The H-index of the Bulgarian Academy of Sciences is 202

The H-index has been introduced to evaluate the achievements of individual scientists, but has recently been increasingly used to assess the relevance of various fields of science and scientific institutions. According to the Web of Knowledge (accessed September 13, 2019), the H-index of the Bulgarian Academy of Sciences on is 202. For comparison, the H-index of the whole country is about 260. Although it does not take into account a number of factors, such as different average citation in different sciences, the H-index gives an overview of the impact of an institution.

Below is a list of scientific papers by researchers from the Bulgarian Academy of Sciences, cited at least 202 times each. The names of the authors from the Academy are shown in bold. The list includes on;ly articles affiliated to the respective departmnet of BAS. Part of the articles (59) have been published as a result of extensive international cooperation and have more than 30 co-authors. In these cases not all names of the co-authors are listed.

№	Authors	Title	Journal, Volume, Page	Year	Institute [a]	Citations
1	**Atanassov, KT**	Intuitionistic Fuzzy Sets	Fuzzy Sets and Systems, vol. 20, p. 86	1987	IBBE	**5853**
2	Olive, KA; …. **Petcov, ST** and 205 more	Review of Particle Physics, Particle Data Group	Chinese Physics C., vol. 38, Art. UNSP 090001	2014	INRNE	**5645**
3	Beringer, J; ..... **Petcov, ST** and 188 more	Review of Particle Physics, Particle Data Group	Physical Review D, vol. 86, art. No 010001	2012	INRNE	**5620**
4	Chatrchyan, S; ..... **Dimitrov, L; Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vankov, I; Vutova, M; Roumenin, C; Uzunova, D; Zahariev, R** and 2874 more	Observation of a New Boson at a Mass of 125 GeV with the CMS Eexperiment at the LHC	Physics Letters B, vol. 716, p. 30	2012	INRNE, IR	**5435**
5	Nakamura, K; ..... **Petcov, ST** and 175 more	Review of Particle Physics	Journal of Physics G-Nuclear and Particle Physics, vol. 37, art No 075021	2010	INRNE	**4458**
6	Patrignani, C …. **Petcov, ST** and 220 more	Review of Particle Physics Particle Data Group	Chinese Physics C, vol. 40, art. UNSP 100001	2016	INRNE	**3672**
7	Chatrchyan, S …. **Anguelov, T; Antchev, G; Atanasov, I; Damgov, J; Darmenov, N; Dimitrov, L; Genchev, V; Iaydjiev, P; Marinov, A; Piperov, S; Stoykova, S; Sultanov, G; Trayanov, R; Vankov, I; Aleksandrov, V** and 3084 more	The CMS Experiment at the CERN LHC	Journal of Instrumentation vol. 3, art. S08004	2008	INRNE, IR	**2149**

8	**Atanassov, K; Gargov, G**	Interval Valued Intuitionistic Fuzzy-Sets	Fuzzy Sets and Systems, vol. 31, p. 343	1989	IBBE	**1617**
9	**Velikova, V.; Yordanov, I.; Edreva, A**	Oxidative Stress and Some Antioxidant Systems in Acid Rain-treated Bean Plants - Protective Role of Exogenous Polyamines	Plant Science, vol. 151, p. 59	2000	IPFG	**1476**
10	McClusky, S; Balassanian, S; Barka, A; Demir, C; Ergintav, S; **Georgiev, I.;** Gurkan, O; Hamburger, M; Hurst, K; Kahle, H; Kastens, K; Kekelidze, G; King, R; **Kotzev, V;** Lenk, O; Mahmoud, S; Mishin, A; Nadariya, M; Ouzounis, A; Paradissis, D; Peter, Y; Prilepin, M; Reilinger, R; Sanli, I; Seeger, H; Tealeb, A; Toksöz, MN; Veis, G.	Global Positioning System Constraints on Plate Kinematics and Dynamics in the Eastern Mediterranean and Caucasus	Journal of Geophysical Research: Solid Earth vol. 105, p. 5695	2000	NIGGG	**1352**
11	Tanabashi, M .... **Petcov, ST** and 225 more	Review of Particle Physics. Particle Data Group	Physical Review D, vol. 98, art. No 030001	2018	INRNE	**1155**
12	Ackermann, W; .... **Tsakov, I** and 152 more	Operation of a Free-electron Laser from the Extreme Ultraviolet to the Water Window	Nature Photonics, vol. 1, p. 336	2007	INRNE	**1065**
13	Schael, S …. **Shivarov N.; Stoyanov B.; Sultanov G.** and 2508 more	Precision Electroweak Measurements on the Z Resonance	Physics Reports - Review Section of Physics Letters, vol. 427, p. 257	2006	IR	**977**
14	**Hadjiivanov, KI**	Identification of Neutral and Charged NxOy Surface Species by IR Spectroscopy	Catalysis Reviews - Science and Engineering, vol. 42, p. 71	2000	IGIC	**923**
15	Baker, CA; Doyle, DD; Geltenbort, P;Green, K; Van Der Grinten, MGD; Harris, PG; Iaydjiev, P; **Ivanov, SN;** May, DJR; Pendlebury, JM; Richardson, JD; Shiers, D; Smith, KF	Improved Experimental Limit on the Electric Dipole Moment of the Neutron	Physical Review Letters, vol. 97, art. 131801	2006	INRNE	**862**
16	Chatrchyan, S; .... **Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vutova, M** and 2235 more	Search for large extra dimensions in dimuon and dielectron events in pp collisions at $\sqrt{s} = 7$ TeV	Physics Letters B, vol. 711, p. 15	2012	INRNE	**831**
17	Koleva, II; van Beek, TA; Linssen, JPH; de Groot, A; **Evstatieva, LN**	Screening of Plant Extracts for Antioxidant Activity: a Comparative Study on Three Testing Methods	Phytochemical Analysis, vol. 13, p. 8	2002	IBER	**828**
18	Klein Tank, AMG; Wijngaard, JB; Können, GP; Böhm, R; Demarée, G; **Gocheva, A;** Mileta, M; Pashiardis, S; Hejkrlik, L; Kern-Hansen, C; Heino, R; Bessemoulin, P; Müller-Westermeier, G; Tzanakou, M;Szalai, S; Pálsdóttir, T; Fitzgerald, D; Rubin, S; Capaldo, M; Maugeri, M; Leitass, A;	Daily Dataset of 20^{th}-century Surface Air Temperature and Precipitation Series for the European Climate Assessment	International Journal of Climatology, vol. 22, p. 1441	2002	NIMH	**825**

	Bukantis, A; Aberfeld, R; Van Engelen, AFV; Forland, E; Mietus, M; Coelho, F; Mares, C; Razuvaev, V; Nieplova, E; Cegnar, T; Antonio López, J; Dahlström, B; Moberg, A; Kirchhofer, W; Ceylan, A; Pachaliuk, O; Alexander, LV; Petrovic, P.					
19	**Angelova, MI; Dimitrov, DS**	Liposome Electroformation	Faraday Discussions, vol. 81, p. 303	1986	IBBE	**819**
20	**Todorov, T; Nikolova, L; Tomova, N**	Polarization Holography 1. A New High-Efficiency Organic Material with Reversible Photoinduced Birefringence	Applied Optics vol. 23, p. 4309	1984	IOMT	**798**
21	**Vassilev, SV;** Baxter, D; Andersen, LK; **Vassileva, CG**	An Overview of the Chemical Composition of Biomass	Fuel, vol. 89, p. 913	2010	IMC	**790**
22	**Kashchiev, D**	Nucleation, Basic Theory with Applications	Book, Butterworth-Heinemann, Oxford, UK	2000	IPC	**728**
23	**Koynova, R;** Caffrey, M	Phases and Phase Transitions of the Phosphatidylcholines	Biochimica et Biophysica Acta - Reviews on Bio-membranes, vol. 1376, p. 91	1998	IBBE	**723**
24	Aad, G … **Aleksandrov, A; Genchev, V; Hadjiiska, R; Iaydjiev, P; Marinov, A; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Vutova, M** and 5143 more	Combined Measurement of the Higgs Boson Mass in pp Collisions at √s =7 and 8 TeV with the ATLAS and CMS Experiments	Physical Review Letters, vol. 114, art. 191803	2015	INRNE	**722**
25	**Gospodinova, N; Terlemezyan, L**	Conducting Polymers Prepared by Oxidative Polymerization: Polyaniline	Progress in Polymer Science, vol. 23, p. 1443	1998	IP	**715**
26	**Hadjiivanov, KI;** Vayssilov, GN	Characterization of Oxide Surfaces and Zeolites by Carbon Monoxide as an IR Probe Molecule	Advances in Catalysis vol. 47, p. 307	2002	IGIC	**711**
27	**Alexieva, V;** Sergiev, I; Mapelli, S; **Karanov, E**	The Effect of Drought and Ultraviolet Radiation on Growth and Stress Markers in Pea and Wheat	Plant Cell and Environment, vol. 24, p. 1337	2001	IPFG	**702**
28	**Atanassov, KT**	More on Intuitionistic Fuzzy Sets	Fuzzy Sets and Systems, vol. 33, p. 37	1989	IBBE	**702**
29	Burkhard, B; Kroll, F; **Nedkov, S;** Muller, F	Mapping Ecosystem Service Supply, Demand and Budgets	Ecological Indicators, vol. 21, p. 17	2012	NIGGG	**698**
30	**Bankova, VS;** de Castro, SL; Marcucci, MC	Propolis: Recent Advances in Chemistry and Plant Origin	Apidologie, vol. 31, p. 3	2000	IOCCP	**694**
31	**Vitanov, NV;** Halfmann, T; Shore, BW; Bergmann, K	Laser-induced Population Transfer by Adiabatic Passage Techniques	Annual Review of Physical Chemistry, vol. 52, p. 763	2001	ISSP	**689**

32	Bayatian, GL; ..... **Anguelov, J; Antchev, G; Atanasov, I; Damgov, J; Darmenov, N; Dimitrov, L; Genchev, V; Iaydjiev, P; Panev, P; Piperov, S; Stoykova, S; Sultanov, G; Vankov, I.** and 1996 more	CMS Physics Technical Design Report, Volume II: Physics Performance	Journal of Physics G: Nuclear and Particle Physics, Vol. 34, p. 995	2007	INRNE	**658**
33	**Kujumgiev, A; Tsvetkova, I; Serkedjieva, Y; Bankova, V; Christov, R; Popov, S**	Antibacterial, Antifungal and Antiviral Activity of Propolis of Different Geographic Origin	Journal of Ethnopharmacology, vol. 64, p. 235	1999	IMb, IOCCP	**654**
34	**Angelova, MI**; Soléau, S.; Méléard, P; Faucon, F; Bothorel, P	Preparation of Giant Vesicles by External AC Electric-fields-Kinetics and Applications	Progress in Colloid & Polymer Science, vol. 89, p. 127	1992	IBBE	**620**
35	**Dimitrov, I;** Trzebicka, B; Muller, AHE; Dworak, A; **Tsvetanov, CB**	Thermosensitive Water-soluble Copolymers with Doubly Responsive Reversibly Interacting Entities	Progress in Polymer Science, vol. 32, p. 1275	2007	IP	**587**
36	Machado, JT; **Kiryakova, V;** Mainardi, F	Recent History of Fractional Calculus	Communications in Nonlinear Science and Numerical Simulation, vol. 16, p. 1140	2011	IMI	**577**
37	Bilenky, SM; **Petcov**, **ST**	Massive Neutrinos and Neutrino Oscillations	Reviews of Modern Physics, vol. 59, p. 671	1987	INRNE	**567**
38	Schael, S; …. **Shivarov N; Stoyanov B; Sultanov G** and 1208 more	Search for Neutral MSSM Higgs Bosons at LEP	European Physical Journal C, vol. 47, p. 547	2006	IR	**557**
39	Loreto, F; **Velikova, V**	Isoprene Produced by Leaves Protects the Photosynthetic Apparatus Against Ozone Damage, Quenches Ozone Products, and Reduces Lipid Peroxidation of Cellular Membranes	Plant Physiology, vol. 127, p. 1781	2001	IPFG	**551**
40	Adeva, B …. **Angelov, AM; Angelov, TH; Antchev, GH; Antonov, L; Dimitrov, HA; Ayranov, OL; Filipov, GA; Krastev, VR** and 588 more	The Construction of the L3 Experiment	Nuclear Instruments & Methods in Physics, vol. 289, p. 35	1990	INRNE	**540**
41	Patel, A; Lee, H; Jawerth, L; Maharana, S; Jahnel, M; Hein, M; **Stoynov, S;** Mahamid, J; Saha, S; Franzmann, T; Pozniakovski, A; Poser, I; Maghelli, N; Royer, L; Weigert, M; Myers, E; Grill, S; Drechsel, D; Hyman, A; Alberti, S	A Liquid-to-Solid Phase Transition of the ALS Protein FUS Accelerated by Disease Mutation	Cell, vol. 162, p. 1066	2015	IMB	**496**
42	Actis, M …. **Maneva G.; Bonev J.; Dimitrov D.** and 668 more	Design Cconcepts for the Cherenkov Telescope Array CTA: an Advanced	Experimental Astronomy, vol. 32, p. 193	2011	INRNE, IANAO	**492**

		Facility for Ground-based High-energy γ-Ray Astronomy				
43	**Stoykova, A**., Gruss, P	Roles of Pax-genes in Developing and Adult Brain as Suggested by Expression Patterns	Journal of Neuroscience, vol. 14, p. 1395	1994	IMb	**492**
44	Rosso, OA; Blanco, S; **Yordanova, J; Kolev, V;** Figliola, A; Schurmann, M; Basar, E	Wavelet Entropy: a New Tool for Analysis of Short Duration Brain Electrical Signals	Journal of Neuroscience Methods, vol. 105, p. 65	2001	IPFG	**485**
45	**Hadjiivanov, KI; Klissurski, DG**	Surface Chemistry of Titania (Anatase) and Titania-supported Catalysts	Chemical Society Reviews, vol. 25, p. 61	1996	IGIC	**484**
46	Chatrchyan, S .... **Genchev, V; Iaydjiev, P; Piperov, P; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vutova, M** and 2261 more	Combined Results of Searches for the Standard Model Higgs Boson in pp Collisions at $\sqrt{s}$ = 7 TeV	Physics Letters B, vol. 710, p. 26	2012	INRNE	**477**
47	Chatrchyan, **S .... Darmenov, N; Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Stoykova, S; Sultanov,G; Tcholakov, V; Trayanov, R** and 2012 more	Determination of Jet Energy Calibration and Transverse Momentum Resolution in CMS	Journal of Instrumentation, vol. 6, art. No P11002	2011	INRNE	**467**
48	**Mintova, S;** Olson, NH; **Valtchev, V;** Bein, T	Mechanism of Zeolite A Nanocrystal Growth from Colloids at Room Temperature	Science, vol. 283, p. 958	1999	IMC	**467**
49	Kazakov, VA; **Kostov, IK;** Migdal, AA	Critical Properties of Randomly Triangulated Planar Random Surfaces	Physics Letters B, vol. 157, p. 295	1985	INRNE	**463**
50	Bilenky, SM; Hošek, J; **Petcov, ST**	On the Oscillations of Neutrinos with Dirac and Majorana Masses	Physics Letters B, vol. 94, p. 495	1980	INRNE	**452**
51	Chatrchyan, S ….. **Darmenov, N; Dimitrov, L; Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vankov, I** and 2134 more	Observation and Sstudies of Jet Quenching in PbPb Collisions at $\sqrt{S_{NN}}$ = 2.76 TeV	Physical Review C, vol. 84, pap. 024906	2011	INRNE	**444**
52	**Atanassov, KT**	New Operations Defined over the Intuitionistic Fuzzy Sets	Fuzzy Sets and Systems, vol. 61, p. 137	1994	IBBE	**443**
53	**Kiryakova, VS**	Generalized fractional calculus and applications	Pitman Res Notes Mat, John Wiley & Sons, New York.	1994	IMI	**441**
54	Balaz, P; Achimovicova, M; Balaz, M; Billik, P; **Cherkezova-Zheleva, Z;** Criado, JM; Delogu, F; Dutkova, E; Gaffet, E; Gotor, FJ; Kumar, R; **Mitov, I;** Rojac, T; Senna, M; Streletskii, A; Wieczorek-Ciurowa, K	Hallmarks of Mechanochemistry: From Nanoparticles to Technology	Chemical Society Reviews, vol. 42, p. 7571	2013	IC	**436**
55	Aaron, FD …. **Tsakov, I** and 540 more	Combined Measurement and QCD Analysis of the Inclusive $e^{\pm}p$ Scattering Cross Sections at HERA	Journal of High Energy Physics, vol. 2010, p. 109	2010	INRNE	**429**

56	Aurbach, D; Markovsky, B; Salitra, G; Markevich, E; Talyossef, Y; Koltypin, M; Nazar, L; Ellis, B; **Kovacheva, D**	Review on Electrode-Electrolyte Solution Interactions, Related to Cathode Materials for Li-ion Batteries	Journal of Power Sources, vol. 165, p. 491	2007	IGIC	**424**
57	Khachatryan, V .... **Darmenov, N; Dimitrov, L; Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G.; Tcholakov, V.; Trayanov, R.; Vankov, I** and 2152 more	Observation of Long-range, Near-side Angular Correlations in Proton-Proton Collisions at the LHC	Journal of High Energy Physics, art. No 091	2010	INRNE	**420**
58	**Atanassov, KT**	Operators over Interval Valued Intuitionistic Fuzzy Sets	Fuzzy Sets and Systems, vol. 64, p. 159	1994	IBBE	**413**
59	Aad, G .... **Aleksandrov, A; Hadjiiska, R; Iaydjiev, P; Rodozov, M; Stoykova, S; Sultanov, G; Vutova, M** and 5105 more	Measurements of the Higgs Boson Production and Decay Rates and Constraints on its Couplings From a Combined ATLAS and CMS Analysis of the LHC pp Collision Data at √S = 7 and 8 TeV	Journal of High Energy Physics, art. No 045	2016	INRNE	**411**
60	Netzeva, TI; Worth, AP; Aldenberg, T; Benigni, R; Cronin, MTD; Gramatica, P; Jaworska, JS; Kahn, S; Klopman, G; Marchant, CA; Myatt, G; **Nikolova-Jeliazkova, N;** Patlewicz, GY; Perkins, R; Roberts, DW; Schultz, TW; Stanton, DT; van de Sandt, JJM; Tong, WD; Veith, G; Yang, CH	Current Status of Methods for Defining the Applicability Domain of (Quantitative) Structure-Activity Relationships - The Report and Recommendations of ECVAM Workshop 52	ATLA - Alternatives to Laboratory Animals, vol. 33, p. 155	2005	IICT	**411**
61	Chatrchyan, S …. **Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vutova, M** and 2183 more	Observation of Long-range, Near-Side Angular Correlations in pPb Collisions at the LHC	Physics Letters B, vol. 718, p. 795	2013	INRNE	**405**
62	Khachatryan, V .... **Aleksandrov, A; Genchev, V; Hadjiiska, R; Iaydjiev, P; Marinov, A; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Vutova, M** and 2141 more	Precise Determination of the Mass of the Higgs Boson and Tests of Compatibility of Its Couplings with the Standard Model Predictions Using Proton Collisions at 7 and 8 TeV	European Physical Journal C, vol. 75, art. No UNSP 212	2015	INRNE	**403**
63	Khachatryan, V …. **Darmenov, N; Dimitrov, L; Genchev, V; Iaydjiev, P; Piperov, S; Stoykova, S; Sultanov, G; Trayanov, R.; Vankov, I**. and 2061 more	Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in pp Collisions at √s = 7 TeV	Physical Review Letters, vol. 105, art. 022002	2010	INRNE	**397**
64	Harris, PG; Baker, CA; Green, K; **Iaydjiev, P;** Ivanov, S; May, DJR; Pendlebury, JM; Shiers, D; Smith, KF; Van Der Grinten, M; Geltenbort, P	New Experimental Limit on the Electric Dipole Moment of the Neutron	Physical Review Letters, vol. 82, p. 904	1999	INRNE	**397**
65	Chatrchyan, S .... **Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vutova, M** and 2280 more	Performance of CMS Muon Reconstruction in pp Collision Events at √S = 7 Tev	Journal of Instrumentation, vol. 7, art. No P10002	2012	INRNE	**391**

66	**Popov, E;** Nevière, M; Enoch, S; Reinisch, R	Theory of Light Transmission through Subwavelength Periodic Hole Arrays	Physical Review B - Condensed Matter and Materials Physics, vol. 62, p. 16100	2000	ISSP	**389**
67	**Dimitrov, LI**	Mud Volcanoes - The Most Important Pathway for Degassing Deeply Buried Sediments	Earth Science Reviews, vol. 59, p. 49	2002	IO	**386**
68	Georgiev, V; **Todorova, G**	Existence of a Solution of the Wave-Equation with Nonlinear Damping and Source Terms	Journal of Differential Equations, vol. 109, p. 295	1994	IMI	**384**
69	Fernandes, P; Cruz, A; **Angelova, B;** Pinheiro, HM; Cabral, JMS	Microbial Conversion of Steroid Compounds: Recent Developments	Enzyme and Microbial Technology, vol. 32, p. 688	2003	IMb	**374**
70	Chatrchyan, S; .... **Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vutova, M** and 2257 more	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}}$ = 2.76 TeV	European Physical Journal C, vol. 72, art. No 2012	2012	INRNE	**373**
71	Chatrchyan, S; .... **Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vutova, M** and 2281 more	Identification of b-Quark Jets with the CMS Experiment	Journal of Instrumentation, vol. 8, art. No P04013	2013	INRNE	**370**
72	Chatrchyan, S .... **Genchev, V; Iaydjiev, P; Marinov, A; Piperov, S; Rodozov, M; Sultanov, G; Vutova, M** and 2455 more	Measurement of the Properties of a Higgs Boson in the Four-Lepton Final State	Physical Review D, Vol. 89, art. No 092007	2014	INRNE	**369**
73	Boccuzzi, F; Chiorino, A; Manzoli, M; **Andreeva, D; Tabakova, T**	FTIR Study of the Low-temperature Water-gas Shift Reaction on Au/Fe_2O_3 and Au/TiO_2 Catalysts	Journal of Catalysis, vol. 188, p. 176	1999	IC	**369**
74	**Andreeva, D; Idakiev, V; Tabakova, T; Ilieva, L;** Falaras, P; Bourlinos, A; Travlos, A	Low-temperature Water-gas Shift Reaction over Au/CeO_2 Catalysts	Catalysis Today, vol. 72, p. 51	2002	IC	**365**
75	**Vitanov, NV;** Fleischhauer, M; Shore, BW; Bergmann, K	Coherent Manipulation of Atoms and Molecules by Sequential Laser Pulses	Advances in Atomic, Molecular, and Optical Physics, vol. 46, p. 55	2001	ISSP	**361**
76	Jaworska, J; **Nikolova-Jeliazkova,** N; Aldenberg, T	QSAR Applicability Domain Estimation by Projection of the Training Set in Descriptor Space: A Review	Atla-Alternatives to Laboratory Animals, vol. 33, p. 445	2005	IICT	**360**
77	Faulkner, KM; **Liochev, SI**; Fridovich, I	Stable Mn(III) Porphyrins Mimic Superoxide Dismutase in Vitro and Substitute for It in Vivo	Journal of Biological Chemistry, vol. 269, p. 23471	1994	IPFG	**358**
78	**Yordanov, I; Velikova, V; Tsonev, T**	Plant Responses to Drought, Acclimation, and Stress Tolerance	Photosynthetica, vol. 38, p. 171	2000	IPFG	**349**
79	**Liochev, SI**; Fridovich, I	The Role of $O_2^{\cdot -}$ in the Production of HO·: In-vitro and In-vivo	Free Radical Biology and Medicine, vol. 16, p. 29	1994	IPFG	**349**

80	**Kashchiev, D.**	Solution of the Non-steady State Problem in Nucleation Kinetics	Surface Science, vol. 14, p. 209	1969	IPC	**347**
81	Acharya, BS .... **Dimitrov, D; Maneva, G.; Vankov, H.** and 972 more	Introducing the CTA Concept	Astroparticle Physiscs, vol. 43, p. 3	2013	INRNE, IANAO	**345**
82	Albert, J. …. **Maneva, GT; Temnikov, PT; Vankov, HT** and 140 more	Variable Very High Energy γ-Ray Emission from Markarian 501	Astrophysical Journal, vol. 669, p. 862	2007	INRNE	**342**
83	Arabatzis, IM; Stergiopoulos, T; **Andreeva, D; Kitova, S;** Neophytides, SG; Falaras, P	Characterization and Photocatalytic Aactivity of Au/TiO_2 Thin Films for Azo-dye Degradation	Journal of Catalysis, vol. 220, p. 127	2003	IC, IOMT	**342**
84	Cuddy, AJC; Amy JC; Fiske, ST; Kwan, VSY; Glick, P; Demoulin, S; Leyens, JP; Bond, MH; Croizet, JC; Ellemers, N; Sleebos, E; Htun, TT; Kim, HJ; Maio, G; Perry, J; **Petkova, K; Todorov, V**; Rodriguez-Bailon, R; Morales, E; Moya, M; Palacios, M; Smith, V; Perez, R; Vala, J; Ziegler, R	Stereotype Content Model Across Cultures: Towards Universal Similarities and Some Differences	British Journal of Social Psychology, Vol. 48, p. 1	2009	ISSK	**340**
85	**Vassilev, SV;** Baxter, D; Andersen, LK; **Vassileva, CG;** Morgan, TJ	An Overview of the Organic and Inorganic Phase Composition of Biomass	Fuel, vol. 94, p. 1	2012	IC	**339**
86	Zadrozny, JM; Xiao, DJ; **Atanasov, M;** Long, GJ; Grandjean, F; Neese, F; Long, JR	Magnetic Blocking in a Linear Iron(I) Complex	Nature Chemistry, vol. 5, p. 577	2013	IGIC	**337**
87	Agostinelli, G; Delabie, A; **Vitanov, P; Alexieva, B.;** Dekkers, HFW; De Wolf, S; Beaucarne, G	Very Low Surface Recombination Velocities on p-Type Silicon Wafers Passivated with a Dielectric with Fixed Negative Charge	Solar Energy Materials and Solar Cells, Vol. 90, p. 3438	2006	CLSENES	**337**
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[a] Abbreviation:
CLSENES – Central Laboratory for Solar Energy and New Energy Sources
IANAO – Institute of Astronomy and National Astronomical Observatory
IBBE – Institute of Biophysics and Biomedical Engineering
IBER – Institute of Biodiversity and Ecosystem Research
IC – Institute of Catalysis
ICAWR – Institute for Climate, Atmosphere and Water Research
IE – Institute of Electronics
IEES – Institute of Electrochemistry and Energy Systems "Academician Evgeni Budevski"
IEMPAM – Institute of Experimental Morphology, Pathology and Anthropology with Museum
IGIC – Institute of General and Inorganic Chemsitry
IICT – Institute of Information and Communication Technologies
IMb – "Stephan Angeloff" Institute of Microbiology
IMB – Institute of Molecular Biology "Academician Roumen Tsanev"
IMC – Institute of Mineralogy and Crystallography "Academician Ivan Kostov"
IMech – Institute of Mechanics

IMI – Institute of Mathematics and Informatics
INRNE – Institute for Nuclear Research and Nuclear Energy
IO – Institute of Oceanology “Professor F. Nansen”
IOCCP – Institute of Organic Chemistry with Centre of Phytochemistry
IOMT – Institute of Optical Materials and Technologies “Academician Jordan Malinovski”
IP – Institute of Polymers
IPC – Institute of Physical Chemistry “Academician Rostislaw Kaischew”
IPFG – Institute of Plant Physiology and Genetics
ISSK – Institute for the Study of Societies and Knowledge
ISSP – Institute of Solid State Physics “Academician Georgi Nadzhakov”
NIGGG – National Institute of Geophysics, Geodesy and Geography
NIMH – National Institute of Meteorology and Hydrology