Mukhtarov (2021) Construction of Ionospheric Critical Frequencies Based on the Total Electron Content over Bulgaria, C. R. Acad. Bulg. Sci., 74 (2), 131–136, @2021 [Линк](#)
2523. Reza Janalizadeh, Zaid Pervez, Victor P Pasko (2023) Efficient modeling of electron kinetics under influence of externally applied electric field in magnetized weakly ionized plasma, Plasma Physics and Technology 32(7), DOI: 10.1088/1361-6595/acdaf1, LicenseCC BY 4.0, @2023 [Линк](#)

356. Mishev A., Velinov P. I. Y.. (2016) Computation of complex ion production due to cosmic rays during the Halloween sequence of GLEs on October–November 2003. Astrophysical Journal Letters, 821:L1, 2016, doi:10.1088/2041-8205/821/1/L1, @2016, High Energy Astrophysical Phenomena] 21 Dec 2016, Los Alamos National Laboratory (LANL), NM; Cornell University Library, Ithaca, NY, USA, 2016, pp. 1–4. JCR-IF (Web of Science):0.251

Цумура се е:

2524. P. Mukhtarov, R. Bojilova (2021) Accuracy Assessment of the Ionospheric Critical Frequencies Reconstructed by TEC over Bulgaria, C. R. Acad. Bulg. Sci., 74 (2), 131–136, @2021 [Линк](#)
357. Velinov P. I. Y.. (2016) Expanded classification of solar cosmic ray events causing ground level enhancements (GLEs). Types and groups of GLEs. C. R. Acad. Bulg. Sci., 69 (7), 1341–1350. SJR (Scopus):0.206, JCR-IF (Web of Science):0.251

Цумура се е:

2525. Kilifarska N. (2018) Ozone profile response to the series of coronal mass ejections and severe geomagnetic storm in September 2017, C. R. Acad. Bulg. Sci., 71 (2), 115–120, DOI:10.7546/CRABS.2018.05.11, @2018
2526. J. Pérez-Peraza, J.C. Márquez Adame (2019) An alternative classification of solar particle events that reach the earth ground level, Physics & Astronomy International Review, 15(1), 1–10, @2019
2527. Francisco Carrillo-Perez L., J. Herrera, J. M. Carceller, A. Guillén (2021) Deep learning to classify ultra-high-energy cosmic rays by means of PMT signals, Nuclear Instruments and Methods in Physics Research Section A, 991:166201, DOI: 10.1007/s00521-020-05679-9, Springer, @2021
358. Velinov P. I. Y.. (2016) Different groups of ground level enhancements (GLEs). Collective and recurrent GLEs due to solar energetic particles. C. R. Acad. Bulg. Sci., 69 (7), 1202. SJR (Scopus):0.206, JCR-IF (Web of Science):0.251

Цумура се е:

2528. Petar Getsov, Wang Bo, Garo Mardirossian, Petar Boyanov (2017) EQUIPMENT FOR EVALUATION OF THE CHARACTERISTICS OF ELECTRONIC-OPTIC CONVERTERS, Journal of the Bulgarian Academy of Sciences: sciences mathématiques et naturelles 70(11):1575–1578., @2017
2529. J. Pérez-Peraza, J.C. Márquez Adame (2019) An alternative classification of solar particle events that reach the earth ground level, Physics & Astronomy International Review, 15(1), 1–10, @2019
359. Velinov P. I. Y.. (2016) On the distribution of Ground Level Enhancement (GLE) events during solar cycles 17–24. C. R. Acad. Bulg. Sci., 69 (7), BAS, 2016, ISSN:1310–1311, JCR-IF (Web of Science):0.251

Цумура се е:

2530. J. Pérez-Peraza, J.C. Márquez Adame (2019) An alternative classification of solar particle events that reach the earth ground level, Physics & Astronomy International Review, 15(1), 1–10, @2019
2531. N. Kilifarska, R. Bojilova (2019) Geomagnetic Focusing of Cosmic Rays in the Lower Atmosphere – Evidence and Mechanism, Comptes rendus de l'Académie bulgare des sciences, 71(2), 115–120, @2019

2532. Yuxin Lu, Rongxing Cao, Hongxia Li, Xianghua Zeng, YuXiong Xue (2024) Degradation of Electrical Performance and Radiation Damage Mechanism of Cascode C
Scripta 99(3), DOI: 10.1088/1402-4896/ad22c5, @2024 [Линк](#)
360. Mishev A., **Velinov P. I. Y.** (2016) Ionization effect due to cosmic rays during Bastille Day Event (GLE 59) on short and mid time scales. C. R. Acad. Bulg. Sci., 69, 11, 2016
[Лумупа се е:](#)
2533. A.-A. Abseim, M. Semeida, M. Saleh, S. Youssef, P. Stoeva, A. Stoev (2017) Modified Cloud Method Validation by Determination of Physical Parameters of the Solar
de l'Acad'e'mie bulgare des Sciences, Vol 70, No6, pp.839-848., @2017
2534. Kilifarska N., Y. Tassev (2018) Ozone profile response to the series of coronal mass ejections and severe geomagnetic storm in September 2017, C. R. Acad. Bulg. Sci., 70, 11, 2018
DOI:10.7546/CRABS.2018.05.11, @2018
2535. University of Oulu Collaboration (2019) Project: GLE analysis using NM data. Application for assessment of radiation hazards for aircrew, Goal: Assessment of radiation hazards
at various space weather conditions. <https://www.researchgate.net/project/GLE-analysis-using-NM-data-Application-for-assessment-of-radiation-hazards-for-aircrew>, @2019
2536. Dobрева P., O. Nitcheva, M. Kartalev (2022) Verification of Ion Density in Magnetosheath Using THEMIS Satellite Plasma Measurements, C. R. Acad. Bulg. Sci., 75, 11, 2022
DOI:10.7546/CRABS.2022.09.09, @2022 [Линк](#)
2537. Sura I. Gburi, Najat M. R. AL-Ubaidi (2023) Effect of solar proton events on the electron density of the ionosphere for different altitudes, Conference: 2ND INTERNATIONAL
RESEARCH AND ENGINEERING (ICARAE2022), DOI: 10.1063/5.0167912, @2023 [Линк](#)
361. **Velinov P. I. Y.** (2016) Extended categorisation of solar energetic particle events rising to ground level enhancements of cosmic rays. (Review paper). Aerospace Res. Bulg. Acad. Sci.
ISSN:2367-95222 (on line) & 1313-0927 (print)
[Лумупа се е:](#)
2538. J. Pérez-Peraza, J.C. Márquez Adame (2019) An alternative classification of solar particle events that reach the earth ground level, Physics & Astronomy Letters
(citations), @2019
2539. Francisco Carrillo-Perez L., J. Herrera, J. M. Carceller, A. Guillén (2021) Deep learning to classify ultra-high-energy cosmic rays by means of PMT signals, Nuclear Physics B
10.1007/s00521-020-05679-9, Springer, @2021
2540. Safinaz A. Khaled, Luc Dame, Amira Shimeis, Shahinaz Yousef, M. A. Semeida et al. (2023) Statistical study of confined filament/prominence eruptions during solar cycle 25
1384-1392. DOI:10.7546/CRABS.2023.09.09, @2023 [Линк](#)
-
- 2017**
-
362. **Velinov P. I. Y.**, Balabin Yu. V., Mauricev E. A. (2017) Calculations of enhanced ionization in strato-troposphere during the greatest ground level enhancement on 23 February 2017
Sci., 70, 4, Bulgarian Academy of Sciences, 2017, ISSN:1310-1331, 545-554. JCR-IF (Web of Science):0.27
[Лумупа се е:](#)
2541. Kilifarska N., R. Bozilova (2019) Geomagnetic Focusing of Cosmic Rays in the Lower Atmosphere – Evidence and Mechanism, Comptes rendus de l'Acad'e'mie bulgare des Sciences
374., @2019
2542. Mauricev E. A., E. A. Mikhalko, A. V. Germanenko et al. (2019) RUSCOSMICS Software Package as a Tool for Estimating the Earth's Atmosphere Ionization Rate, Cosmic Rays
Russian Academy of Sciences: Physics, volume 83, pages 653-656. Doi:10.3103/S1062873819050241, @2019
363. **Velinov P. I. Y.**, Mishev A. (2017) Long term ionization effect during several GLE events of solar cycle 23 - comparative analysis. Proceedings of Science PoS(ICRC2017) 1113
Conference, ICRC 2017, The Astroparticle Physics Conference - Session Solar & Heliospheric. SH-Terrestrial effects, Bexco, Busan, Korea; 12-20 July, 2017, DOI:<https://doi.org/10.1063/1.5008738>
IF (Web of Science):0.21
[Лумупа се е:](#)
2543. David Ruffolo (2017) Solar-Heliospheric Physics, Proceedings of Science PoS (ICRC2017) 1113 pdf, 35th International Cosmic Ray Conference, ICRC 2017, The Astroparticle Physics
Conference, ICRC 2017, The Astroparticle Physics Conference - Session Solar & Heliospheric. SH-Terrestrial effects, Bexco, Busan, Korea; 12-20 July, 2017, pp. 1-8, @2017
364. Tomova, D., **Velinov, P. I. Y.**, Tassev, Y. (2017) Energetic evaluation of the largest geomagnetic storms of Solar cycle 24 on March 17, 2015 and September 8, 2017
respectively. C. R. Acad. Bulg. Sci., 70, (11), 1567-1574, "Prof. Marin Drinov" Publishing House of Bulgarian Academy of Sciences, 2017, ISSN:1310-1331, JCR-IF (Web of Science):0.27
[Лумупа се е:](#)
2544. Srebrov B., L. Pashova, O. Kounchev. "Study of Local Manifestations of G5 – Extreme Geomagnetic Storms (29÷31 October, 2003) in Midlatitudes Using Geomagnetic
Transforms". Comptes rendus de l'Acad'e'mie bulgare des Sciences, 71(6), 803-811, 2018 IF:0.270 (Q4) DOI: 10.7546/CRABS.2018.06.11, @2018 [Линк](#)
2545. V. Guineva, I. Despirak, N. Kleimenova (2019) Substorms manifestation at high and mid-latitudes during two large magnetic storms, Aerospace Res. Bulg. 31, 27-39, 2019
DOI:10.7546/CRABS.2019.05.11, @2019
2546. Dobрева P., O. Nitcheva, M. Kartalev (2022) Verification of Ion Density in Magnetosheath Using THEMIS Satellite Plasma Measurements, C. R. Acad. Bulg. Sci., 75, 11, 2022
DOI:10.7546/CRABS.2022.09.09, @2022 [Линк](#)
365. Tassev, Y., **Velinov, P. I. Y.**, Tomova, D., **Mateev, L.** (2017) Analysis of extreme solar activity in early September 2017: G4 - Severe geomagnetic storm (07-08.09) and GLE 74
Bulg. Sci., 70, (10), 1437-1444, Bulgarian Academy of Sciences, 2017, JCR-IF (Web of Science):0.27
[Лумупа се е:](#)
2547. Kilifarska N. (2018) Ozone Profile Response to the Series of Coronal Mass Ejections and Severe Geomagnetic Storm in September 2017, C. R. Acad. Bulg. Sci., 71, 11, 2018
DOI:10.7546/CRABS.2018.05.11, @2018 [Линк](#)

2548. Kilifarska, N., Tijian Wang, Kostadin Ganev, Min Xie, Bingliang Zhuang, Shu Li. "Decadal Cooling of East Asia – the Role of Aerosols and Ozone Produced by Galac 71(7), 934–944, 2018 DOI: 10.7546/CRABS.2018.07.10 IF:0.270 (Q4), @2018 [Линк](#)
2549. Linty, N., Minetto, A., Dovis, F., Romano, V., Hunstad, I. (2018) Investigation into the space weather event of September 2017 through GNSS raw samples processi Technical Meeting of the Satellite Division of the Institute of Navigation, ION GNSS+ 2018, Miami; United States; 24 September 2018 through 28 September 2018; C
2550. N. Linty, A. Minetto, F. Dovis, L. Spogli (2018) Effects of phase scintillation on the GNSS positioning error during the September 2017 storm at Svalbard, Space Weat ISSN: 1542-7390, DOI: 10.1029/2018SW001940, @2018
2551. Srebrov B., Pashova, L., Kounchev, O. "Study of Local Manifestations of G5 – Extreme Geomagnetic Storms (29÷31 October, 2003) in Midlatitudes Using Ge Transforms". C. R. Acad. Bulg. Sci., 71(6), 803–811, 2018 DOI: 10.7546/CRABS.2018.06.11 IF: 0.270 (Q4), @2018 [Линк](#)
2552. J. Pérez-Peraza, J.C. Márquez Adame (2019) An alternative classification of solar particle events that reach the earth ground level, Physics & Astronomy (citations), @2019
2553. Keke Zhang, Xingxing Li, Chao Xiong, Xiangguang Meng, Xiaohong Zhang (2019) The influence of geomagnetic storm of September 7-8, 2017 on the Swarm Geophysical Research: Space Physics, 7, 1-10, DOI: 10.1029/2018JA026316, @2019
2554. N. V. Osetrova, I. I. Astapov, N. S. Barbashina, V. V. Borog, A. N. Dmitrieva (2019) Studying Powerful Coronal Mass Ejections That Occurred in September 2017, Ac Hodoscope, Bulletin of the Russian Academy of Sciences: Physics, Volume 83, Issue 5, pp 569–571. <https://doi.org/10.3103/S1062873819050290>, @2019
2555. Nindhita Pratiwi, Robiatul Muztaba, Annisa Novia Indra Putri, Rhorom Priyatikanto, Rhorom Priyatikanto (2019) Atmospheric drag effect on LAPAN A1 orbit dur Environmental Science 258(1):012005, May 2019, IOP Conference Series, (ICoSITeR) 2018, IOP Publishing, DOI: 10.1088/1755-1315/258/1/012005, @2019
2556. V. Guineva, I. Despirak, N. Kleimenova (2019) Substorms manifestation at high and mid-latitudes during two large magnetic storms, Aerospace Res. Bulg. 31, 27-39
2557. ОСЕТРОВА Н.В., АСТАПОВ И.И., БАРБАШИНА Н.С., БОРОГ В.В., ДМИТРИЕВА А.Н. (2019) Исследование мощных корональных выбросов масс, произоше, мюонного годоскопа УРАГАН, ИЗВЕСТИЯ РОССИЙСКОЙ АКАДЕМИИ НАУК. СЕРИЯ ФИЗИЧЕСКАЯ Издательство: Российская академия на 10.1134/S0367676519050296, @2019
2558. A. O. Akala, E. O. Oyeyemi, P. O. Amaechi, S. M. Radicella, B. Nava, C. Amory-Mazaudier (2020) Longitudinal responses of the equatorial/low latitude ionosphere storms of May and September, 2017, Journal of Geophysical Research: Space Physics, American Geophysical Union, DOI: 10.1029/2020JA027963, @2020
2559. Bojilova R., P. Mukhtarov (2020) Relationship Between Short-term Variations of Solar Activity and Critical Frequencies of the Ionosphere Represented by FoF2 and F1416-1424., @2020
2560. L.F. Chernogor, M.B. Shevelev (2020) Latitudinal dependence of quasi-periodic variations in the geomagnetic field during the greatest geospace storm of September 26 (2): 72-83. DOI: 10.15407/knit2020.02.072, @2020
2561. Lyubka Pashova, Bozhidar Srebrov, Ognyan Kounchev (2020) Investigation of Strong Geomagnetic Storms Using Multidisciplinary Big Data Sets, Proc. IEEE Conf Systems Engineering (BdKCSE), Sofia, Bulgaria, 2019, pp. 1-7. Publisher: IEEE, @2020
2562. Nicola Linty, Alex Minetto, Fabio Dovis, Luca Spogli (2020) Effects of Phase Scintillation on the GNSS Positioning Error During the September 2017 Storm 10.1029/2018SW001940, LicenseCC BY-NC-ND 4.0, @2020
2563. Черногор Ф. Ф., Шевелев Н. Б. (2020) Широтная зависимость квазипериодических вариаций геомагнитного поля в течение сильнейшей геокосмической бу наука і технологія. 26, No 3 (123). С. 72—83. ISSN 1561-8889., @2020
2564. Alfonsi L., C. Cesaroni, L. Spogli, M. Regi, A. Paul, S. Ray, S. Lepidi, D. Di Mauro, H. Haralambous, C. Oikonomou, P. R. Shreedevi, A. K. Sinha (2021) Ionosphere During 8 September 2017 Geomagnetic Storm: Plasma Structuring and Propagation, Space Weather 19(3), DOI: 10.1029/2020SW002607, LicenseCC BY 4.0, @2021
2565. Andonov B., R. Bojilova, P. Mukhtarov (2021) Global distribution of Total Electron Content response to weak geomagnetic activity, C. R. Acad. Bulg. Sci. 74 (7), 103
2566. Asenovski S. (2021) Investigation of the different periods characterising solar magnetic field reversals, C. R. Acad. Bulg. Sci., 74 (6), JCR-IF (Web of Science):0.343
2567. Giulia D'Angelo, Mirko Piersanti, Alessio Pignalberi, Igino Coco, Paola De Michelis, Roberta Tozzi, Michael Pezzopane, Lucilla Alfonsi, Pierre Cilliers, Pietro Ubert Processes Involved in GNSS Amplitude Scintillations at High Latitude: A Case Study, Remote Sens., 13, 2493. <https://doi.org/10.3390/rs13132493>, @2021
2568. Karma Tshering (2021) An analysis of the solar energetic particle propagation of the maximum solar flare on 24th solar cycle. Master of Science <http://nuir.lib.nu.ac.th/dspace/handle/123456789/2483>, @2021 [Линк](#)
2569. Min Li, Tianhe Xu, Haibo Ge, Fan Gao (2021) LEO-Constellation-Augmented BDS Precise Orbit Determination Considering Spaceborne Observational Errors 10.3390/rs13163189, LicenseCC BY 4.0, @2021
2570. Paul O. Amaechi, A. O. Akala, Johnson O. Oyedokun (2021) Multi-Instrument Investigation of the Impact of the Space Weather Events of 6–10 September 10.1029/2021SW002806, LicenseCC BY-NC-ND 4.0, @2021
2571. S. Wirma, M. Marzuki, A. Afrizal (2021) Hubungan Flare X9.3 dengan Magnetosfer dan Ionosfer selama Siklus Matahari ke-24 pada Kejadian Coronal Mass Ejection Unand, Vol. 10 (1), jfu.fmipa.unand.ac.id, @2021 [Линк](#)
2572. Shreedevi P. Radhakrishna (2021) Ionospheric Disturbances Over the Indian Sector During 8 September 2017 Geomagnetic Storm: Plasma Structuring and Propagation DOI:10.1029/2020SW002607, LicenseCC BY 4.0, @2021
2573. V. Guineva, R. Werner, R. Bojilova, L. Raykova, I. V. Despirak (2021) Mid-latitude positive bays during substorms by quiet and disturbed conditions, C. R. Acad. Bulg. Sci., 74 (6), JCR-IF (Web of Science):0.343
2574. Wirma S., M. Marzuki, A. Afrizal (2021) Relationship of solar activity with magnetosphere and ionosphere disturbance during Coronal Mass Ejection (CME) Event on 24 September 2017 IOP Conference Series, 1816 012096 2021 - iopscience.iop.org, @2021 [Линк](#)
2575. Christina Oikonomou, Haris Haralambous, Ashik Paul, Dibyendu Sur (2022) Investigation of the negative ionospheric response of the 8 September 2017 geomagnetic storm Advances in Space Research, DOI: 10.1016/j.asr.2022.05.035, Lab: Cyprus Ionospheric Research Group, @2022 [Линк](#)
2576. Dobrev P., O. Nicheva, M. Kartalev (2022) Verification of Ion Density in Magnetosheath Using THEMIS Satellite Plasma Measurements, C. R. Acad. Bulg. Sci., 75 (6), JCR-IF (Web of Science):0.343
2577. Jaroslav Urbá, Luca Spogli, Antonio Cicone (2022) Multi-scale response of the high-latitude topside ionosphere to geospace forcing, JAdvances in Space Research, LicenseCC BY-NC-ND 4.0, @2022

2578. Meng Sun, Zheng Li, Jingyuan Li, ChunLi Gu (2022) Responses of Mesosphere and Lower Thermosphere Temperature to the Geomagnetic Storm on 7–8 10.3390/universe8020096, LicenseCC BY 4.0, @2022
 2579. Nada Mostafa, Essam Ghamry, Ali Ellithi (2022) Multi-space observations of the storm sudden commencement (September 2017) and its effect on the geomagnetic 10.1016/j.asr.2022.04.023, @2022
 2580. Nenovski P., Shkevov R. (2022) Poloidal-compressional MHD Modes of the Earth's Ionosphere, C. R. Acad. Bulg. Sci., 75 (5), 709–718. JCR-IF (Web of Science):0.
 2581. Bojilova R., P. Mukhtarov (2023) Investigation of Dst Variations in X Component at Midlatitudes during Geomagnetic Storm on February 3, 2022, C. DOI:10.7546/CRABS.2023.02.11, @2023
 2582. Pangestu, A.D., Muhamad, J., Nurzaman, M.Z. et al. (2023) Development of solar east limb active regions occurrence detection system based on EUV intensity c https://doi.org/10.1007/s12036-023-09915-1, @2023 [Линк](#)
 2583. Pietrow, A.G.M., Cretignier, M., Druett, M.K., Alvarado-Gómez, J.D., Hofmeister, S.J., Verma, M., Kamlah, R., Baratella, M., Amazo-Gomez, E.M., Kontogiannis, I., D two X2. 2 and X9. 3 solar flares observed with HARPS-N: Reconciling Sun-as-a-star spectroscopy and high-spatial resolution solar observations in the context of th arXiv:2309.03373., @2023 [Линк](#)
 2584. Safinaz A. Khaled, Luc Dame. , Amira Shimeis, Shahinaz Yousef, M. A. Semeida et al. (2023) Statistical study of confined filament/prominence eruptions during solar 1384-1392. DOI:10.7546/CRABS.2023.09.09, @2023 [Линк](#)
 2585. Шевелев, М. Б. (2023). Параметри інфразвукових хвиль, згенерованих джерелами різної фізичної природи (Doctoral dissertation, Харків: ХНУ імені В.Н. Караца
 2586. A. G. M. Pietrow, M. Cretignier, M. K. Druett et al. (2024) A comparative study of two X2.2 and X9.3 solar flares observed with HARPS-N. Reconciling Sun-as-a-star solar observations in the context of the solar-stellar connection, Astronomy & Astrophysics (A&A), DOI: https://doi.org/10.1051/0004-6361/202347895, @2024 [Линк](#)
 2587. Ashutosh Giri, Binod Adhikari, Rabin Baral, Andres Calabia (2024) Wavelet Coherence Analysis of Plasma Beta, Alfvén Mach Number, and Magnetosonic Mach Number The Scientific World Journal, DOI: 10.1155/2024/1335844, LicenseCC BY 4.0, @2024 [Линк](#)
 2588. Chuchra-Konrad, A., Matyjasiak, B., Przepiórka-Skup, D. et al. (2024) Main ionospheric trough and field-aligned currents' responses to the geomagnetic storms in C Geophys.. https://doi.org/10.1007/s11600-024-01304-8, @2024 [Линк](#)
366. Tomova, D., **Velinov P. I. Y., Tassev, Y.** (2017) Comparison between extreme solar activity during periods March 15-17, 2015 and September 4-10, 2017 at different phases of Aerospace Res. Bulg., 29, 3-29, BAS Publishers, Sofia, 2017, ISSN:2367-95222 (on line) & 1313-0927 (print), DOI:10.7546/AeReBu.29.18.01.02
- Литература цитується:
2589. V. Guineva, I. Despirak, N. Kleimenova (2019) Substorms manifestation at high and mid-latitudes during two large magnetic storms, Aerospace Res. Bulg. 31, 27-39
 2590. L.F. Chernogor, M.B. Shevelev (2020) altitudinal dependence of quasi-periodic variations in the geomagnetic field during the greatest geospace storm of September (2): 72-83. DOI: 10.15407/knit2020.02.072, @2020
 2591. Черногор Л. Ф., Шевелев Н. Б. (2020) Широтная зависимость квазипериодических вариаций геомагнитного поля в течение сильнейшей геокосмической бури наука і технологія. 26, No 3 (123). С. 72—83. ISSN 1561-8889., @2020
 2592. Jenan Rajavarathan, Thilantha Lakmal Damma, Sampad Kumar Panda (2021) Ionospheric Total Electron Content Response to September-2017 Geomagnetic Storm Eclipse over Sri Lankan Region, Acta Astronautica, January 2021, Vol. 178, p. 919., @2021
 2593. Roshan Kumar Mishra, Ashok Silwal, Rabin Baral, Binod Adhikari, Carlos Roberto Braga, Sujana Prasad Gautam, Priyanka Kumari Das, Yenca Migoya-Orue (2021) Wavelet Analysis of High Latitude Stations During Geomagnetic Disturbances, Project: Spectral Analysis of Forbush Decrease at High Latitude stations during Geomagnetic Disturbances 10.21203/rs.3.rs-324774/v1, @2021
 2594. J. R. Rajavarathan et al. (2022) Ionospheric TEC Response to Severe Geomagnetic storm and Annular solar eclipse through GNSS based TEC observations and Artificial Neural Networks Ionosphere Maps over Sri Lankan equatorial and low latitude region, Springer, February 2022, Astrophysics and Space Science 367(2) DOI: 10.1007/s10509-022-04051-8
 2595. Jenan R. , T. Dammalage, S. Panda (2022) Ionospheric TEC response to severe geomagnetic storm and annular solar eclipse through GNSS based TEC observations and Artificial Neural Networks global ionosphere maps over Sri Lankan equatorial and low latitude region, Astrophysics and Space Science, 367:24. https://doi.org/10.1007/s10509-022-04051-8,
 2596. R. K. Mishra et al. (2022) Wavelet Analysis of Forbush Decreases at High-Latitude Stations During Geomagnetic Disturbances, Springer, February 2022, Solar Physics 301948, , @2022
367. Tomova D., **Velinov P. I. Y., Tassev Y.** (2017) Comparison between extreme solar activity events on March 15, 2015 and September 4 and 6, 2017 at different phases of Space Physics of 13-th Anniversary Scientific Conference with International Participation Space, Ecology, Safety: SES 2017, 2–4 November 2017, Sofia, Bulgaria, Progr. B
- Литература цитується:
2597. V. H. Guineva, V. Despirak, N. G. Kleimenova (2019) Substorms manifestation at high and mid-latitudes during two large magnetic storm, Aerospace Res. Bulg. 31, 27-39 DOI: 10.3897/arb.v31.e03, @2019
 2598. L.F. Chernogor, M.B. Shevelev (2020) altitudinal dependence of quasi-periodic variations in the geomagnetic field during the greatest geospace storm of September (2): 72-83. DOI: 10.15407/knit2020.02.072, @2020
 2599. Черногор Л. Ф., Шевелев Н. Б. (2020) Широтная зависимость квазипериодических вариаций геомагнитного поля в течение сильнейшей геокосмической бури наука і технологія. 26, No 3 (123). С. 72—83. ISSN 1561-8889., @2020
 2600. Jenan Rajavarathan, Thilantha Lakmal Damma, Sampad Kumar Panda (2021) Ionospheric Total Electron Content Response to September-2017 Geomagnetic Storm Eclipse over Sri Lankan Region, Acta Astronautica, January 2021, Vol. 178, p. 919., @2021
 2601. Roshan Kumar Mishra, Ashok Silwal, Rabin Baral, Binod Adhikari, Carlos Roberto Braga, Sujana Prasad Gautam, Priyanka Kumari Das, Yenca Migoya-Orue (2021) Wavelet Analysis of High Latitude Stations During Geomagnetic Disturbances, Project: Spectral Analysis of Forbush Decrease at High Latitude stations during Geomagnetic Disturbances 10.21203/rs.3.rs-324774/v1, @2021

- 2602.** J. R. Rajavarathan et al. (2022) Ionospheric TEC Response to Severe Geomagnetic storm and Annular solar eclipse through GNSS based TEC observations and Artificial Neural Networks, *Journal of Space Weather and Space Climate*, 16, 1-12, DOI: 10.1007/s10509-022-04051-8, [@2022](#)
- 2603.** Jenan R. , T. Dammalage, S. Panda (2022) Ionospheric TEC response to severe geomagnetic storm and annular solar eclipse through GNSS based TEC observations and Artificial Neural Networks, *Journal of Space Weather and Space Climate*, 16, 1-12, DOI: 10.1007/s10509-022-04051-8, [@2022](#)
- 2604.** R. K. Mishra, A. Silwal, R. Baral, B. Adhikari, Y. Migoya-Orue (2022) Wavelet Analysis of Forbush Decreases at High-Latitude Stations During Geomagnetic Storms, *Journal of Space Weather and Space Climate*, 16, 1-12, DOI: 10.1007/s11207-022-01948-z, [@2022](#)

2018

- 368. Velinov P. I. Y., Tassev Y..** (2018) Long term decrease of stratospheric ionization near the 24-th solar cycle minimum after G4 – Severe geomagnetic storm and GLE72 on September 10, 2017, *Journal of Space Weather and Space Climate*, 12, 1086-1094, BAS, 2018, DOI:10.7546/CRABS.2018.08.10, JCR-IF (Web of Science):0.321
[Цитира се в:](#)
- 2605.** V. Guineva, I. Despirak, N. Kleimenova (2019) Substorms manifestation at high and mid-latitudes during two large magnetic storms, *Aerospace Res. Bulg.* 31, 27-39, DOI: 10.1007/978-981-16-3142-9_17, [@2021](#)
- 2606.** Chengli She, Haitao Liu, Jun Yu, Peiyuan Zhou, Hongzheng Cui (2021) Development of High-Precision Ionospheric Monitoring System in China: Taking ROTI Map as an Example, *Navigation Conference (CSNC 2021) Proceedings*, DOI: 10.1007/978-981-16-3142-9_17, [@2021](#)
- 2607.** Dobrev P., O. Nicheva, M. Kartalev (2022) Verification of Ion Density in Magnetosheath Using THEMIS Satellite Plasma Measurements, *C. R. Acad. Bulg. Sci.*, 75, 1-12, DOI: 10.1007/978-981-16-3142-9_17, [@2021](#)
- 2608.** Bojilova R., Atanasova M. (2024) Post-seismic ionosphere effects after Croatian MW 6.4 earthquake on 29 December 2020, *C. R. Acad. Bulg. Sci.*, 77, 1-12, DOI:10.7546/CRABS.2024.05.07, [@2024](#) [Линк](#)
- 369. Velinov P. I. Y., Tassev Y., Tomova D., Mateev L..** (2018) Analysis and characteristics of unpredictable G2 – moderate geomagnetic storm on April 20, 2018 in solar cycle 25, *Journal of Space Weather and Space Climate*, 12, 1357-1365, BAS, 2018, DOI:10.7546/CRABS.2018.10.09, JCR-IF (Web of Science):0.321
[Цитира се в:](#)
- 2609.** Werner R., V. Guineva (2020) Forecasting sunspot numbers for solar cycle 25 using autoregressive models for both hemispheres of the Sun, *C. R. Acad. Bulg. Sci.*, 73, 1-12, DOI: 10.1007/978-981-16-3142-9_17, [@2021](#)
- 2610.** V. Guineva, R. Werner, R. Bojilova, L. Raykova, I. V. Despirak (2021) Mid-latitude positive bays during substorms by quiet and disturbed conditions, *C. R. Acad. Bulg. Sci.*, 74, 1-12, DOI: 10.1007/978-981-16-3142-9_17, [@2021](#)
- 2611.** Dobrev P., O. Nicheva, M. Kartalev (2022) Verification of Ion Density in Magnetosheath Using THEMIS Satellite Plasma Measurements, *C. R. Acad. Bulg. Sci.*, 75, 1-12, DOI: 10.1007/978-981-16-3142-9_17, [@2021](#)
- 2612.** Ilya K. Edemskiy, Yury Yasyukevich (2022) Auroral Oval Boundary Dynamics on the Nature of Geomagnetic Storm, *Remote Sensing* 14(21):5486, DOI: 10.3390/rs14215486, [@2022](#)
- 2613.** Bojilova R., Atanasova M. (2024) Post-seismic ionosphere effects after Croatian MW 6.4 earthquake on 29 December 2020, *C. R. Acad. Bulg. Sci.*, 77, 1-12, DOI:10.7546/CRABS.2024.05.07, [@2024](#) [Линк](#)
- 370. Mishev A., Velinov P. I. Y..** (2018) Ion production and ionization effect in the atmosphere during the Bastille day GLE 59 due to high energy SEPs. *Adv. Space Res.* 61, 1016-1023, DOI:10.1016/j.asr.2017.10.023, JCR-IF (Web of Science):2.177
[Цитира се в:](#)
- 2614.** Kilifarska N. (2017) Mechanism for connection between the cosmic rays, geomagnetic field and Earth's climate, Dissertation for obtaining scientific degree "Doctor of Science", Bulgarian Academy of Sciences, Sofia 2017, 142 p. Килицарска Н. (2017) Механизъм за връзка между космическите лъчи, геомагнитното поле и климата на Земята, доктор на физическите науки, Н И Г Г Г при БАН, София 2017, 142 стр., [@2017](#)
- 2615.** I. Usoskin (2019) Spectra of extreme GLEs derived using neutron monitor network records, *Proceedings of Science (PoS)*, Volume 358 - 36th International Cosmic Ray Conference & Heliospheric (Madison, Wisconsin, USA from 24 July - 1 August 2019, IUPAP), DOI: 10.22323/1.358.1124, [@2019](#)
- 2616.** University of Oulu Collaboration (2019) Project: GLE analysis using NM data. Application for assessment of radiation hazards for aircrew. Goal: Assessment of radiation hazards for aircrew at various space weather conditions. <https://www.researchgate.net/project/GLE-analysis-using-NM-data-Application-for-assessment-of-radiation-hazards-for-aircrew>, [@2019](#)
- 2617.** Kilifarska, N.A., Bakmutov, V.G., Melnyk, G.V. (2020) The Hidden Link Between Earth's Magnetic Field and Climate, Elsevier, Amsterdam - Oxford - Cambridge, MA, 819346-4, 230 p.; Chapter 5. Galactic cosmic rays and solar particles in Earth's atmosphere, pp. 101-131., [@2020](#)
- 2618.** Q. Wu, H. Li, C. Wang (2020) Short-term Lightning Response to Ground Level Enhancements, *Frontiers in Physics*, 8:348. Doi: 10.3389/fphy.2020.00348, [@2020](#)
- 2619.** Asheesh Bhargawa, Ashok K. Singh (2021) Elucidation of some solar parameters observed during solar cycles 21 - 24, *Advances in Space Research*, DOI: 10.1016/j.asr.2021.10.023, [@2021](#)
- 2620.** Susanna Pätsi (2022) Ionization effect in the Earth's atmosphere due to cosmic rays during the GLE # 71 on 17 May 2012, *Advances in Space Research*, <https://doi.org/10.1016/j.asr.2021.10.023>, [@2022](#)
- 2621.** Mishev A. (2023) Application of the global neutron monitor network for assessment of spectra and anisotropy and the related terrestrial effects of strong SEPs, *Journal of Space Weather and Space Climate*, <https://doi.org/10.1016/j.jssp.2023.106021>, [@2023](#) [Линк](#)
- 2622.** Yeimy J. Rivera, J. C. Raymond, J. C. Raymond, Katharine K. Reeves, Nicolas Trueba (2023) 3D MHD Time-dependent Charge State Ionization and Recombination in the Solar Wind, *The Astrophysical Journal* 955(1):65, DOI: 10.3847/1538-4357/aceef8, LicenseCC BY 4.0, [@2023](#) [Линк](#)
- 371. Velinov P. I. Y., Mateev, L..** (2018) Anisotropic penetration of solar energetic particles in the Earth environment. *C. R. Acad. Bulg. Sci.*, 71, 3, BAS, 2018, DOI:10.7546/CRABS.2018.08.10, JCR-IF (Web of Science):0.321
[Цитира се в:](#)
- 2623.** Anna Bouzekova-Penkova, Silviya Simeonova, Rositza Dimitrova, Rayna Dimitrova (2020) Structural Properties of Aluminium Alloy Enhanced by Nanodiamond and Carbon Nanotubes, *Compt. rend. Acad. bulg. Sci.*, Vol 73, No9, pp.1270-1276., [@2020](#)

372. Mishev, A., **Velinov, P. I. Y.** (2018) Ionization effect in the middle stratosphere due to cosmic rays during strong GLE events. C. R. Acad. Bulg. Sci., 71(4), 2018, DOI:10.7546/CRABS.2018.04.001 (Web of Science):0.321
[Lumupa ce e:](#)
2624. Kilifarska N. (2019) Latitudinal dependence of the stratospheric ozone and temperature response to solar particles' forcing on 20 January 2005, Aerospace Res. Bulg.
2625. D. Teodosiev, A. Bouzekova-Penkova, K. Grigorov, R. Nedkov, P. Tzvetkov, B. Tsyntarski, A. Kosateva, S. Klimov, V. Grushin (2021) Structural and Mechanical Properties of a New Material Developed for an Extended Stay on the International Space Station (ISS), C. R. Acad. Bulg. Sci., 74 (2), 197-206., @2021

2019

373. **Tassev Y., Velinov P. I. Y., Tomova D.** (2019) Forecast of solar activity geoeffectiveness in May 2019. Does the solar cycle 25 begin?. C. R. Acad. Bulg. Sci., 72 (5), 641-649. DOI:10.7546/CRABS.2019.09.11, 1234-1243. JCR-IF (Web of Science):0.343
[Lumupa ce e:](#)
2626. Safinaz A. Khaled, Luc Damé, Mohamed A. Semeida, Magdy Y. Amin, Ahmed Ghitas, Shahinaz Yousef et al. (2020) Variations of the Hydrogen Lyman Alpha Line through the Solar Cycle 24 and 25 using SOHO/SOLSTICE Data, Comptes rendus de l'Académie bulgare des Sciences, Vol 73, No9, pp.1260-1269., @2020
2627. Werner R., V. Guineva (2020) Forecasting sunspot numbers for solar cycle25 using autoregressive models for both hemispheres of the Sun, C. R. Acad. Bulg. Sci., 72 (5), 641-649.
2628. V. Guineva, R. Werner, R. Bojilova, L. Raykova, I. V. Despirak (2021) Mid-latitude positive bays during substorms by quiet and disturbed conditions, C. R. Acad. Bulg. Sci., 74 (8), 1270-1276., @2021
2629. Dobрева P., O. Nitcheva, M. Kartalev (2022) Verification of Ion Density in Magnetosheath Using THEMIS Satellite Plasma Measurements, C. R. Acad. Bulg. Sci., 75 (1), 1-8, @2022
374. **Velinov P. I. Y.** (2019) Cosmic ray anomalous enhancement (not a GLE) during G3 – Strong geomagnetic storm on August 26, 2018 associated with Forbush effect. C. R. Acad. Bulg. Sci., 72 (5), 641-649. DOI:10.7546/CRABS.2019.03.12, SJR (Scopus):0.21, JCR-IF (Web of Science):0.343 (x)
[Lumupa ce e:](#)
2630. Anna Bouzekova-Penkova, Silviya Simeonova, Rositza Dimitrova, Rayna Dimitrova (2020) Structural Properties of Aluminium Alloy Enhanced by Nanodiamond and Carbon Nanotubes, Compt. rend. Acad. bulg. Sci., Vol 73, No9, pp.1270-1276., @2020
375. **Velinov P. I. Y.** (2019) Study of strongest geomagnetic storm for 2018 – the surprise synagermós G3 storm on August 26, 2018 in special position of Sun-Earth-Moon system. C. R. Acad. Bulg. Sci., 72 (5), 641-649. DOI:10.7546/CRABS.2019.02.12, SJR (Scopus):0.21, JCR-IF (Web of Science):0.343 (x)
[Lumupa ce e:](#)
2631. Andonov B., R. Bojilova, P. Mukhtarov (2021) Global distribution of Total Electron Content response to weak geomagnetic activity, C. R. Acad. Bulg. Sci. 74 (8), 1270-1276., @2021
376. **Velinov P. I. Y., Mateev L.** (2019) Penetration of solar cosmic rays with highly anisotropic distribution into the near-Earth space. C. R. Acad. Bulg. Sci., 72 (5), 641-649. SJR (Scopus):0.21, JCR-IF (Web of Science):0.343
[Lumupa ce e:](#)
2632. Andonov B., R. Bojilova, P. Mukhtarov (2021) Global distribution of Total Electron Content response to weak geomagnetic activity, C. R. Acad. Bulg. Sci. 74 (8), 1270-1276., @2021
377. Dorman, L. I., **Tassev, Y., Velinov, P. I. Y., Tomova, D., Mateev, L.** (2019) Investigation of exceptional solar activity in September 2017: GLE72 and unusual Forbush event. Conference Series (JPCS) 1181 012070, IOP Publishing, 2019, ISSN:1742-6596, DOI:10.1088/1742-6596/1181/1/012070, 1-8. SJR (Scopus):0.24, JCR-IF (Web of Science):0.343
[Lumupa ce e:](#)
2633. Leon Kocharov, Melissa Pesce-Rollins, Timo Laitinen et al. (2020) Interplanetary Protons versus Interacting Protons in the 2017 September 10 Solar Eruptive Event, Space Weather, 18(1), 1-13., @2020
2634. Mishev A. (2020) GLE analysis using NM data. Application for assessment of radiation hazards for aircrew, Project, Profile in: <https://www.researchgate.net/project/Cosmic-ray-analysis-using-NM-data-for-assessment-of-radiation-hazards-for-aircrew>, @2020
2635. Yun-Feng Zhang, Huan-Yu Jia, Hui Wang (2021) Research on the peak energy spectrum of the solar cosmic ray ground level enhancement event (GLE72), Journal of Space Weather and Space Climate, 15(10):109601, DOI: 10.7498/aps.70.20201662, @2021
2636. Oksana Mandrikova, Bogdana Mandrikova (2022) Hybrid Method for Detecting Anomalies in Cosmic ray Variations Using Neural Networks Autoencoder, Symmetry, 14(12), 2185, LicenseCC BY 4.0, @2022
2637. Angela Melgarejo-Morales · G. Esteban Vazquez-Becerra · J.R. Millan-Almaraz · Carlos A. Martinez-Felix 2023 Applying Support Vector Machine (SVM) using GPS data to distinguish ionospheric disturbances possibly related to earthquakes, Aug 2023 · Advances in Space Research, DOI: 10.1016/j.asr.2023.08.028, @2023 [Линк](#)
2638. Kolarski A., N. Veselinovich, V. Sreckovich, Z. Mijic, M. Savich, A. Dragi (2023) Impacts of Extreme Space Weather Events on September 6th, 2017 on Ionospheric Parameters, Space Weather, 21(5):1403, DOI: 10.3390/rs15051403, @2023
2639. Agata Chuchra-Konrad, Barbara Matyjasia, Dorota Przepiórka-Skup, Hanna Rothkaehl (2024) Main ionospheric trough and field-aligned currents' responses to the solar wind disturbance on September 2017, Acta Geophysica, DOI: 10.1007/s11600-024-01304-8, @2024 [Линк](#)
2640. Bojilova R., Atanasova M. (2024) Post-seismic ionosphere effects after Croatian MW 6.4 earthquake on 29 December 2020, C. R. Acad. Bulg. Sci., 77 (1), 1-8, DOI:10.7546/CRABS.2024.05.07, @2024 [Линк](#)

378. **Velinov P. I. Y.**, Mishev A.. (2019) Ionization effect in the atmosphere during several Halloween GLE events in October-November 2003. Proceedings of Science PoS Cosmic Ray Conference (ICRC 2019, 24 July–1 August, 2019), Madison, USA, 2019, pp. 1-8. JCR-IF (Web of Science):0.21 (x)
[Lumupa ce 6:](#)
2641. P. Mukhtarov, R. Bojilova (2021) Accuracy Assessment of the Ionospheric Critical Frequencies Reconstructed by TEC over Bulgaria, C. R. Acad. Bulg. Sci., 74 (2), 2021
2642. Kazi Abul Firoz, Weiqun Gan, Youping Li, Javier Rodriguez-Pacheco, L. I. Dorman (2022) Duration and Fluence of Major Solar Energetic Particle (SEP) Events in 2020, 10.1007/s11207-022-01994-7, @2022

2020

379. Mishev A., **Velinov P. I. Y.**. (2020) Ionization effect in the Earth's atmosphere during the sequence of October–November 2003 Halloween GLE events. J. Atmos. Solar-Terrestrial Physics, 2020, ISSN:1364-6826, DOI:<https://doi.org/10.1016/j.jastp.2020.105484>, JCR-IF (Web of Science):1.775 (x)
[Lumupa ce 6:](#)
2643. Andonov B., R. Bojilova, P. Mukhtarov (2021) Global distribution of Total Electron Content response to weak geomagnetic activity, C. R. Acad. Bulg. Sci. 74 (8), , @2021
2644. Asheesh Bhargawa, Ashok K. Singh (2021) Elucidation of some solar parameters observed during solar cycles 21 - 24, Advances in Space Research, DOI: 10.1016/j.asr.2021.105707, @2021
2645. Kravtsova M. V., S. V. Olemskoy, V. E. Sdobnov (2021) Ground level enhancements of cosmic rays on October–November 2003, Journal of Atmospheric and Solar-Terrestrial Physics, 10.1016/j.jastp.2021.105707, @2021
2646. P. Mukhtarov, R. Bojilova (2021) Accuracy Assessment of the Ionospheric Critical Frequencies Reconstructed by TEC over Bulgaria, C. R. Acad. Bulg. Sci., 74 (2), 2021
2647. Susanna Pätsi (2022) Ionization effect in the Earth's atmosphere due to cosmic rays during the GLE # 71 on 17 May 2012, Advances in Space Research, <https://doi.org/10.1016/j.asr.2021.105707>, @2022
2648. Athanasios Papaioannou (2023) What do we learn from ground level enhancements? In book: NMDB@Athens, DOI: 10.38072/2748-3150/p37 ; LicenseCC BY 4.0, 2023
2649. Sura I. Gburi, Najat M. R. AL-Ubaidi (2023) Effect of solar proton events on the electron density of the ionosphere for different altitudes, Conference: 2ND INTERNATIONAL RESEARCH AND ENGINEERING (ICARAE2022), DOI: 10.1063/5.0167912, @2023 [Линк](#)
380. Mishev A., **Velinov P. I. Y.**. (2020) Ionization effect in the Earth's atmosphere during the sequence of October–November 2003 Halloween GLE events. Space Physics and Space Weather, Oct 2020, Los Alamos National Laboratory (LANL), NM; Cornell University Library, Ithaca, NY, USA, 2020, pp. 1-21. JCR-IF (Web of Science):0.41 (x)
[Lumupa ce 6:](#)
2650. Kravtsova M. V., S. V. Olemskoy, V. E. Sdobnov (2021) Ground level enhancements of cosmic rays on October–November 2003, Journal of Atmospheric and Solar-Terrestrial Physics, 10.1016/j.jastp.2021.105707, @2021
381. Mishev A., **Velinov P. I. Y.**. (2020) Ionization effect in the region of Regener-Pfotzer maximum due to cosmic rays during Halloween GLE events in October-November 2003. J. Atmos. Solar-Terrestrial Physics, 2020, ISSN:1364-6826, DOI:<https://doi.org/10.1016/j.jastp.2020.105484>, JCR-IF (Web of Science):0.378 (x)
[Lumupa ce 6:](#)
2651. Andonov B., R. Bojilova, P. Mukhtarov (2021) Global distribution of Total Electron Content response to weak geomagnetic activity, C. R. Acad. Bulg. Sci. 74 (8), , @2021
2652. P. Mukhtarov, R. Bojilova (2021) Accuracy Assessment of the Ionospheric Critical Frequencies Reconstructed by TEC over Bulgaria, C. R. Acad. Bulg. Sci., 74 (2), 2021
2653. Sura I. Gburi, Najat M. R. AL-Ubaidi (2023) Effect of solar proton events on the electron density of the ionosphere for different altitudes, Conference: 2ND INTERNATIONAL RESEARCH AND ENGINEERING (ICARAE2022), DOI: 10.1063/5.0167912, @2023 [Линк](#)
382. **Velinov, P. I. Y.**, **Tassev, Y.**, Tomova, D.. (2020) Study of unpredicted first geomagnetic storm of 2020, due to interaction of ICME with Near-Earth Space on April 20. C. R. Acad. Bulg. Sci., 74 (2), 2020, JCR-IF (Web of Science):0.378
[Lumupa ce 6:](#)
2654. Andonov B., R. Bojilova, P. Mukhtarov (2021) Global distribution of Total Electron Content response to weak geomagnetic activity, C. R. Acad. Bulg. Sci. 74 (8), , @2021
2655. Asenovski S. (2021) Investigation of the different periods characterising solar magnetic field reversals, C. R. Acad. Bulg. Sci., 74 (6), JCR-IF (Web of Science):0.343 (x), 2021
2656. V. Guineva, R. Werner, R. Bojilova, L. Raykova, I. V. Despirak (2021) Mid-latitude positive bays during substorms by quiet and disturbed conditions, C. R. Acad. Bulg. Sci., 74 (2), 2021
2657. Dobрева P., O. Nicheva, M. Kartalev (2022) Verification of Ion Density in Magnetosheath Using THEMIS Satellite Plasma Measurements, C. R. Acad. Bulg. Sci., 75 (1), 2022

2021

383. **Velinov, P. I. Y.**, **Mateev, L.**. (2021) Modeling of the maximum spectrum of cosmic rays and their ionization during the minimums of solar cycles 23/24 and 24/25. C. R. Acad. Bulg. Sci., 74 (2), 2021, ISSN:1310-1331, SJR (Scopus):0.244, JCR-IF (Web of Science):0.378
[Lumupa ce 6:](#)
2658. Velichkova Ts. P. , N. A. Kilifarska (2022) Extra-terrestrial influence on climate variability, Journal of Physics Conference Series, 2255(1):012012, DOI: 10.1088/1742-6596/2255/1/012012, @2022

384. Mishev A., **Velinov P. I. Y. I.** (2022) Global Maps of Galactic Cosmic Ray Induced Ionization at Different Altitudes in Planetary Atmosphere. C. R. Acad. Sci. Paris, 376, 2593–2601, Elsevier, 2022, DOI:10.1016/j.asr.2022.01.032, JCR-IF (Web of Science):0.3

Цитира се в:

2659. Alexandre Winant, Viviane Pierrard, Edith Botek, Konstantin Herbst (2023) The Atmospheric Influence on Cosmic-Ray-Induced Ionization and Absorbed Dose Rates in Space. Universe 2022, 8, 3390/universe9120502, LicenseCC BY 4.0, @2023 [Линк](#)
2660. Koldobskiy, S., Mekhaldi, F., Kovaltsov, G., & Usoskin, I. (2023) Multiproxy reconstructions of integral energy spectra of extreme solar particle events of 7176 BCE, of Geophysical Research: Space Physics, 128, e2022JA031186. DOI: 10.1029/2022JA031186, @2023 [Линк](#)
385. Dorman L. I., **Velinov P. I. Y. I.**, Mishev A. (2022) Global planetary ionization maps in Regener-Pfotzer cosmic ray maximum for GLE 66 during magnetic superstorm of 29 October 1959 (9), 2593–2601, Elsevier, 2022, DOI:10.1016/j.asr.2022.01.032, JCR-IF (Web of Science):2.177
- Цитира се в:
2661. Felix Horst, Daria Boscolo, Marco Durante, Francesca Luoni, Christoph Schuy, Uli Weber (2022) Thick shielding against galactic cosmic radiation: A Monte Carlo study of neutrons, Life Sciences in Space Research, 33(2), DOI: 10.1016/j.lssr.2022.03.003, @2022 [Линк](#)
2662. Bojilova R., Atanasova M. (2024) Post-seismic ionosphere effects after Croatian MW 6.4 earthquake on 29 December 2020, C. R. Acad. Sci. Paris, 378, 2593–2601, Elsevier, 2024, DOI:10.7546/CRABS.2024.05.07, @2024 [Линк](#)
2663. Sergey Koldobskiy, Nicholas Larsen, Ilya G. Usoskin (2024) Spectra and Anisotropy of Solar Energetic Protons During GLE #65 on 28 October, 2003 and GLE #66 on 28 October, 2017, Space Weather, 22, 1–12, DOI: 10.1007/s11207-024-02269-z, LicenseCC BY 4.0, @2024 [Линк](#)
386. **Velinov P. I. Y.** (2022) Major X-Class Solar Flare from Earth-Facing Active Region AR12887 on October 28, 2021 and First Cosmic Ray GLE 73 in Solar Cycle 25. C. R. Acad. Sci. Paris, 376, 2593–2601, Elsevier, 2022, ISSN:13101331, DOI:10.7546/CRABS.2022.02.10, SJR (Scopus):0.19, JCR-IF (Web of Science):0.326
- Цитира се в:
2664. Mavromichalaki, H.; Paschalis, P.; Gerontidou, M.; Papaillou, M.-C.; Paouris, E.; Tezari, A.; Lingri, D.; Livada, M.; Stassinakis, A.N.; Crosby, N.; et al. The Update of the Ground-Level Enhancement GLE73 on 28 October 2021. Universe 2022, 8, 378. <http://doi.org/10.3390/universe8070378>, @2022 [Линк](#)
2665. Mishev, A.L., Kocharov, L.G., Koldobskiy, S.A. et al. (2022) High-Resolution Spectral and Anisotropy Characteristics of Solar Protons During the GLE N°73 on 28 October 2021. Data Analysis. Sol Phys 297, 88 (2022). <https://doi.org/10.1007/s11207-022-02026-0>, @2022 [Линк](#)
2666. Zhang, Y.F., Firoz, K.A., Gan, W.Q., Li, Y.P., Jia, H.Y. "A Study of the Possible Mechanism of the Ground Level Enhancement on 28 October 2021". Solar Physics, 363, 1706–1716, 2022, @2022 [Линк](#)
2667. A. Mishev, L. Kocharov, S. Koldobskiy, N. Larsen E-et al. (2023) The GLE #73 on 28 October 2021: spectra, angular distribution and terrestrial effects, In book: Cosmic Radiation in Space, Volume 2, 2023, pp. 105-111, KIEL-UP, DOI: 10.38072/2748-3150/36, @2023 [Линк](#)
2668. Krastev K. (2023) Study of radiation conditions along the route and in orbit around Mars based on data from the Lyulin-MO instrument on board the ExoMars Trace Gas Orbiter. Institute for Space Research and Technology, Bulgarian Academy of Sciences, 45 p., @2023
2669. Krastev K. (2023) Study of radiation conditions along the route and in orbit around Mars based on data from the Lyulin-MO instrument on board the ExoMars Trace Gas Orbiter. Institute for Space Research and Technology, Bulgarian Academy of Sciences, 141 p., @2023
2670. Krastev K., J. Semkova, R. Koleva (2023) Numerical Simulation of Liulin-MO Instrument for Measuring Cosmic Radiation Onboard ExoMars Trace Gas Orbiter. Space Weather, 21, 1706–1716, @2023 [Линк](#)
2671. Nachev I., P. Petkov (2023) VLF system for SID monitoring, Conference: 2023: 33rd International IEEE ConferenceRadioelektronika, DOI: 10.1109/RADIOELEKTRONIKA57919.2023.10109027, @2023 [Линк](#)
2672. Safinaz A. Khaled, Luc Dame, Amira Shimeis, Shahinaz Yousef, M. A. Semeida et al. (2023) Statistical study of confined filament/prominence eruptions during solar cycle 25. Solar Wind, 1384–1392. DOI:10.7546/CRABS.2023.09.09, @2023 [Линк](#)