

Всички цитати (първа част - на научни публикации)

- **Звено:** (ИИКТ) Институт по информационни и комуникационни технологии
- **Секция:** (ИИКТ) Паралелни алгоритми и машинно обучение с Лаборатория по Невро-технологии
- **Име:** (ИИКТ/0034) Фиданова, Стефка Стоянова
- **Година:** 1990 ÷ 2024
- **Тип записи:** Всички записи

Брой цитирани публикации: 146

Брой цитиращи източници: 1387

Коригиран брой: 1387.000

1991

1. **Fidanova S.** The Mapping of Algorithms on Linear Systolic Array. Int. Conf of Parallel and Distributed Processing, Elsevier Science Publishers, 1991, ISBN:0-444-89157-9, 285-292

Цитирана се е:

1. Reski T. (1999). Mapping and Parallel Distributed Simulation of Neural Networks on Message Passing Multiprocessors. PhD Thesis, @1999 1.000

1992

2. Aleksandrov V., **Fidanova S.** On the Average Execution Time for a Special Class of non Uniform Recurrence Equations on Linear Systolic Array. Numerical Methods and Applications, IOS Press Amsterdam, 1992, 144-152

Цитирана се е:

2. Reski T. (1999), Mapping Parallel and Distributed Simulations of Neural Networks on Message Passing Multiprocessors, PhD Thesis., @1999 1.000

1993

3. Aleksandrov V., **Fidanova S.** On the Expected Execution Time for a Class of non Uniform Recurrence equation mapped onto 1D Regular Array. Parallel Algorithms and Applications, 1, 4, Taylor & Francis, 1993, ISSN:1063-7192, DOI:10.1080/10637199308915449, 303-314

Цитирана се е:

3. Andonov R. & S. Rajopadhye (1994). An Optimal Algo-Tech-Cuit for the Knapsack Problem. Int. Conf on Application Specific Array Processors, L. Dadda & B. Wah eds., IEEE Computer Society Press, pp. 548-559., @1994 1.000
4. Andonov R. & S. Rajopadhye (1997). Knapsack on VLSI: From Algorithm to Optimal Circuit. IEEE Transaction on Parallel and Distributed Systems, Vol.8, No 6, @1997 1.000
5. Goldman A. & D. Trystram (1997). An Efficient Parallel Algorithms for Solving the Knapsack Problem on Hypercube. In 11th International Parallel Processing Symposium, Geneva, Switzerland, pp. 608-615, @1997 1.000
6. Goldman A. (1997) An Efficient Parallel Algorithm for Solving the Knapsack Problem on Hypercube, 11th Int. Parallel Processing Symposium., @1997 1.000
7. Goldman A. (1999). Impact des Modeles d'Execution pour l'Ordonnancement en Calcul Parallel. PhD Thesis., @1999 1.000
8. Regis de Arruda F. & A. Goldman (2002). Eliminação Paralela de Termos Dominantes no Problema da Mochila. Workshop de Sistemas Computacionais de Alto Desempenho, Vitória., @2002 1.000
9. Goldman A. & D. Trystram (2004). Efficient Paralel Algorithm for Solving the Knapsack Problem on Hypercube. Journal of Parallel and Distributed Computing, Vol 64(11), pp. 1213 – 1222., @2004 1.000
10. Regis de Arruda F. (2004) Una proposta de Eliminação u Paralela para o Problema da Mochila Ilimitada, PhD thesis, Instituto de São Paulo., @2004 1.000
11. Padmavathi S., Mercy Shaline S. (2007). Analyzing Time Complexity of Parallel Algorithms for Knapsack Problem, In proc of Int. Conf. on Signal Processing Communications and Networking, pp. 218-221., @2007 1.000

12. Quan D.M., Yang L.T., (2009) Solving 0/1 knapsack problem for light communication SLA-based workflow mapping using CUDA, In **1.000** Proceedings - 12th IEEE International Conference on Computational Science and Engineering, CSE 2009, Volume 1, 2009, Article number 5282978, Pages 194-200., **@2009**

1994

4. Aleksandrov V., **Fidanova S.** Non Uniform Recurrence Equations on 2D regular Array. Advances in Numerical Methods and Applications, World Scientific, 1994, ISBN:978-981-4550-28-4, DOI:https://doi.org/10.1142/9789814533751_217-225

Цитира се е:

13. Goldman A. (1997) An Efficient Parallel Algorithm for Solving the Knapsack Problem on Hypercube, 11th Int. Parallel Processing **1.000** Symposium., **@1997**
14. Goldman A. & D. Trystram (2002). Efficient Paralel Algorithm for Solving the Knapsack Problem on Hypercube. Journal of Parallel and **1.000** Distributed Computing, **@2002**
15. Regis de Arruda F. & A. Goldman (2002). Eliminação Paralela de Termos Dominantes no Problema da Mochila. Workshop de Sistemas **1.000** Computacionais de Alto Desempenho, Vitória, **@2002**
16. Regis de Arruda F. (2004) Uma proposta de Eliminação u Paralela para o Problema da Mochila Ilimitada, PhD thesis, Instituto de São **1.000** Paulo., **@2004**

1997

5. **Fidanova S.** Linear Array for Spelling Correction. Concurrency and Computation: Practice and Experience, 9, Wiley, 1997, ISSN:ISSN: 1532-0634, DOI:10.1002/(SICI)1096-9128(199710)9:103.0.CO;2-L, 976-983. JCR-IF (Web of Science):0.997

Цитира се е:

17. Muller K. L. (1999), Treating "KRE-8-IVE" Spelling for Natural language Processing, PhD thesis, Simon Fraser University, Canada., **@1999 1.000**

1999

6. Faure C., Dutto P., **Fidanova S.** Odysee and parallelism : Extention and Validation., European Conf. on Numerical mathematics and Advanced Applications, World Scientific, 1999, 478-485

Цитира се е:

18. Hascoet L. (2005) Analysis and Transformations of Programs: from Parallelization to Differentiation, Habilitation a diriger de recherches, INRIA **1.000** Sophia-Antipolis., **@2005**
19. Naumann U., Hascoet L., Hill C., Hovland P., Reihme J., Utke J., (2008), A framework for proving correctness of adjoint message-passing **1.000** programme, LNCS No 5205, Springer, Germany, pp. 316-321., **@2008**
20. Utke, J., Hascoet, L., Heimbach, P., Hill, C., Hovland, P., Naumann, U., (2009) Toward adjoinable MPI, IPDPS 2009 - Proceedings of the **1.000** 2009 IEEE International Parallel and Distributed Processing Symposium, DOI: 10.1109/IPDPS.2009.5161165, **@2009**
21. Towara M., Schanen M., Naumann U., MPI-parallel discrete adjoint OpenFOAM, Pcedia Computer Science Vol. 51(1), ISSN 1877-0509, **1.000** Elsevier, 2015, pp. 19-28, **@2015**

2002

7. **Fidanova S.** ACO Algorithm with Additional Reinforcement. Lecture Notes in Computer Science, 2463, Springer, 2002, ISBN:978-354045724-4, ISSN:03029743, DOI:10.1007/3-540-45724-0_31, 292-293. SJR (Scopus):0.339

Цитира се е:

22. Saleh H. A., (2003) An Artificial Intelligent design for GPS Surveying Networks. Journal of GPS Solutions. Vol.7(2), pp. 101-108, **@2003 1.000**
23. Singh G., Das S., Gosavi S. and Pujar S.(2003) Ant Colony Algorithms for Steiner Trees: An Appliation to Routing in Sensor Networks'. in **1.000** Recent Developements in Biologically Inspired Computing, L. N. de Castro and F. J. Zuben eds., Idea Group Inc. (IGI), **@2003**
24. Kötter Ph., Betriebswirtschaftliche Anwendungen für Ameisen-Systeme, PhD Thesis, Univ. Bielefeld, Germany, 2004., **@2004 1.000**
25. Svenson P., Martenson Ch., Sidenbaldh H., Malm M., (2004) Swarm Inteligence for Logistics : Background, FOI Sweden Defence Research **1.000** Agency, ISSN 1656-1942., **@2004**
26. Hao Z-F, Cai R-C, Huang H (2006) An Adaptive Parameter Control Strategiy for ACO, In Proc of Int. Conf on Machine Learning and **1.000** Cybernetics Volume 2006, Article number 4028059, pp. 203-206., **@2006**

27. Hao Z., Huang H., Zhang X., Tu K. (2006) A Time Complexity Analysis of ACO for Linear Function, LNCS Vol. 4247, pp. 513-520., @2006 1.000
 28. Huang H., Hao Z., (2006) An ACO Algorithm with bi-directional search rule, Dynamics and Continuous Discrete and Impulsive Systems, Series B – Applications and Algorithms, Vol. 13, pp. 71-75., @2006 1.000
 29. Huang H., Yang X., Hao Z., Cai R. (2006) A Novel ACO Algorithm with Adaptive Parameter, LNCS Vol. 4115, LNBI-III, pp. 12-21., @2006 1.000
 30. Mavromoustakis C., Karatza H. (2006) Active Tunable Routing for Overhead Reduction in Multiservice Networks, 39th Annual Simulation Symposium ANSS'06, pp. 294-303., @2006 1.000
 31. Cai Z.Q., (2008) Multi-direction Searching Ant Colony Optimization for Traveling Salesman Problems, Int. Conf. on Computational Intelligence and Security, pp. 783-786., @2008 1.000
 32. Zhifeng Hao, Han Huang and Ruihu Cao, (2008) Bio-inspired Algorithms for TSP and Generalized TSP, Chapter 2 in Traveling Salesman Problem, IN-TECH Pub., pp. 45 – 72., @2008 1.000
 33. 12. Atanassova V., Изследване на алгоритми за конструиране на обобщено мрежови модели, PhD Thesis, Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, 2013., @2013 1.000
- 8. Fidanova S.** Evolutionary Algorithm for Multiple Knapsack Problem. Parallel Problems Solving From Nature, Real World Optimization Using Evolutionary Computing, 2002, ISBN:0-9543481-0-9
- Цитирани са:
34. Rodrigues A., (2003) Application of Ant Colony Optimization to Data Distribution in Processor in Memory Systems. in proceedings of 7th SWARM conference swarmfest'2003, University of Notre Dame USA, April 13-15 2003, @2003 1.000
 35. Alaya I., Solon Ch., Ghedira K., (2004) Ant Algorithm for the Multidimensional Knapsack Problem, In. Conf on Bioinspired Optimization Methods and their Application BIOMA 2004., @2004 1.000
 36. Alaya I., Solon Ch., Ghedira K., (2004), Algorithm des Fourmis pour le sac a dos multidimensionnel, In proc. of FRANCO'04, 18-21 August, Fribourg, Switzerland., @2004 1.000
 37. Alaya I., Solon Ch., Ghedira K. (2005) Algorithm Fourmis avec Differentes Strategies Pheromonaes pour le Sac-a-Dos Multidimensionnel, MHOSI'2005., @2005 1.000
 38. Gong W., Wenrur G., Kasten R. (2005), Instruction Scheduling Using MAX-MIN Ant System Optimization, In proc. of GLSVLSI'05, April 17-19, Chicago, Illinois, USA., @2005 1.000
 39. Scheuermann B. (2005), Ant Colony Optimization on Runtime Reconfigurable Architectures, PhD thesis, Karlsruhe., @2005 1.000
 40. Wang G., Gong W., Kastner R. (2005) Instruction Scheduling Using MAX-MIN Ant System Optimization, In Proc of 15th ACM Great Lakes Symposium on VLSI, pp. 44 – 49., @2005 1.000
 41. Gang W., Wenrur G., Kasten R. (2004), Application Partitioning on Programable Platforms Using the Ant Colony Optimization, J. Embedded Computing, Vol. 2(1), 2006, pp. 119-136., @2006 1.000
 42. Kong M., Taian P (2006) A new Ant Colony Optimization Applied for the Multidimensional Knapsack Problem, Simulated Evolution and learning, LNCS No 4247, pp. 142 – 149., @2006 1.000
 43. Kong M., Tian P. (2006) Introducing a Binary Ant Colony Optimization, LNCS Vol. 4150, pp. 444-451., @2006 1.000
 44. Min K., Peng T. (2006) A New Ant Colony Optimization Applied for the Multidimensional Knapsack Problem, LNCS Vol. 4247, pp. 142-149., @2006 1.000
 45. Gong W. (2007) Synthesizing Sequential Programs onto Reconfigurable Computing Systems, PhD thesis, University of California "Santa Barbara", @2007 1.000
 46. Kagiurov R. R. (2007) Multiple Knapsack Problem: New Methods for Solving, J. of Siberian Aerospace Univ. Vol 3, pp. 16 – 20., @2007 1.000
 47. Wang G. (2007) Ant Colony Metaheuristics for Fundamental Architectural Design Problems, PhD thesis, University of California "Santa Barbara", @2007 1.000
 48. Wang G., Gong W., DeRenzi B., Kastner R. (2006), Ant Colony Optimization for Resource and Timing Constrained Operation Scheduling, IEEE Transaction on Computer-aided Design of Integer Circuit and Systems, Vol 26(6), 2007, 1010-1029., @2007 1.000
 49. 19. Shah-Hosseini H., Intelligent water drops algorithm: A new optimization method for solving the multiple knapsack problem, J. Intelligent Computing and Cybernetics, Vol 1(2), ISSN:1756-378X, SJR 0.258, 2008, pp. 193-212., @2008 1.000
 50. Ju X. C., Zhang T. W., (2008), Improved Ant Algorithm for Multidimensional Knapsack Problem, Chinese Journal of Computers, Vol. 31(5), pp. 810 – 819., @2008 1.000
 51. Kong M., Taian P., Kao Y. (2008) A new Ant Colony Optimization Algorithm for the Multidimensional Knapsack Problem, J. Computers and Operational Research, Vol 35(8), pp. 2672 – 2683., @2008 1.000
 52. Nicolaevna N., Van Thanh, (2008) Bee Colony Algorithm for the Multidimensional Knapsack problem, Engineering and Computer Scientists, Lecture Notes in Engineering and Computer Science, Springer, Germany, pp. 84-88., @2008 1.000
 53. Aghalati O., Bonyadi M.R. (2009) DEM: A Discrete Electromagnetism-like Mechanism for Solving Discrete Problems, In Proc. of IEEE Int. Symposium on Computational Intelligence in Robotics and Automation, CIRA, pp. 120-125., @2009 1.000
 54. Djarallah N.B., Pouyllau H., (2009) Algorithms for SLA composition to provide inter-domain services, IFIP/IEEE International Symposium on Integrated Network Management, pp. 460-467., @2009 1.000

55. Mulati M.H. (2009) Investigao da meta-heuristica de optimizao por colonia de formigas arti_ciais aplicada ao problema de cobertura de conjunto, PhD these, Univsitada de Estudal de Maringa, Brazil., @2009 1.000
 56. Pouyllau, H., Djarallah, N.B, (2009) Distributed ant algorithm for inter-carrier service composition, In Proc. of IEEE Int Conf. Next Generation Internet Networks, NGI 2009, DOI: 10.1109/NGI.2009.5175759, pp. 1 – 8., @2009 1.000
 57. Al-Shihabi, Sameh, and Sigurdur Ólafsson. "A hybrid of Nested Partition, Binary Ant System, and Linear Programming for the multidimensional knapsack problem." Computers & Operations Research 37, no. 2 (2010): 247-255., @2010 1.000
 58. Sotelp-Figueroa M.A., Baltazar-Flores M.D.R., Carpio J.M., Zamudio V., (2010) A comparison between bee swarm optimization and greedy algorithm for the knapsack problem with bee reallocation, 9th Mexican Int. Conference on Artificial Intelligence: Advances in Artificial Intelligence and Applications, Pachuca, November 2010, pp. 22-27., @2010 1.000
 59. Sundar S., Singh A., Rossi A. (2010) An artificial bee colony algorithm for the 0-1 multidimensional knapsack problem, Contemporary Computing, Communications in Information Science, Vol 4, Part 3, Springer, Germany, ISSN 18650929, pp. 141 – 151., @2010 1.000
 60. Wei-Neng Chen; Jun Zhang; Chung, H.S.H.; Wen-Liang Zhong; Wei-Gang Wu; Yu-hui Shi; (2010) A Novel Set-Based Particle Swarm Optimization Method for Discrete Optimization Problems, IEEE Transaction on Evolutionary Computation, Vol 14 (2), ISSN: 1089-778X , pp. 278 – 300. (IF 4.589), @2010 1.000
 61. Abd-alsabour N., Moniem A., (2012) Applying Ant Colony Optimization on Optimization problems, In Proc of ISSR Annual Conference, 26-29 December 2011., @2011 1.000
 62. De Souza J.T., Maia C.L.B., Ferreira T.D.N., Cammo R.A.F.D., Brasil M.M.A. (2011) An ant colony optimization approach to the software realize planning with dependent requirements, Search Based Software Engineering, LNCS 6956, pp. 142 – 157., @2011 1.000
 63. Bonyadi, Mohammad Reza, and Xiaodong Li. "A new discrete electromagnetism-based meta-heuristic for solving the multidimensional knapsack problem using genetic operators." Operational Research 12(2), ISSN: 1109-2858 , (2012): 229-252., @2012 1.000
 64. Donziger M., Amaral Henrique M.A., (2012) Computational intelligence applied on cryptography: A brief review, IEEE Latin American Transactions, Vol 10(3), SJR 0.030, ISSN 1548-0992, pp. 1798 – 1810., @2012 1.000
 65. Kumaraguruparan, N., Sivaramakrishnan, H., Sapatnekar, S.S. (2012) Residential task scheduling under dynamic pricing using the multiple knapsack method, IEEE PES Innovative Smart Grid Technologies, ISGT 2012, Article number 6175656, Code89541., @2012 1.000
 66. Shelokar P., Ant colony system: Application for the single and multiobjective multidimensional knapsack problems, Heuristics: Theory and Applications, Chapter 8, Elsevier, 2013, pp. 325 – 344., @2013 1.000
 67. Lai, Guoming, Dehui Yuan, and Shenyun Yang. "A new hybrid combinatorial genetic algorithm for multidimensional knapsack problems." The Journal of Supercomputing Vol. 70(2), 2014, 930 – 945., @2014 1.000
 68. Khameis A., Rashed S., Abou-Elhour A., Tarique M., ZigBee Optimal Scheduling System for Home Appliances in the United Emirates, J. Network Protocols and Algorithms, Vol 7(2), ISSN 1943-3581, 2015, 60 – 79., @2015 1.000
 69. Nakbi, W., Alaya, I., & Zouari, W. (2015). A Hybrid Lagrangian Search Ant Colony Optimization Algorithm for the Multidimensional Knapsack Problem. Procedia Computer Science, 60, 1109-1119., @2015 1.000
 70. Singh, G. and Jain, L., Increasing Impact of ACO in solving Rectangular Packing Problems, International Journal of Recent Trends in Engineering & Researc, Vol. 2(5), ISSN: 2455-1457, 2016, 16-26., @2016 1.000
 71. 38. Mahan Mahruyean, A PROPOSAL FOR AN IMPROVED VERSION OF EIGENANT ALGORITHM WITH PERFORMANCE EVALUATION ON COMBINATORIAL OPTIMIZATION PROBLEMS, Instituto Alberto Luiz Coimbra de Pos-Graduacao e Pesquisa de Engenharia, UFRJ, Universidade Federal do Rio de Janeiro, Brasil. 2017. D.Sc. Thesis, @2017 [Link](#) 1.000
 72. El Motaki, S., Yahyaouy, A., Gualous, H. and Sabor, J., 2019. Comparative study between exact and metaheuristic approaches for virtual machine placement process as knapsack problem. The Journal of Supercomputing, pp.1-21., IF 2.157, @2019 [Link](#) 1.000
 73. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Link](#) 1.000
 74. Shewale A., Mokhadde A., Lipare A., Bokde N.D., Efficient Techniques for Residential Appliances Scheduling in Smart Homes for Energy Management Using Multiple Knapsack Problem (2023) Arabian Journal for Science and Engineering. IF 2.9 DOI: 10.1007/s13369-023-08178-w, @2023 [Link](#) 1.000
9. Hascoet L., Fidanova S., Held Ch.. Adjoining Independent Computations. Proceedings of 3rd International Conference on Automatic Differentiation: From Simulation to Optimization, Springer, 2002, 299-304
- Цитупа се е:
75. Faure Ch. (2002) Dérivation de Programme Assistée par Ordinateur, Habilitation a diriger de recherches, Université Nice – Sophia Antipolis, 90pp., @2002 1.000
 76. Bischof Ch.H., Bucker H.M., Rasch A., Slusanschi E., Evaluation of computer model for wavy falling films using EFCOSS, Computational Science and Its Applications—ICCSA, 2003, LNCS 2668. Springer Berlin Heidelberg, 2003. 78-84., @2003 1.000
 77. Courty F. (2003), Optimisation Differentiable en Mécanique des Fluides Numérique, PhD These, University of Orsay., @2003 1.000
 78. Griewank A., (2003) A Mathematical View of Automatic Differentiation, Acta Numerica, Cambridge University Press, pp. 321-398, @2003 1.000
 79. Tadjouddine M., Forth S., Keane A. (2003), Adjoin Differentiation of a Structural Dynamic Solver, Workshop on Automatic Differentiation, Cranfield, UK., @2003 1.000

80. Forth S. Tadjouddine M., Keane A. (2004), Automatic Differentiation for a Structural Optimization Solver, European Conference on Computational Optimization, EUCCO 2004, March 29-31, Dresden, Germany., @2004 1.000
81. Faure Ch. (2005) An Automatic Differentiation Platform: odyssee, J. Future Generation Computer Systems, Vol 21(8) pp. 1391 – 1400., @2005 1.000
82. Kaene A.J. and Prasanth N.B. (2005), Computational Approaches for Aerospace Design: The Pursuit of Excellence, John-Wiley and Sons Pub., ISBN 0-470-85540-1., @2005 1.000
83. Lauvernet C., (2005) Assimilation variationnelle d'observations de télédétection dans les modèles de fonctionnement de la végétation : utilisation du modèle adjoint et prise en compte de contraintes spatiales, PhD thesis, Université Joseph Fourier, Grenoble, France., @2005 1.000
84. Tadjouddine M., Forth S., Qin N. (2005) Differentiating a Time-Dependent CFD Solver, In Proc. of AD Workshop, Nice., @2005 1.000
85. Giering R., Kaminski T., Tolding R., Errico R., Gelaro R., Winslow N. (2006) Generating Tangent linear and Adjoint Versions of NASA/GMAO's Fortran-90 Global Weather Forecast Model, In H.M. Bucker at all eds., Automatic Differentiation: Applications, Theory and Implementations, Lecture Notes in Computer Science and Engineering, Vol. 50, Springer, pp. 275 – 284., @2006 1.000
86. Strout M. M., Hovland P. (2006), Linear Analysis for Automatic Differentiation, LNCS-IV Vol. 3994, pp. 574-581., @2006 1.000
87. Strout M. M., Hovland P. (2006), Linear Analysis for Automatic Differentiation, Tech. Rep. ANL/MCS-P1313-0106., @2006 1.000
88. Rach A. (2007) Efficient Computation of Derivatives for Optimal Experimental Design, PhD Thesis, University Aachen, Germany., @2007 1.000
89. Lotz Johannes, Naumann Uwe, Undermann Joan, (2012) Hierarchical Algorithmic Differentiation A Case Study, Recent Advances in Algorithmic Differentiation, Lecture Notes in Computer Sciences and Engineering, Vol. 87, pp. 187 -189., @2012 1.000
90. Lauvernet, C., Le Dimet, F. X., Baret, F., & Le, F. X. Prise en compte de structures spatiales pour l'assimilation variationnelle de données de télédétection. Exemple sur un modèle simple de croissance de végétation, Extraction et Gestion des Connaissances, EGC 2014, Rennes, France, 2014, pp. 27 – 39., @2014 1.000
91. Naumann, U., & du Toit, J., Adjoint Algorithmic Differentiation Tool Support for Typical Numerical Patterns in Computational Finance, Thech. Report 3/14, Numerical Algorithms Group, 2014., @2014 1.000
92. Özkaya, Emre. "One-shot methods for aerodynamic shape optimization." PhD diss., Universitätsbibliothek, PhD Thesis, University Aachen, 2014., @2014 1.000
93. Dunning, I., Huchette, J. and Lubin, M., 2017. JuMP: A modeling language for mathematical optimization. SIAM Review, 59(2), ISSN 0036-1445, IF 4.897, pp.295-320. (WoS), @2017 [Линк](#) 1.000
94. Hükelheim, Jan Christian. "Discrete adjoints on many cores Algorithmic differentiation of accelerated fluid simulations." PhD diss., Queen Mary University of London, 2017., @2017 [Линк](#) 1.000
95. Taftaf, Ala. "Développements du modèle adjoint de la différentiation algorithmique destinés aux applications intensives en calcul." PhD diss., Université de Nice, Côte d'Azur, 2017., @2017 [Линк](#) 1.000
96. Naumann, U., du Toit, J., Adjoint algorithmic differentiation tool support for typical numerical patterns in computational finance (2018) Journal of Computational Finance, 21 (4), pp. 23-57, IF 0.333 (WoS), @2018 [Линк](#) 1.000
97. Hück, Alexander. "Compiler Support for Operator Overloading and Algorithmic Differentiation in C++." PhD diss., Technische Universität, Darmstadt, Germany, 2020., @2020 [Линк](#) 1.000
98. Naumann, U. (2022). Reduction of the Random Access Memory Size in Adjoint Algorithmic Differentiation by Overloading. arXiv preprint arXiv:2207.07018., @2022 [Линк](#) 1.000

2003

10. Fidanova S.. ACO Algorithm for MKP Using Various Heuristic Information. Lecture Notes in Computer Science, 2542, Springer, 2003, ISBN:3540006087, 978-354000608-4, ISSN:2300-5963, DOI:10.1007/3-540-36487-0_49, 434-440. SJR (Scopus):0.339

Цитира се е:

99. Singh G., Das S., Gosavi S. and Pujar S.(2003) Ant Colony Algorithms for Steiner Trees: An Appliation to Routing in Sensor Networks'. in Recent Developments in Biologically Inspired Computing, L. N. de Castro and F. J. Zuben eds., Idea Group Inc. (IGI)., @2003 1.000
100. Di Caro G. (2004), Ant Colony Optimization and its Applications to Adaptive Routing in Telecommunication Networks, PhD Thesis, Free University of Brussels., @2004 1.000
101. Dulluri S., Srinivasa Raghavan N.R. (2005), Allocation of Advertising Space by a Web Service Provided Using Multi-Slot Combinatorial Auctions, Sadhana, Proceeding of the Indian Academy of Sciences, Vol 30, Part 223-230., @2005 1.000
102. Pfeiffer J. (2006), The Winner Determination Problem in Multy-Unit Combinatorial Auctions and the Multy-Dimentional Knapsack Problem an Analisis and Optimization Methods, PhD Theses, University of Manheim., @2006 1.000
103. Kagiurov R. R. (2007) Multiple Knapsack Problem: New Methods for Solving, J. of Siberian Aerospace Univ. Vol 3, pp. 16 – 20., @2007 1.000
104. Omanovic M., Boucher C. (2007) An ant colony optimization heuristic for the combinatorial auction problem, Proceedings of the 2007 International Conference on Artificial Intelligence, ICAI 2007, Las Vegas USA, pp. 176 – 182., @2007 1.000
105. Pfeiffer J, Rothlauf F. (2007) Analysis of Greedy Heuristics and Weight-Code for Multidimensional Knapsack Problem and Multi-Unit Combinatorial Auctions. Tech. report No 01.03.2007, Information Systems and Busines Administration, Johannes Gutenberg University Mainz., @2007 1.000

106. Wang Jie-xin, LV Qiang, Qian Pei-de (2007) Desing and Implementation of New Vector Heuristic Information for MKP, J. of Computer Engineering and Applications, Vol. 43(28), 89 – 91., @2007 1.000
107. Xie Shen-Quan, Mapping between de Bruijn sequences and algorithms for generating de Bruijn sequences by reducing stage, J. Computer Engineering and Applioations, Vol. 43(28), 2007, 21 – 24., @2007 1.000
108. Akin, M. Haluk. New Heuristics for the 0-1 Multi-dimensional Knapsack Problems. ProQuest, 2009., @2009 1.000
109. Iqbal S., Bari M.F., Rahman M. (2010) A novel ACO technique for fast and near-optimal solutions for the Multi-dimensional Multi-choice Knapsack problem, In Proc. of 13th Int. Conf. on Computer and Information Technology, Dhaka, pp. 33 – 38., @2010 1.000
110. Iqbal S., Bari M.F., Rahman M. (2010) Solving the Multi-dimensional Multi-choice Knapsack Problem with the Help of Ants, Swarm Inteligence, M. Dorigo, M. Birattari eds., LNCS 6234, ISSN 630297343 , Springer, Germany, pp. 312 – 323., @2010 1.000
111. Ke L., Feng Z., Ren Z., Wei X.. (2010) An Ant Optimization Colony Approach for the Multidimensional Knapsack Problem, J. of Heuristics. Volume 16, Issue 1, Pages 65-83. , @2010 1.000
112. Wang Jun, Xiao Jing, Zhang Jun, Improved ant colony optimization for solving constrained continuous function optimization problems, J. Computer Engineering and Design, Vol.31(5), 2010, , @2010 1.000
113. Iacopino, C., P. Palmer, and N. Policella. "A stigmergy-based paradigm for mission planning and scheduling of multiple spacecraft." AI in Space: Intelligence beyond planet Earth, Barcelona (2011)., @2011 1.000
114. Li Y., Ban C., Cheng Q., reng S., Improved ant algorithm and its application in structural reliability optimization, Int. Review on Computers and Software, Vol 7(4), IF(6.14), SJR(0.197), 2012, pp. 1926 – 1930., @2012 1.000
115. Garima, Singh, and Sharma Shailja. "A study on ant colony optimization (ACO)." International Journal of Managment, IT and Engineering 3, no. 6 (2013): 18-30., @2013 1.000
116. Le, Dac-Nhuong. "Optimizing QoS for Multimedia Services in Next Generation Network Based on ACO Algorithm." International Journal of Information Technology and Computer Science (IJITCS), Vol. 5(10), (2013): 30 – 38., @2013 1.000
117. Agarwal, Parul, and Shikha Mehta. "Nature-Inspired Algorithms: State-of-Art, Problems and Prospects." International Journal of Computer Applications 100(14), doi 10.5120/17593-8331, ISSN 0975-8887, (2014), pp. 14 – 21., @2014 1.000
118. Hammas, O., Ben Yahia, S., & Ben Ahmed, S., Adaptive web service composition insuring global QoS optimization. In Networks, Computers and Communications (ISNCC), 2015 International Symposium, 2015, pp.1-6., @2015 1.000
119. Mavrovouniotis, M., and Yang, S., Applying ant colony optimization to dynamic binary-encoded problems, EvoApplications, Lecture Notes in Computer Science 9028, 2015, pp. 845 - 856 ., @2015 1.000
120. Kleinkauf Robert, Ant Coloni Optimization based Inverse Folding of mono and bistable RNA Macromolecules, PhD thesis, Albert-Ludwigs-Universitat, Freiburg im Breisgau, Germany., @2016 1.000
121. Levin, D., 2016. The Environment Constrains Successful Search Strategies in Natural Distributed Systems. PhD Thesis, University of New Mexico, Dep. Computer Science, 2016., @2016 1.000
122. Rojas-Morales, N., Riff, R.M.C. and Montero, U.E., 2016, November. Learning from the opposite: Strategies for Ants that solve multidimensional Knapsack problem. In Evolutionary Computation (CEC), 2016 IEEE Congress on, pp. 193-200., @2016 1.000
123. Kamaruddin, Amalina Farhan. "Experimentation on Dynamic Congestion Control in Software Defined Networking (SDN) and Network Function Virtualisation (NFV)." PhD diss., Brunel University London, 2017., @2017 [Линк](#) 1.000
124. Schultze, Martin. "Constructing Subtests Using Ant Colony Optimization." Freien Universit at Berlin, PhD Thesis, 2017., @2017 [Линк](#) 1.000
125. Przybylek, M.R., Wierzbicki, A., Michalewicz, Z. Decomposition algorithms for a multi-hard problem (2018) Evolutionary Computation, 26 (3), pp. 507-533. (WoS), @2018 [Линк](#) 1.000
126. Mingzhang Wu, Janne Koljonen and Timo Mantere, Addressing Resource Allocation Issues in Cloud Computing Environment with Ant Colony Optimization, Int. Conf. Suomen AutomaatioseuraFinnish Society of Automation, ProceedingsISBN 978–952-5183-54-2, Oulu 15.-16.5.2019, 7-15, @2019 [Линк](#) 1.000
127. Al-Khazraji, H., Khilil, S., Alabacy, Z., Industrial picking and packing problem: Logistic management for products expedition (2020) Journal of Mechanical Engineering Research and Developments, 43 (2), pp. 74-80. SJR 0.19, @2020 [Линк](#) 1.000
128. Jovanović, M., Husak, E., Optimization Based on Simulation of Ants Colony (2020) Lecture Notes in Networks and Systems, 76, pp. 310-316., @2020 [Линк](#) 1.000
129. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000

2004

11. Fidanova S.. Convergence Proof for a Monte Carlo Method for Combinatorial Optimization Problems. Lecture Notes in Computer Science, 3039, Springer, 2004, ISBN:3540221298 DOI, ISSN:0302-9743, DOI:10.1007/978-3-540-25944-2_68, 523-530. SJR (Scopus):0.339, JCR-IF (Web of Science):0.305

Цитира се в:

130. Hao Z-F, Cai R-C, Huang H (2006) An Adaptive Parameter Control Strategy for ACO, In Proc of Int. Conf on Machine Learning and Cybernetics Volume 2006, Article number 4028059, pp. 203-206., @2006 1.000
131. Hao Z., Huang H., Zhang X., Tu K. (2006) A Time Complexity Analysis of ACO for Linear Function, LNCS Vol. 4247, pp. 513-520., @2006 1.000
132. Huang H., Hao Z.F. (2006) An ACO Algorithm with Bi-Directional Searching Rule, Dynamics of Continuous Discrete and Impulsive Systems- Series B-Applications and Algorithms, Vol 13, pp. 71 – 75., @2006 1.000
133. Huang H., Yang X., Hao Z., Cai R. (2006) A Novel ACO Algorithm with Adaptive Parameter, LNCS Vol. 4115, LNBI-III, pp. 12-21., @2006 1.000
134. Zhifeng Hao, Han Huang and Ruichu Cai, (2008) Bio-inspired Algorithms for TSP and Generalized TSP, Capter 2 in Traveling Salesman Problem, IN-TECH Pub., pp. 45 – 72., @2008 1.000
135. Vasileva, Vesela and Penev, Kalin. (2012). Free Search and Particle Swarm Optimisation applied to Non-constrained Test. In: Optimisation of Mobile Communication Networks. Southampton Solent University, UK, pp. 20-27. ISBN 978-0-9563140-4-8., @2012 1.000
136. Ostromsky, T., Todorov, V., Dimov, I., Monte Carlo methods for sensitivity studies of large-scale air pollution model (2020) AIP Conference Proceedings, 2302, art. no. 060009 ., @2020 [Линк](#) 1.000
137. Todorov, V., Dimov, I., Ostromsky, T., A comparison of advanced quasi Monte Carlo methods for multidimensional integrals in air pollution modeling (2020) AIP Conference Proceedings, 2302, art. no. 030005, ., @2020 [Линк](#) 1.000
138. Todorov, V., Dimov, I., Ostromsky, T., Apostolov, S., Georgieva, R., Dimitrov, Y., Zlatev, Z. Advanced stochastic approaches for Sobol' sensitivity indices evaluation (2020) Neural Computing and Applications, <https://doi.org/10.1007/s00521-020-05074-4>, IF 4.774, @2020 [Линк](#) 1.000
139. Ostromsky T., Todorov V., Dimov I., Zlatev Z. (2021) Sensitivity Studies of an Air Pollution Model by Using Efficient Stochastic Algorithms for Multidimensional Numerical Integration. In: Dimov I., Fidanova S. (eds) Advances in High Performance Computing. HPC 2019. Studies in Computational Intelligence, vol 902. Springer, Cham., @2021 [Линк](#) 1.000
140. Todorov V., Dimov I., Ostromsky T., Zlatev Z. (2021) Advanced Quasi-Monte Carlo Algorithms for Multidimensional Integrals in Air Pollution Modelling. In: Dimov I., Fidanova S. (eds) Advances in High Performance Computing. HPC 2019. Studies in Computational Intelligence, vol 902. Springer, Cham., @2021 [Линк](#) 1.000
141. Todorov V., Dimov I., Ostromsky T., Apostolov S., Dimitrov Y., Zlatev Z., Quasi-Monte Carlo Methods Based on Low Discrepancy Sequences for Sensitivity Analysis in Air Pollution Modelling (2023) Studies in Computational Intelligence, 1111, pp. 211 - 222, DOI: 10.1007/978-3-031-42010-8_22, @2023 [Линк](#) 1.000
142. Todorov V., Ostromsky T., Dimov I., Apostolov S., Dimitrov Y., Zlatev Z., Sensitivity Study of a Large-Scale Air Pollution Model by Using Latin Hypercube Sampling (2023) Studies in Computational Intelligence, 1111, pp. 223 - 232, DOI: 10.1007/978-3-031-42010-8_23, @2023 [Линк](#) 1.000

12. **Fidanova S.** Monte-Carlo Method for Multiple Knapsack Problem, Large Scale Scientific Computing. Lecture Notes in Computer Science, 2907, Springer, 2004, ISBN:3540210903, 978-354021090-0 DOI, ISSN:0302-9743, DOI:10.1007/978-3-540-24588-9_14, 136-143. SJR (Scopus):0.339

Цитира се в:

143. Wang Jie-xin, LV Qiang, Qian Pei-de (2007) Desing and Implementation of New Vector Heuristic Information for MKP, J. of Computer Engineering and Applications, Vol. 43(28), 89 – 91., @2007 1.000
144. Xie Shen-Quan, Mapping between de Bruijn sequences and algorithms for generating de Bruijn sequences by reducing stage, J. Computer Engineering and Applications, Vol. 43(28), 2007, 21 – 24., @2007 1.000
145. Pahwa Samir, (2009), The theori of simultaneous lifting: constellations in conflict hypergraphs, Thesis, Department of industrial and Manufacturing Systems Engineering, Kansas State University, USA., @2009 1.000
146. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000

2005

13. **Fidanova S.** Ant Colony Optimization for Multiple Knapsack Problem and Model Bias. Lecture Notes in Computer Science, 3401, Springer, 2005, ISSN:0377-0427, DOI:10.1007/978-3-540-31852-1_33, 280-287. SJR (Scopus):0.339, JCR-IF (Web of Science):0.302

Цитира се в:

147. Ponce J.C., Padilla F., Padilla A. et all (2007) ACHPM: Optimization Algorithm with Ant Colony for the Problem of the Backpack, 6th Spanish American Conf, Systems, Cybernetics and Informatics, Orlando, USA, Vol. 3, pp. 32-35., @2007 1.000
148. Sun H. Fang B., Zhang H. (2007) Ant-Based EM algorithm for Network Link Delay Distribution Interface, Journal of Information and Computational Science, Vol. 4(2), pp.729-736., @2007 1.000
149. Wang Jie-xin, LV Qiang, Qian Pei-de (2007) Desing and Implementation of New Vector Heuristic Information for MKP, J. of Computer Engineering and Applications, Vol. 43(28), 89 – 91., @2007 1.000
150. Xie Shen-Quan, Mapping between de Bruijn sequences and algorithms for generating de Bruijn sequences by reducing stage, J. Computer Engineering and Applications, Vol. 43(28), 21 – 24., @2007 1.000
151. Zapfel G., Braune R., Bogl M., Metaheuristic search concepts: A tutorial with applications to production and logistics, Springer book, ISBN 978-364211342-0, 2010, pp 316 ., @2010 1.000

152. Labeled, Said, Amira Gherboudj, and Salim Chikhi. "A Modified Hybrid Particle Swarm Optimization Algorithm for Multidimensional Knapsack Problem." *International Journal of Computer Applications* 34(2) (2011)., @2011 1.000
153. Beheshti, Zahra, Siti Mariyam Shamsuddin, and Siti Sophiayati Yuhani. "Binary Accelerated Particle Swarm Algorithm (BAPSA) for discrete optimization problems." *Journal of Global Optimization*, Springer, Vol 55(2), ISSN 0925-5001, DOI 10.1007/s10898-012-0006-1 (2012): 549-573. (SJRI 1.149), @2012 1.000
154. Li J., Zhou A., Zhou G. (2012) A decomposition based estimation of distribution algorithm for multiobjective knapsack problem, *IN proc of Natural Computing*, China, ISSN 2157-9555, pp. 803 – 807., @2012 1.000
155. Amarante, Silvio Roberto Martins, Filipe Maciel Roberto, Andre Ribeiro Cardoso, and Joaquim Celestino. "Using the Multiple Knapsack Problem to Model the Problem of Virtual Machine Allocation in Cloud Computing." In *Computational Science and Engineering (CSE)*, 2013 IEEE 16th International Conference on, pp. 476-483., @2013 1.000
156. Ktari, R., & Chabchoub, H., Essential Particle Swarm Optimization queen with Tabu Search for MKP resolution. *Computing*, Springer, ISSN: 0010-485X, SJRI 0.975, 2013, pp. 897 – 921., @2013 1.000
157. Landys M. M., Goymann W., Soma K., Slagsvold T., Year-round territorial aggression is independent of plasma DHEA in the European nuthatch *Sitta europaea*, *Hormones and Behaviour* Vol 63(1), IF 4.51, DOI 10.1016/j.yhbeh.2012.10.002, 2013, pp. 166 – 172., @2013 1.000
158. Mavrovouniotis, Michalis. *Ant Colony Optimization in Stationary and Dynamic Environments.*, PhD thesis, University of Leicester, 2013., @2013 1.000
159. Schiff K., Ant colony optimization algorithm for the 0-1 knapsack problem, *International Congress on Control and Information Processing 2013 (ICCIP'13)*, 7-8 December 2013, Cracow, Poland pp. 39 – 52., @2013 1.000
160. Schiff, Krzysztof. "Ant colony optimization algorithm for the set covering problem." *Czasopismo Techniczne: Automatic Control* 1-AC, 2013, 39-52., @2013 1.000
161. Verwaeren J., Scheerfink K., De Baets B., Countering the negative search bias of ant colony optimization in subset problems, *J. of Computers and Operational Research*, Elsevier 40(4), ISSN 0305-0548, 2012, DOI 10.1016/2012.10.019, (IF 1.720), 2013., @2013 1.000
162. Hifi, M., Saleh, S., & Wu, L, A hybrid guided neighborhood search for the disjunctively constrained knapsack problem. *Cogent Engineering*, 2(1), ISSN 2331-1916, DOI: 10.1080/23311916.2015.1068969, 2015., @2015 1.000
163. Schiff, K. "Heuristic algorithm for logistic decisions on optimal loading into transport, *Logistica* 2, 2015, 686 – 693., @2015 1.000
164. Singh, G. and Jain, L., Increasing Impact of ACO in solving Rectangular Packing Problems, *International Journal of Recent Trends in Engineering & Research*, Vol. 2(5), ISSN: 2455-1457, 2016, 16-26., @2016 1.000
165. Zhu, Y., Du, Q., Tian, F., Ren, F., Liang, S. and Chen, Y., Location Optimization Using a Hierarchical Location-Allocation Model for Trauma Centers in Shenzhen, China. *ISPRS International Journal of Geo-Information*, Vol. 5(10), ISSN 2220-9964, IF 0.651, doi:10.3390/ijgi5100190, 2016, p.190. (WoS), @2016 [Линк](#) 1.000
166. Le Roux, G.J., Visagie, S.E. A multi-objective approach to the assignment of stock keeping units to unidirectional picking lines (2017) *South African Journal of Industrial Engineering*, 28 (1), pp. 190-209. SJRI 0.171 (SCOPUS), @2017 [Линк](#) 1.000
167. Duca A. and Lamba B., Optimization of Electromagnetic Devices Using a RSM Enhanced ACOR Algorithm, *Annals of the University of Craiova, Electrical Engineering series*, No. 45, Issue 1, 2021; ISSN 1842-480539, DOI: 10.52846/AUCEE.2021.1.06, @2021 [Линк](#) 1.000
168. Hassan, Said Ali, et al. "Scheduling shuttle ambulance vehicles for COVID-19 quarantine cases, a multi-objective multiple 0–1 knapsack model with a novel Discrete Binary Gaining-Sharing knowledge-based optimization algorithm." *Data Science for COVID-19*. Academic Press, 2021. 675-698., @2021 [Линк](#) 1.000
169. Mohamed, A. W. Said Ali Hassan, Prachi Agrawal, Talari Ganesh, Computational modeling of the pharmacological actions of some antiviral agents against SARS-CoV-2 DOI: 10.1016/B978-0-12-824536-1.00018-6. *Data Science for COVID-19*, 675., @2021 [Линк](#) 1.000
170. Ribagin S., Lyubenova V. (2021) *Metaheuristic Algorithms: Theory and Applications*. In: Atanassov K.T. (eds) *Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence*, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
171. Cao J.-Z., Cheng Q.-F., Shi W.-B., Lu N., Sampling-based Lattice Reduction Algorithm for Subset Sum Problem [求解子集和问题的采样格归约算法] (2022) *Ruan Jian Xue Bao/Journal of Software*, 33 (11), pp. 3917 - 3929, DOI: 10.13328/j.cnki.jos.006328, @2022 [Линк](#) 1.000
172. Hassan A.A., Wagdi A., A Generalized Model for Scheduling Multi-Objective Multiple Shuttle Ambulance Vehicles to Evacuate COVID-19 Quarantine Cases, *Decision Sciences for COVID-19, Operations Research & Management Science*, 320, ISBN 978-3-030-87018-8, 287-303, 2022, DOI: 10.1007/978-3-030-87019-5_17, @2022 [Линк](#) 1.000
173. Hassan S.A., Agrawal P., Ganesh T., Mohamed A.W., A multiobjective nonlinear combinatorial model for improved planning of tour visits using a novel binary gaining-sharing knowledge-based optimization algorithm (2022) *Multi-Objective Combinatorial Optimization Problems and Solution Methods*, pp. 237 - 264, Cited 0 times. DOI: 10.1016/B978-0-12-823799-1.00012-7, @2022 [Линк](#) 1.000
174. Hassan S.A., Agrawal P., Ganesh T., Mohamed A.W., Optimal Budget Allocation for Social Projects to Control the Covid-19 Pandemic: A Multi-Objective Nonlinear Integer Mathematical Model with a Novel Discrete Integer Gaining-Sharing Knowledge-Based Metaheuristic, *Exploring the Consequences of the COVID-19 Pandemic: Social, Cultural, Economic and Psychological Insight and Perspectives*, CRC press, chapter 13, 237 - 268, @2022 [Линк](#) 1.000
175. Hassan SA, Agrawal P, Ganesh T, Mohamed AW. A Novel Discrete Binary Gaining-Sharing Knowledge-Based Optimization Algorithm for the Travelling Counselling Problem for Utilization of Solar Energy. *International Journal of Swarm Intelligence Research (IJSIR)*. 2022 Jan 1;13(1):1-24., @2022 [Линк](#) 1.000

176. Tunga H., Kar S., Giri D., Intrinsic Profit Maximization of the Offloading Tasks for Mobile Edge Computing with Fixed Memory Capacities and Low Latency Constraints Using Ant Colony Optimization (2022) Mathematical Modelling of Engineering Problems, 9 (3), pp. 668 - 674, DOI: 10.18280/mmep.090313, @2022 [Линк](#) 1.000
177. Zulfa M.I., Hartanto R., Permanasari A.E., Ali W., "Improving Cached Data Offloading Optimization Based on Enhanced Hybrid Ant Colony Genetic Algorithm," in IEEE Access, vol. 10, pp. 84558-84568, 2022, doi: 10.1109/ACCESS.2022.3197205., @2022 [Линк](#) 1.000
178. Zulfa M.I., Hartanto R., Permanasari A.E., Ali W., LRU-GENACO: A Hybrid Cached Data Optimization Based on the Least Used Method Improved Using Ant Colony and Genetic Algorithms (2022) Electronics (Switzerland), 11 (19), art. no. 2978, DOI: 10.3390/electronics11192978, IF 2.690, @2022 [Линк](#) 1.000

14. Fidanova S. Heuristics for Multiple Knapsack Problem. Conference on Applied Computing, IADIS, 2005, 255-260

Цитира се в:

179. Aghalati O., Bonyadi M.R. (2009) DEM: A Discrete Electromagnetism-like Mechanism for Solving Discrete Problems, In Proc. of IEEE Int. Symposium on Computational Intelligence in Robotics and Automation, CIRA, pp. 120-125., @2009 1.000
180. Azar Y., Khaitin E., (2011) Prompt mechanism for ad placement over time, Algorithmic Game Theory, Lecture Notes in Computer Science, Vol 6982, ISSN: 03029743, pp. 19 – 30., @2011 1.000
181. Scheerlinck, Karolien. "Metaheuristic versus tailor-made approaches to optimization problems in the biosciences." PhD diss., Ghent University, 2011., @2011 1.000
182. Akpan, N. P., E. H. Etuk, and I. D. Essi. "A stochastic knapsack problem with additive model of contagious distribution for the weight." African Journal of Mathematics and Computer Science Research 5, no. 14 (2012): 253-273., @2012 1.000
183. Lee S.-Y., Bau Y.-T., An ant colony optimization approach for solving the Multidimensional Knapsack Problem, In Proc. of ICCIS 2012, Kuala Lumpur; 12-14 June 2012, Vol 1, pp. 441 – 446., @2012 1.000
184. Schiff K., Ant colony optimization algorithm for the 0-1 knapsack problem, International Congress on Control and Information Processing 2013 (ICCIP'13), 7-8 December 2013, Cracow, Poland pp. 39 – 52., @2013 1.000
185. Camati, R. S., Alcides C. and Luiz L. Jr. "Solving the Virtual Machine Placement Problem as a Multiple Multidimensional Knapsack Problem." In ICN 2014, The Thirteenth International Conference on Networks, 2014, pp. 253-260., @2014 1.000
186. Janani N., Shiva Jegan R.D., Prakash P., Optimization of virtual machine placement in clode environment using genetic algorithm, J. Applied Sciences, Engineering and Technology, Vol. 10(3), ISSN 2040-7459, SJR 0.155, 2015, pp. 274-287., @2015 1.000
187. Schiff K. Heuristic algorithm for logistic decisions on optimal loading into transport containers. Logistyka. 2 CD1, 2015, 686-93., @2015 [Линк](#) 1.000
188. ROJAS MORALES, NICOLÁS EMILIO. "OPPOSITE LEARNING STRATEGIES FOR IMPROVING THE SEARCH PROCESS OF ANT-BASED ALGORITHMS." PhD Thesis, University Valparaiso, Chile (2018)., @2018 [Линк](#) 1.000
189. Roch, C. Email Author, Impertro, A., Phan, T., Gabor, T., Feld, S., Linnhoff-Popien, C. , Cross entropy hyperparameter optimization for constrained problem hamiltonians applied to QaoA, Proceedings - 2020 International Conference on Rebooting Computing, ICRC 2020 December 2020, Article number 9325349, Pages 50-57, @2020 [Линк](#) 1.000
190. Jonas Skackauskas, Tatian Kalganova, Ian Deara ManiJanakiram, Dynamic impact for ant colony optimization algorithm, Swarm and Evolutionary Computation, https://doi.org/10.1016/j.swevo.2021.100993. IF 7, 177, @2021 [Линк](#) 1.000
191. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000

15. Fidanova S., Saleh H.A. Ant Colony Optimization for Scheduling the Surveying Activities of Satellite Positioning Networks. International Conference on Information Systems and Data Grids, 2005, 43-54

Цитира се в:

192. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000

16. Fidanova S., Saleh H.A. Efficient Tabu Search Procedures for the GPS Surveying. Metaheuristic International Conference, Springer, 2005, 342-347

Цитира се в:

193. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000

17. Fidanova S. Ant Colony Optimization and Multiple Knapsack Problem. Handbook of Research on Nature Inspired Computing for Economy and Management, IGI-Global, 2006, ISBN:1-59140-984-5, 21, 489-509

194. Ротштейн, А. П., СД ШТОВБА, and АН КОЗАЧКО. "Моделирования и оптимизация надежности многомерных алгоритмических процессов." Винница: УНІВЕРСУМ-Вінниця, 2007.–215, @2007 1.000
195. Ротштейн, О. П., С. Д. Штовба, and О. М. Козачко. "Моделювання та оптимізація надійності багатовимірних алгоритмічних процесів." Винница: УНІВЕРСУМ-Вінниця (2007)., @2007 1.000
196. Sang Q., Guo P., Yia Y.D., (2008) Ant Colony Optimization Algorithm for Remote Sensing Image Classification Using Combined Features, In Proc. Of Int. Conf. on Machine Learning and Cybernetics, Cunming, China, 3478-34-83., @2008 1.000
197. Mei, Y., Li, X., & Yao, X., On investigation of interdependence between sub-problems of the Travelling Thief Problem. Soft Computing, Springer Vol. 20(1), ISSN: 1432-7643, SJR 1.019, 2016, 157-172. (SCOPUS), @2016 1.000
198. Singh, G. and Jain, L., Increasing Impact of ACO in solving Rectangular Packing Problems, International Journal of Recent Trends in Engineering & Researc, Vol. 2(5), ISSN: 2455-1457, , 2016, 16-26., @2016 1.000
199. Abd-alsabour N. Investigating the influence of adding local search to search algorithms. InParallel and Distributed Computing, Applications and Technologies (PDCAT), 2017 18th International Conference on 2017 Dec 18 (pp. 145-150). IEEE. (SCOPUS), @2017 [Линк](#) 1.000
200. Le Roux, Gavin J., and Stephan E. Visagie. "A MULTI-OBJECTIVE APPROACH TO THE ASSIGNMENT OF STOCK KEEPING UNITS TO UNIDIRECTIONAL PICKING LINES." The South African Journal of Industrial Engineering 28.1, IF 0.188, (2017): 190-209.(Wedof Science), @2017 [Линк](#) 1.000
201. Schultze, Martin. "Constructing Subtests Using Ant Colony Optimization." Freien Universit at Berlin, PhD Thesis, 2017., @2017 [Линк](#) 1.000
202. Tofan, Silviu, Richard Allmendinger, Manuela Zanda, and Olly Stephens. "Heuristic allocation of computational resources." In Proceedings of the Genetic and Evolutionary Computation Conference, pp. 1256-1263. ACM, 2017., @2017 [Линк](#) 1.000
203. Abd-alsabour, N., Local search for parallel optimization algorithms for high diminsional optimization problems (2018) MATEC Web of Conferences, 210, art. no. 04052, . (SCOPUS), @2018 [Линк](#) 1.000
204. Schultze, M., Eid, M., Identifying Measurement Invariant Item Sets in Cross-Cultural Settings Using an Automated Item Selection Procedure (2018) Methodology, 14 (4), pp. 176-187., @2018 [Линк](#) 1.000
205. Duca, A., Ciuprina, G., Lup, S., Hameed, I. ACOR Algorithm's Efficiency for Electromagnetic Optimization Benchmark Problems, (2019) 2019 11th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2019, art. no. 8724735, , @2019 [Линк](#) 1.000
206. Zahran, E.G., Arafa, A.A., Saleh, H.I., Dessouky, M.I. Biogeography Based Optimization Algorithm for Efficient RFID Reader Deployment (2019) Proceedings - 2018 13th International Conference on Computer Engineering and Systems, ICCES 2018, art. no. 8639199, pp. 454-459., @2019 [Линк](#) 1.000
207. Abd-alsabour N. The Subset-Sum Problem as an Optimization Problem. InSmart Intelligent Computing and Applications, Smart Innovation, Systems and Technologies 159, 2020 (pp. 693-700). Springer, Singapore., @2020 [Линк](#) 1.000
208. Devkishen Sisodia, Jun Li, and Lei Jiao. 2020. In-Network Filtering of Dis-tributed Denial-of-Service Traffic with Near-Optimal Rule Selection. InProceedings of the 15th ACM Asia Conference on Computer and Communi-cations Security (ASIA CCS'20), June 1s5, 2020, Taipei, Taiwan.ACM, NewYork, NY, USA, 12 page, @2020 [Линк](#) 1.000
209. Donati, A.V., Krause, J., Thiel, C., White, B., Hill, N. An ant colony algorithm for improving energy efficiency of road vehicles (2020) Energies, 13 (11), art. no. 2850, @2020 [Линк](#) 1.000
210. Duca, A. and Hameed, I.ACO Algorithms to Solve an Electromagnetic Discrete Optimization Problem.DOI: 10.5220/0009980001150122InProceedings of the 12th International Joint Conference on Computational Intelligence (IJCCI 2020), pages 115-122ISBN: 978-989-758-475-6, @2020 [Линк](#) 1.000
211. Sisodia, D., Li, J., Jiao, L., In-Network Filtering of Distributed Denial-of-Service Traffic with Near-Optimal Rule Selection (2020) Proceedings of the 15th ACM Asia Conference on Computer and Communications Security, ASIA CCS 2020, pp. 153-164., @2020 [Линк](#) 1.000
212. Duca, A., & Lamba, B. Optimization of Electromagnetic Devices Using a RSM Enhanced ACOR Algorithm. Annals of the University of Craiova, Electrical Engineering series, No. 45, Issue 1, 2021; ISSN 1842-4805, @2021 [Линк](#) 1.000
213. Duca, A., Adaptive ACORfor solving the TEAM22 benchmark problem (2021) 2021 International Conference on Applied and Theoretical Electricity, ICATE 2021 - Proceedings, art. no. 9464986, ., @2021 [Линк](#) 1.000
214. Duca, A., Adaptive ACORto solve the Loney's solenoid electromagnetic problem (2021) 12th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2021, art. no. 9425072, ., @2021 [Линк](#) 1.000
215. Duca, A., RSM enhanced ACORalgorithm for electromagnetic optimization (2021) 2021 International Conference on Applied and Theoretical Electricity, ICATE 2021 - Proceedings, art. no. 9464999, ., @2021 [Линк](#) 1.000
216. Ribagin S., Lyubanova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
217. Cao J.-Z., Cheng Q.-F., Shi W.-B., Lu N., Sampling-based Lattice Reduction Algorithm for Subset Sum Problem, J. of Software, 33(11), USSN 1000-9825, DOI 10.13328/j.cnki.jos.006328, 2022, 3917-3929, @2022 [Линк](#) 1.000
218. Zahran E.G., Arafa A.A., Saleh H.I., Dessouky M.I., Effective Hybridization of Biogeography Based Optimization and Simulated Annealing (2022) Journal of Physics: Conference Series, 2304 (1), art. no. 012013, DOI: 10.1088/1742-6596/2304/1/012013, @2022 [Линк](#) 1.000
219. Dhivyaprabha, T.T., Subashini, P. (2023). Synergistic Fibroblast Optimization Algorithm for Solving Knapsack Problem. In: Idrissi, A. (eds) Modern Artificial Intelligence and Data Science. Studies in Computational Intelligence, vol 1102. Springer, Cham., 295-306, https://doi.org/10.1007/978-3-031-33309-5_24, @2023 [Линк](#) 1.000

220. Mesquita A.C.P., Sanches C.A.A., Air cargo load and route planning in pickup and delivery operations, Expert Systems with Applications, vol. 1.000 249, part B, 2024, 123711, DOI: 10.1016/j.eswa.2024.123711, IF 8.5, @2024 [Линк](#)
18. **Fidanova S.** Simulated Annealing: A Monte Carlo Method for GPS Surveying. Lecture Notes in Computer Science, 3991, Springer, 2006, 1009-1012. SJR (Scopus):0.339
Цитира се в:
221. Sharif M.A., Abolhsani S., Zahedi Anaraki A.H., Jeihoonalan M., Using Ant Colony System to produce session schedules for GPS surveying 1.000 network, Int. Review on Computers and Software, Vol 7(4), IF(6.14), SJR(0.197), 2012, pp. 1650 – 1655., @2012
222. Tiwari, P., Chande, S.V., Join Query Optimization Using Genetic Ant Colony Optimization Algorithm for Distributed Databases (2019) 1.000 Communications in Computer and Information Science, 985, pp. 224-239., @2019 [Линк](#)
223. Todorov, V., Dimov, I., Dimitrov, Yu., Ostromsky, Tz., Georgieva, R., A comparison of quasi-Monte Carlo methods based on Faure and Sobol sequences for multidimensional integrals in air pollution modeling (2019) AIP Conference Proceedings, 2164, art. no. 030002, @2019 [Линк](#)
224. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science 1.000 in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)
225. Todorov V., Georgiev S., An advanced lattice rules with prime number of points with product weights for multidimensional sensitivity analysis 1.000 (2023) AIP Conference Proceedings, 2939 (1), art. no. 130004, DOI: 10.1063/5.0178550, @2023 [Линк](#)
226. Todorov, V., Georgiev, S. (2023), A Hammersley and van der Corput sequences comparison for multidimensional sensitivity analysis, AIP 1.000 Conf. Proc. 2953, 090008, <https://doi.org/10.1063/5.0177572>, SJR 0.164, @2023 [Линк](#)
227. Todorov, V., Georgiev, S. (2023). Innovative Lattice Sequences Based on Component by Component Construction Method for 1.000 Multidimensional Sensitivity Analysis. In: Simian, D., Stoica, L.F. (eds) Modelling and Development of Intelligent Systems. MDIS 2022. Communications in Computer and Information Science, vol 1761. Springer, Cham. https://doi.org/10.1007/978-3-031-27034-5_17, 247-263., @2023 [Линк](#)
19. **Fidanova S., Durchova M.** Ant Algorithm for Grid Scheduling Problem. Lecture Notes in Computer Science, 3743, Springer, 2006, ISSN:0377-0427, 405-412. SJR:0.339
Цитира се в:
228. Kousalya K., Balasubramanie P. (2007) Resource Scheduling in a Computational Grid Using Ant Algorithm, In Proc. of First Int. Conf. on 1.000 Computer, Control and Communication, Karachi, Pakistan., @2007
229. Kousalya K., Balasubramanie P (2008) A Solution to Grid Scheduling Problem Using an Improved Ant Algorithm, J of Advanced Computational 1.000 Sciences and Technology, Vol. 1(2)., @2008
230. Kousalya K., Balasubramanie P. (2008) An Enhanced Ant Algorithm for Grid Scheduling Problem, Int J. of Computer Science and Network 1.000 Security, Vol 8(4), pp. 262 – 271., @2008
231. Savic A., Tosic D., Maric M., Kratica J., (2008) Genetic Algorithm for Solving the Task Assignment Problem, Serdica J. Computing 2, 267 – 1.000 276., @2008
232. Abdullah T., Bertels K., Alma L.O. (2009) Ant Colony Inspired Microeconomic Based Resource Management in Ad Hoc, Advances in Grid 1.000 and Pervasive Computing, LNCS 5529, Springer, Germany, pp. 189 – 198., @2009
233. Bagherzadeh, Jamshid, and Mojtaba MadadyarAdeh. "An improved ant algorithm for grid scheduling problem." In Computer Conference, 1.000 2009. CSICC 2009. 14th International CSI, IEEE, 2009, pp. 323-32., @2009
234. Guo, Z., Kiu, D., Ma, S., Ma, S., A resource discovery algorithm based on P2PGrid, 1st International Conference on Information Science and 1.000 Engineering, Nanjing, DOI 10.1109/ICISE.2009.150, 2009, pp. 70 –73., @2009
235. Khare V.R., Wangs F.Z., Bio-inspired grid resource management, Handbook of research on grid technologies and utility computing: concepts 1.000 for managing large-scale applications, book chapter, ISBN: 978-160566184-1, IGI Global pub., 2009, pp. 118 – 125., @2009
236. Kosalya K., Balasubramanie P. (2009) Task Severance and Task Parceling Based Ant Algorithm for Grid Scheduling, International Journal of 1.000 Computational Cognition, vol.7, no.4, December, pages 12-19, , @2009
237. Kousalya K., Balasubramanie P (2009) To Improve Ant Algorithms Grid Scheduling Using Local Search, Int. J. of Computational Cognition, 1.000 Vol. 7(4), 47 – 57., @2009
238. Mabgar S.A.A. (2009) Optimization of combinatorial problems with parallel metaheuristics, PhD thesis Technical University Sofia, 1.000 Bulgaria., @2009
239. Paletta M., Hererro P. (2009) A Multi-agent Task Delivery System for Balancing the Load in Collaborative Grid Environment, Artificial Intelligent 1.000 Applications and Innovations III, IFIP Advances in Information and Communication Technology, Springer, pp. 365 – 371., @2009
240. Paletta M., Herrero P. (2009) A Simulated Annealing Method to Cover Dynamic Load Balancing in Grid Environment, Distributed Computing 1.000 and Artificial Intelligence, J.M. Corchado et all (eds.), ASC 50, Springer, Germany. Pp. 1-10., @2009
241. Rawat, S.S., Rajamani, L. (2009) Experiments with CPU scheduling algorithm on a computational grid, IEEE International Advance Computing 1.000 Conference, IACC 2009, art. no. 4808983, pp. 71-75., @2009
242. Raza Z., Vidyarthi D.P., (2009) GA based scheduling model for computational grid to minimize turnaround time, Int. J. of Grid and High 1.000 Performance Computing, Vol. 1(4), ISSN 19380259, pp.70 – 90., @2009

243. S. Banerjee, I. Mukherjee, P.K. Mahanti (2009) Cloud Computing Initiative Using Modified Ant Colony Framework, World Academy of Science Engineering and Technology 56, pp. 221 – 224., @2009 1.000
244. 20. Tarek Helmy, Zeeshan Rasheed, (2010) Independent Job Scheduling by Fuzzy C-Mean Clustering and an Ant Optimization Algorithm in a Computational Grid, IAENG International Journal of Computer Science, 37:2, IJCS_37_2_03, ISSN: 1819-9224 (online version); 1819-656X (print version) peer-reviewed., @2010 1.000
245. Bandieramonte M., Stefano A. D., Morana G., Pheromone impact on ants-based algorithms, Pheromones: Theories, Types and Uses, Chapter , Nova Science Publishers, ISBN 978-161668283-5, 2010, pp. 187 – 199., @2010 1.000
246. Bandieramonte M., Di Stefano A., Morana G. (2010), Grid jobs scheduling: The alienated ant algorithm solution, J. of Multimedia and Grid Systems, IOS Press, ISSN 1574-1702, Vol 6(3), pp. 225 – 243., @2010 1.000
247. Chen Qi, Hou Ming, (2010), Research on grid task scheduling based on ant colony algorithm, J. of advanced metaheuristic research, Vol 129-131, ISSN: 10226680, pp. 1438 – 1443., @2010 1.000
248. Helmy T., Rashed Z., (2010) Independent Job Scheduling by Fuzzy C-mean Clustering and an Ant Optimization Algorithm in a Computation Grid, IAENG International Journal of Computer Science 37(2), ISSN 1819-656X., @2010 1.000
249. K. Vivekanandan, D. Ramyachitra, B. Anhu (2010) Optimomization Technologuies for Grid Scheduling a Comperative Study, In Proc. Of Computational Systems and Communications, Tirunelveli-Tamil Nadu, India, pp. 37 – 42., @2010 1.000
250. Kaut A., Sharma A., Aarwal S., Chandra S., (2010) An ACO approach to job scheduling in grid environment, Swarm evolutionary and memetic computing, LNCS 6466, pp. 286 – 295., @2010 1.000
251. Kokilavani T., Amalarethnam D.I. (2010) Applying Non-Traditional Optimization Techniques to Task Scheduling in Grid Computing - An Overview, J. of Research and Reviews in Computer Science Vol 1(4), pp. 33 – 38., @2010 1.000
252. Ku-Mahamud K.R. Abdul Nasir H.J., (2010) Ant Colony Algorithm for Job Scheduling in Grid Computing, Asia Modelling Symposium 2010 - 4th International Conference on Mathematical Modelling and Computer Simulation , art. no. 5489677, pp. 40-45., @2010 1.000
253. Ma S., Sun X., Guo Z. (2010) A Resource Discovery Mechanism Integrating P2P and Grid, IEEE Int. Conf. On Computer Science and Inform. Technology, Chengdu, China, ICCIT'2010 Vol. 7, ISBN 978-142445538-6, pp. 336 – 339., @2010 1.000
254. Menghani G., (2010) A fast genetic algorithm based static heuristic for scheduling independent tasks on heterogeneous systems, Int. Conf. On Parallel, Distributed and Grid Computing, Solan, ISBN 978-142447672-5, pp. 113-117., @2010 1.000
255. Nasir H.J.A, Ku-Mahamud K.R., (2010) Grid Load Balansing Using Ant Colony Optimization, 2nd Int. Conf. on Computer and Network Technology, April 2010, Bangkok, 207 – 211., @2010 1.000
256. Nasir H.J.A, Ku-Mahmud K.R., Dim A.M. (2010), Load-Balancing using enhanced ant algorithm in grid computing, Int. Conf. On Computational Intelligence, Modelling and Simulation, Bali, Indonesia, ISBN 978-0-7695-4262-1, 160 - 165., @2010 1.000
257. P. Mathiyalagan, S. Suriya, S.N. Sivanandam (2010) Modified Ant Colony Algorithm for Grid Scheduling, Int. Journal on Computational Science and Engineering Vol 2(2), pp. 132 – 139., @2010 1.000
258. Preve N., (2010) Balanced job scheduling based on ant algorithm for grid network, Int. J. of Grid and High Performance Computing, Vol. 2(1), ISSN 19380259, pp. 34 – 50., @2010 1.000
259. Tarik Abdullah (2010) Mechanisms for Self-organizing Ad Hoc Grids, PhD thesis, Technical University Delft, Nederland., @2010 1.000
260. Umale J., Mahajan S., (2010) Optimized Grid Scheduling Using Two Level Decision Algorithm (TLDA), Int. Conf. On Parallel, Distributed and Grid Computing, pp. 78 – 82., @2010 1.000
261. Wang M., Zeng W., (2010) A comparison of four popular heuristics for task scheduling problem in computational grid, 2010 6th International Conference on Wireless Communications, Networking and Mobile Computing, WiCOM 2010, ISBN: 978-142443709-2, Article number 5600872, DOI: 10.1109/WICOM.2010.5600872., @2010 1.000
262. Abdullah T., Bertels K. (2011) Nature-inspired Self-organization in P2P Ad hoc Grids, ICAS 2011, The Seventh International Conference on Autonomic and Autonomous Systems, SBN: 978-1-61208-134-2, 134 – 139., @2011 1.000
263. Alhaffa A., Abdulal W. (2011) A market-based study of optimal ATM'S deployment strategy, Int. J. of Machine Larning and Computing, Vol. 1(1), ISSN 2010-3700, pp. 104 – 112., @2011 1.000
264. Atanassov K., Game Method for Modeling, Prof. Marin Drinov Academic Publishing House, Sofia, Bulgaria, ISBN 978-954-322-480-7, 2011., @2011 1.000
265. Bardsiri A.K., Rafsanjani M.K. (2011) Differential evolution algorithm for grid sceduling problem, Int. J. of Phisical Sciences, Vol 6(24), 5682-5687 , ISSN 1992-1950, (IF 0.504)., @2011 1.000
266. Bhavsar M., Pradhan S.N. (2011) NSGSched – an efficient scheduling algorithm handling interactive jobs in grid environment, Int. J. of Grid and Distributed Computing, Vol 4(2), ISSN 1005-4262, pp. 11 – 24., @2011 1.000
267. Di Stefano A., Morana G (2012) A bio-inspired distributed algorithm to improve scheduling performance of multi-broker grids, J. of Natural Computing, Springer-Verlag, DOI 10, 1007/S11047-012-9319B., @2011 1.000
268. Di Stefano A., Morana G., A bio-inspired scheduling algorithm for grid environments, Remote Instrumentation Services on the e-Infrastructure: Applications and Tools, Davoli F., Meyer N., Pugliese R., Zappatore S. Eds, Chapter 9, ISBN: 978-144195573-9, Springer, 2011, pp. 113 – 128., @2011 1.000
269. Helmy T., Rasheed Z., (2011) Colony of cooperative agents based independent job scheduling in a computational grid, Int. J. of Intelligent Computing and Cybernetics, Vol 4(2), ISSN 1756-378X, pp. 243 – 264., @2011 1.000
270. Li K., Xu G., Zhao G., Dong Y., Wang D. (2011) Cloud task scheduling based on load balancing ant colony optimization, In Proc. of ChinaGrid'2011 Conference, Dalian, Liaoning, 3 – 9., @2011 1.000

271. Madedyar Adeh M., Bagherzadeh J.A. (2011) An improved ant algorithm for grid scheduling problem using biased initial ants. In proc. of Int. Conf. On Computer Research and Development, Shanghai, ISBN 978-161284837-2, pp.373 – 378., @2011 1.000
272. Mathiyalagan P., Suriya S., Svanandanm S. N., (2011) Hybride enhanced ant colony algorithm and enhanced bee colony algorithm for grid scheduling. Int. J. of Grid and Utility Computing, Vol. 2(1), pp. 45 – 58., @2011 1.000
273. Nithya L.M., Shanmungam A. (2011) Scheduling in computational grid with a new hybride ant colony optimization algorithm, European Journal of Scientific Research, Vol. 62(2), ISSN: 1450216X, pp. 273-281., @2011 1.000
274. Sachin A., Solanki V., Winal Gour B., Mahajan A. R. (2011) An overview of different job schedulingheuristics strategies for cloud computing environment, In proc. of ICETT-2011, pp. 1 – 5., @2011 1.000
275. Santiago AJS, Yuste AJ, Exposito T.E.M., Galan S.G., De Prado R.P. (2011) A multi-criteria meta-fuzzy scheduler for independent tasks in grid computing, Computing and Informatics, Vol 30(6), pp. 1201 – 1223., @2011 1.000
276. Shakerian R., Kamali S.H., Hedayati M., Alipour M. (2011) ComparativeStudy of Ant Colony Optimization and Particle Swarm Optimizationfor Grid Scheduling. J. of Mathematics and Computer Science, Vol 2(3), pp.469 – 474., @2011 1.000
277. Chin-Ming Wang, Chun-Wei Tsai, Ming-Chao Chiang, Chu-Sing Yang, (2012) An efficient local search for grid scheduling problem in learning system, In Ptoc. Of 9th Int. Conf. On Fuzzy Systems and Knowledge Discovery, Sichuan, ISBN 978-1-4673-0025-4, pp. 2447 – 2451., @2012 1.000
278. Goyal S.K., Singh M., Adopyive and Dynamic Load Balancing in Grid Using Ant Colony Optimization, Int. J. of Engineering and Technology, Vol 4(4), ISSN 0975-4024, 2012, pp. 167 – 174., @2012 1.000
279. Kokilavani T., George Amalarathinam D.I., Memory Constrained Ant Colony System for Task Scheduling Grid Computing, Int. J. of Grid Computing and Applications, Vol 3(3), ISSN 2229-3949, 2012, pp. 11 – 20., @2012 1.000
280. Suryadevera S., Chourasia J., Rathare S., Jhummarwala A., (2012) Load Balansing in Computational Grid Using Ant Colony Optimization Algorithm, Int. J. of Computer and Communication Technology (IJCCT), ISSN 0975-7449, Vol 3(3), pp. 20 – 23., @2012 1.000
281. Tiwari, Pawan Kumar, and Deo Prakash Vidyarthi. "Observing the effect of interprocess communication in auto controlled ant colony optimization-based scheduling on computational grid." Concurrency and Computation: Practice and Experience, ISSN: 1532-0634, IF 0.636, (2012) ., @2012 1.000
282. Umarani S., Nithya L.M., Shanmungam A. (2012) Efficient multiple ant colony algorithm for job scheduling in Grid environment, Int. J. of Computer Science and Information Technologies, Vol 3(2), ISSN 0975-9646, pp. 3388 – 3393., @2012 1.000
283. Yue J., Li Z., Liu L., Li D., Fu Z., (2012) An improved ant colony algorithm for agricultural knowledge storage scheduling under grid environment, Sensor Letters, American Scientific Publications, ISSN 1546- 198X, , SJR 0.057, Vol 10(1-2), pp. 562 – 569., @2012 1.000
284. Abdullah, T., A. Anjum, N. Bessis. Nature Inspired Self Organization for Adhoc Grids. - In: IEEE 27th International Conference on Advanced Information Networking and Applications (AINA), 2013. Doi: 10.1109/AINA.2013.144. ISSN: 1550-445X., @2013 1.000
285. Abdullah, Tariq, Ashiq Anjum, Nik Bessis, Stelios Sotiriadis, and Koen Bertels. "Nature Inspired Self organization for Adhoc Grids." In The 27th IEEE International Conference on Advanced Information Networking and Applications., 2013, 682 – 689., @2013 1.000
286. Aron, R., Chana, I. "QoS based resource provisioning and scheduling in grids." The Journal of Supercomputing, Vol. 66 (1), ISSN: 0920-8542, SJR 0.348, (2013), 262 – 283., @2013 1.000
287. Chen Y.S., Qu H.C., Gong X.C., Improved ant colony optimization for grid scheduling problem, J. of Computer engineering and design, Vol 34(2), ISSN 125-105, 2013, pp. 502 – 506., @2013 1.000
288. El-zoghdy, Said Fathy. "An Intelligent AntNet-Based Algorithm for Load Balancing in Grid Computing." INTERNATIONAL JOURNAL OF COMPUTERS & TECHNOLOGY Vol.11(9), ISSN 2277-3061, IF 1.341, (2013): 2975-2986., @2013 1.000
289. Kokilavani, T., and DI George Amalarethinam. "An Ant Colony Optimization Based Load Sharing Technique for Meta Task Scheduling in Grid Computing." Advances in Computing and Information Technology. Springer Berlin Heidelberg, Advances in Intelligent Systems and Computing Volume 177, Springer, 2013, pp 395-404 ISSN 2194-5357, ISBN 978-3-642-31551-0, 2013. 395-404., @2013 1.000
290. Maruthanayagam, D., and R. Uma Rani. "A Novel Approach to Scheduling in Grid Environment: Enhanced Ant Colony Optimizer." International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Vol. 2(3) , ISSN: 2278 – 1323, IF 13.069, (2013), 904 - 915 ., @2013 1.000
291. Mateos, Cristian, Elina Pacini, and Carlos García Garino. "An ACO-inspired algorithm for minimizing weighted flowtime in cloud-based parameter sweep experiments." Advances in Engineering Software 56 , IF 1.052, (2013): 38-50., @2013 1.000
292. Mathiyalagan, P., S. N. Sivanandam, and K. S. Saranya. "HYBRIDIZATION OF MODIFIED ANT COLONY OPTIMIZATION AND INTELLIGENT WATER DROPS ALGORITHM FOR JOB SCHEDULING IN COMPUTATIONAL GRID", ICTACT J. on Soft Computing, Vol. 4(1), ISSN 0976-6561, 2013, 651—654., @2013 1.000
293. Papaspyrou, Alexander. "Federated capacity planning for distributed computing infrastructures.", PhD thesis, Thechnical University Dortmund, (2013)., @2013 1.000
294. Ramyachitra, D., and Ms P. Suganthi. "Genetic Algorithm Based Artificial Bee Colony Algorithm for Grid Scheduling."International Journal of Advanced Research in Computer and Communication Engineering, Vol. 2(9), ISSN 2319-5940, IF 1.77, 2013, pp. 3582 – 3589., @2013 1.000
295. Toch, L. Contributions aux techniques d'ordonnancement sur plates-formes parallèles ou distribuées, PhD Thesis, Universite de Franche-Compte (2013)., @2013 1.000
296. Wang, Chih-Ming. "Collaborative Content Sharing and Matching Service on Cloud-based e-Learning Platform." PhD Thesis, Department of Computer Science and Engineering, National Sun Yat-sen University, China, (2013)., @2013 1.000

297. Wang, Shangguang, Yan Gong, Guangxiao Chen, Qibo Sun, and Fangchun Yang. "Service Vulnerability Scanning based on Service-oriented Architecture in Web Service Environments." *Journal of Systems Architecture* (2013).DOI 10.1016/j.sysarc.2013.01.002. ISSN: 1383-7621, IF. 0.577., @2013 1.000
298. Zhou L.Y., Zhang X.D., Zhou D.R., The Research for Cloud Computing Task Scheduling Based on Genetic and Ant Colony Algorithm, *J. Wireless Communication Technology*, Vol. 22(3), doi 10.3969/j.issn.1003-8329.2013.03.004 2013, pp. 15 – 19., @2013 1.000
299. Barkallah, Haitham, Mariem Gzara, and Hanene Ben Abdallah. "A fully distributed Grid meta scheduling method for non dedicated resources." In *Computer Applications and Information Systems (WCCAIS)*, 2014 World Congress on, ISBN 978-1-4799-3350-1, DOI 10.1109/WCCAIS.2014.6916613, pp. 1-6. IEEE, 2014., @2014 1.000
300. Booba, B., and T. V. Gopal. "Comparison of Ant Colony Optimization & Particle Swarm Optimization In Grid Scheduling." *Asian Journal of Information Technology* 13, no. 9, ISSN:1682-3915 , SJR 0.133, (2014).pp. 561 – 565., @2014 1.000
301. C. W. Tsai, J. J. P. C. Rodrigues. Metaheuristic Scheduling for Cloud: A Survey. *Systems Journal*, IEEE, Volume 8 , Issue 1, Doi: 10.1109/JSYST.2013.2256731. ISSN: 1932-8184, IF 1.27, 2014, 279 – 291., @2014 1.000
302. Jackson G., Keleher P., Sussman A., Decentralized scheduling and load balancing for parallel programs, *Proceedings - 14th IEEE/ACM International Symposium on Cluster, Cloud, and Grid Computing, CCGrid 2014*, 2014, pp. 324-333., @2014 1.000
303. Kumaravel A., Review on a dynamic scheduling algorithm for grid with task duplication, *Midle-East Journal of Scientific Research*, Vol. 20(1), ISSN 1990-9233, SJR 0.00, IF 0.0, 2014, 94 – 99., @2014 1.000
304. Li, Shin-Hung, and Jen-Ing G. Hwang. "Bidirectional Ant Colony Optimization Algorithm for Cloud Load Balancing." *Intelligent Technologies and Engineering Systems , Lecture Notes in Electrical Engineering* No 293, Chapter 11, Springer International Publishing, DOI 10.1007/978-3-319-04573-3_111, SJR 0.114, 2014, pp. 907 – 913., @2014 1.000
305. Pacini, Elina, Cristian Mateos, and Carlos García Garino. "Distributed job scheduling based on Swarm Intelligence: A survey." *Computers & Electrical Engineering*, IF 0.928, SJR 0.700, ISSN: 0045-7906, Vol 40(10), 2014, 252 – 269., @2014 1.000
306. Preethima, R. A., & Johnson, M. HYBRID ACO-IWD OPTIMIZATION ALGORITHM FOR MINIMIZING WEIGHTED FLOWTIME IN CLOUD-BASED PARAMETER SWEEP EXPERIMENTS, *International Journal of Research in Engineering and Technology*, Vol 3(3), ISSN: 2321-7308, 2014, pp. 317—321., @2014 1.000
307. Tiwari P.K., Vidyarthi D.P., Observing the effect of interprocess communication in auto controlled ant colony optimization-based scheduling on computational grid, *J. Concurrency Computation Practice and Experience*, Vol 26(1), ISSN 1532-0626, IF 0.845, SJR 0.515, 2014, 241 – 270., @2014 1.000
308. Umarani, M. S., Senthilprakash, T., Parallel Asynchronous Particle Swarm Optimization For Job Scheduling In Grid Environment, *International Journal on Recent and Innovation Trends in Computing and Communication*, Vol. 2(8), ISSN: 2321-8169, 2014, pp. 2384 – 2389., @2014 1.000
309. Vigneswari, T., and M. A. Mohamed. "Scheduling in Sensor Grid Middleware for Telemedicine Using ABC Algorithm." *International Journal of Telemedicine and Applications* 2014, dx.doi.org/10.1155/2014/592342, (2014)., @2014 1.000
310. Vigneswari, T., and M.A Maluk Mohamed. "Optimal Grid Scheduling Using Improved Artificial Bee Colony Algorithm.", *Int. J. of Computer Control, Quantum and Information Engineering*, Vol. 8(11), 2014, 1971 – 1979., @2014 1.000
311. Vigneswari, T., and M.A Maluk Mohamed. "Performance Analysis of Initialization Methods for Optimizing Artificial Bee Colony Grid Scheduling." *Proceedings of the International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA)*. The Steering Committee of The World Congress in Computer Science, Computer Engineering and Applied Computing (WorldComp), 2014. 464-470., @2014 1.000
312. Oureshi, M. B., Dehnavi, M. M., Min-Allah, N., Qureshi, M. S., Hussain, H., Rentifis, I., ... & Zomaya, A. Y. Survey on Grid Resource Allocation Mechanisms. *Journal of Grid Computing*, Vol. 12(2), Springer-Verlag, ISSN 1570-7873, DOI 10.1007/s10723-014-9292-9, SJR 0.727, 2014, 399-441., @2014 1.000
313. Gokuldev S., Radhakrishnan R., An improved log-based scheduling and load balancing in computational grid, *Int. J. of Applied Engineering Research*, Vol 10(13), ISSN: 0973-4562, Research India Publications, SJR 0.127, 2015, 33819-33825., @2015 1.000
314. Gokuldev S., Radhakrishnan R., WRB scheduling for meta brokers in heterogeneous grid environment, *Int. J. of Applied Engineering Research*, Vol 10(2), ISSN: 0973-4562, Research India Publications, SJR 0.127, 2015, pp. 2969-2979., @2015 1.000
315. Jackson, G. L.. "Parallel computing with p2p desktop grids." PhD thesis, University of Maryland, 2015., @2015 1.000
316. Jackson, G. L.. "Parallel computing with p2p desktop grids." PhD thesis, University of Maryland, 2015., @2015 1.000
317. Sharma Sh., Chhabra A., Sharma S., Comparative analysis of scheduling algorithms for grid computing, In *Proc. of ICACCI*, DOI: 10.1109/ICACCI.2015.7275634, 2015, 349-354., @2015 1.000
318. Yao F., Ge J., Li C., Ge Y., Hu H., Zhou Y, Hu Hao, and Luo B., "Workflow Scheduling in Grid Based on Bacterial Foraging Optimization." In *Process-Aware Systems, Communications in Computer and Information Science*, Vol 495, Springer Berlin Heidelberg, ISSN 1865-0929, DOI 10.1007/978-3-662-46170-9_3, 2015, pp. 21-34., @2015 1.000
319. Bandieramonte, M., Di Stefano, A., Morana, G. Grid jobs scheduling: The Alienated Ant Algorithm solution, *Multiagent and Grid Systems*, 6 (3), ISSN:1574-1702, SJR 0.144, 2014, pp. 225-243. (SCOPUS), @2016 [Линк](#) 1.000
320. Cammarata, G., Di Stefano, A., Morana, G. and Zito, D., 2016, May. Evaluating the Performance of A4SDN on Various Network Topologies. In *2016 IEEE International Parallel and Distributed Processing Symposium Workshops (IPDPSW)*, 2016, pp. 801-808. (WoS), @2016 [Линк](#) 1.000
321. Ghazipour F, Mirabedini SJ., Harounabadi A., Proposing a New Job Scheduling Algorithm in Grid Environment Using a Combination of Ant Colony Optimization Algorithm (ACO) and Suffrage. *International Journal of Computer Applications Technology and Research*, Vol. 5(1), ISSN 2319-8656, 2016, 20-25., @2016 [Линк](#) 1.000

322. Ghazipour, F. and Mirabedini, S.J., Presenting a new Ant Colony Optimization Algorithm (ACO) for Efficient Job Scheduling in Grid Environment, International Journal of Computer Applications Technology and Research, Vol. 5(1), ISSN 2319-8656, 2016, 15 – 19., @2016 1.000
323. Gokuldev, S., Ashokan, A. and Rajeev, R., 2016. A DTQ Scheduling Algorithm with Check pointing approach in Computational Grid. International Journal of Applied Engineering Research, 11(9), ISSN: 0973-4562, SJR 0.127, 2016, pp.6850-6855. (SCOPUS), @2016 [Линк](#) 1.000
324. Karimpour, R., Khayyambashi, M. R., & Movahhedinia, N., Applying ant colony optimization for load balancing on grid. Journal of the Chinese Institute of Engineers, ISSN 0253-3839, IF 0.241, DOI: 10.1080/02533839.2015.1070690, 2016, 49-56. (WoS), @2016 [Линк](#) 1.000
325. Kaur M., Elitist multi-objective bacterial foraging evolutionary algorithm for multi-criteria based grid scheduling problem, In proc. Of Int. Conf. On Internet of things and Applications, 2016, pp. 431-436. (SCOPUS), @2016 [Линк](#) 1.000
326. Rajeshkumar, J., Nithya, L.M. and Kousalya, K., Ant Colony Optimization Hybrid with Particle Swarm Optimization for Efficient Resource Scheduling in Computational Grids. International Journal of Advanced Engineering and Recent Technology, ISSN 2455-3522, Vol 10(1), 2016, 12-18, @2016 1.000
327. Sivakumar, M., and C. Venkatesh. "A NOVEL METAHEURISTIC APPROACH FOR CLOUD SCHEDULING", J. Technological Advances and Scientific Research, Vol. 2(2), ISSN 2395-5600, 2016, 115-118., @2016 1.000
328. Sugandha Satija, Dynamic Load Balancing in Grid Computational Environment using Ant Algorithm, National Conference on Trends in Advanced Computing & Information Technology-2016, International Journal of Computer Applications, ISSN: 0975-8887, @2016 [Линк](#) 1.000
329. Tiwari, P. K., & Vidyarthi, D. P., Improved auto control ant colony optimization using lazy ant approach for grid scheduling problem. Future Generation Computer Systems, Vol. 60(1), ISSN: 0167-739X, IF 2.786, doi:10.1016/j.future.2016.01.017, 2016, 68-89. (WoS), @2016 1.000
330. Bhatia, M. K., Task Scheduling in Grid Computing: A Review. Advances in Computational Sciences and Technology, 10(6), ISSN 0973-6107, 2017 1707-1714., @2017 [Линк](#) 1.000
331. Chinmay Joshi, Siddharth Shah, Aniruddha K, Prerak Thakkar, Gopi Bhatt Ant Colony Optimization for Job Scheduling in Grid with Alea Simulator, GRD Journals- Global Research and Development Journal for Engineering, Volume 2, Issue 5, April 2017 ISSN: 2455-5703, @2017 [Линк](#) 1.000
332. Gupta, Ashish, and Ritu Garg. "Load Balancing Based Task Scheduling with ACO in Cloud Computing." In Computer and Applications (ICCA), 2017 International Conference on, pp. 174-179. IEEE, 2017., @2017 [Линк](#) 1.000
333. Moallaeyan, R., Abadi, A.H. and Mirabedini, S.J., 2017. Providing an algorithm for optimal prioritization of workloads on distributed systems using ALO meta-heuristic method. INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND NETWORK SECURITY, 17(5), pp.215-220., @2017 [Линк](#) 1.000
334. Sugandha Satija, Madhavi R. Bichwe, Sureshwari Bichwe, Dynamic Load Balancing in Grid Computing Using Ant Algorithm (ASRANK Approach), International Journal of Automatic Control System, Vol. 3, issue 2, @2017 [Линк](#) 1.000
335. Cammarata, Giovanni. "Bio-inspired routing algorithms for Software Defined Networking.", PhD Thesis, University of Catania, Italy (2018)., @2018 [Линк](#) 1.000
336. HU, H., LUO X., "Research on Cloud Task Scheduling Based on Load Balancing Ant Colony Optimization", 2018 International Conference on Computer, Communication and Network Technology (CCNT 2018) Proceeding, DEStech Transactions on Computer Science and Engineering, pp. 60-64, ISSN: 2475-8841, ISBN: 978-1-60595-561-2, @2018 [Линк](#) 1.000
337. Muhanad Tahrir Younis, Hybrid Meta-heuristic Algorithms for Static and Dynamic Job Scheduling in Grid Computing, @2018 [Линк](#) 1.000
338. Qureshi, Muhammad Bilal. Resource Allocation for Real-Time Tasks in High Performance Distributed Computing Systems. Diss. COMSATS University, Islamabad., 2018., @2018 [Линк](#) 1.000
339. Sethi, N., Singh, S. and Singh, G., Multiobjective Artificial Bee Colony based Job Scheduling for Cloud Computing Environment, I.J. Mathematical Sciences and Computing 1, 2018. 41-55., @2018 [Линк](#) 1.000
340. Younis MT, Yang S. Hybrid meta-heuristic algorithms for independent job scheduling in grid computing. Applied Soft Computing. 2018, IF 3.541(WoS), @2018 [Линк](#) 1.000
341. Kumar, E.S. and Vengatesan, K., Trust based resource selection with optimization technique. Cluster Computing Vol. 22(1), pp.207-213. IF 2.040 (WoS), @2019 [Линк](#) 1.000
342. Vir, R., Vasudeva, R. and Sharma, V., 2019, January. Optimised Scheduling Algorithms and Techniques in Grid Computing. In International Conference on Smart Innovation, Ergonomics and Applied Human Factors (pp. 231-244). Springer, Cham., @2019 [Линк](#) 1.000
343. Dawid Tomaszewicz, Analysis of D'Wave 2000Q Applicability for Job Scheduling Problems, Thesis for the degree of Master, Department of Informatics, Faculty of Information Technology, Electronics and Telecommunications, AGH University of Science and Technology. Thesis submitted for the degree of Master in Programming and System Architecture, Department of Informatics, Faculty of Mathematics and Natural Sciences UNIVERSITY OF OSLO, Spring 2020 WYDZIAŁ INFORMATYKI, ELEKTRONIKI I TELEKOMUNIKACJI KATEDRA INFORMATYKI, @2020 [Линк](#) 1.000
344. Hans Henrik Sande, Resource Allocation in Geographically Distributed Multi-Cloud Environments, Thesis submitted for the degree of Master in Programming and System Architecture, Department of Informatics, Faculty of Mathematics and Natural Sciences UNIVERSITY OF OSLO, Spring 2020, @2020 [Линк](#) 1.000
345. Lavanya, M., B. Shanthi, and S. Saravanan. "Multi objective task scheduling algorithm based on SLA and processing time suitable for cloud environment." Computer Communications 151, 2020, 183-195., @2020 [Линк](#) 1.000
346. Tzanetos, Alexandros, and Georgios Dounias. "A Comprehensive Survey on the Applications of Swarm Intelligence and Bio-Inspired Evolutionary Strategies." Machine Learning Paradigms. Springer, Cham, 2020. 337-378., @2020 [Линк](#) 1.000
347. ANKITA, Sahana, S.K., Solving grid scheduling problem using an amalgam of swarm and traditional approach (2021) Sadhana - Academy Proceedings in Engineering Sciences, 46 (4), art. no. 202, IF 1.188., @2021 [Линк](#) 1.000

348. Konjaang, J.K., Xu, L., Meta-heuristic Approaches for Effective Scheduling in Infrastructure as a Service Cloud: A Systematic Review, Journal of Network and Systems Management Volume 29, Issue 2, April 2021, Article number 15, @2021 [Линк](#) 1.000
 349. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
 350. Rosch-Grace D, Straub J. Consideration of the Need for Quantum Grid Computing. arXiv preprint arXiv:2106.11341. 2021 Jun 21., @2021 [Линк \(x\)](#) 1.000
 351. Cheikh, S. and Walker, J.J., 2022. Solving Task Scheduling Problem in the Cloud Using a Hybrid Particle Swarm Optimization Approach. International Journal of Applied Metaheuristic Computing (IJAMC), 13(1), pp.1-25.DOI: 10.4018/IJAMC.2022010105, @2022 [Линк](#) 1.000
 352. Nazir, B., Ahmad, Z., Dynamic energy efficient load balancing strategy for computational grid, (2022) Concurrency and Computation: Practice and Experience, 34 (1), ISSN 15320626, DOI: 10.1002/cpe.6484, IF 1.53, @2022 [Линк](#) 1.000
 353. Palaniappan J.R., "V-Crypto Images/Videos/Texts by Two Key Authentication Using ACO Algorithm Technique, " 2022 International Conference on Machine Learning, Computer Systems and Security (MLCSS), Bhubaneswar, India, 2022, pp. 387-392, doi: 10.1109/MLCSS57186.2022.00076., @2022 [Линк](#) 1.000
 354. Wang, Z., Bai, L., Liu, X., Chen, Y., Zhao, M. and Tao, J. "Dynamic Task Scheduling in Remote Sensing Data Acquisition from Open-Access Data Using CloudSim". Applied Sciences (Switzerland), 12(22), article number 11508, E-ISSN:2076-3417, doi:10.3390/app122211508, @2022 [Линк](#) 1.000
 355. Bhetwal S., Misra S.K., Survey on Task Scheduling with Ant Colony Optimization (2023) ICSCC 2023 - 3rd International Conference on Secure Cyber Computing and Communications, pp. 690 - 696, DOI: 10.1109/ICSCC58608.2023.10176927, @2023 [Линк](#) 1.000
20. Fidanova S.. Simulated Annealing for GRID Scheduling Problem. International Symposium on Modern Computing, IEEE, 2006, ISBN:0-7695-2643-8, DOI:10.1109/JVA.2006.44, 41-45

Цитира се е:

356. Kousalya K., Balasubramanie P. (2007) Resource Scheduling in a Computational Grid Using Ant Algorithm, In Proc. of First Int. Conf. on Computer, Control and Communication, Karachi, Pakistan., @2007 1.000
357. McMullan., McCollum P., (2007) Dynamic job scheduling on the grid environment using the great deluge algorithm, LNCS 4671, pp. 283-292., @2007 1.000
358. Wang Y., Tao W., Tang L., Zhong D. (2007) Ecosystem Model Based Grid resource Optimization Management, Int. J. of Computer Science and Network Security, Vol7(2), pp. 61-66., @2007 1.000
359. Bhanu S.M.S., Gopalan N.P. (2008) A Hyper-Heuristic Approach for efficient Resource Scheduling in Grid, Int. J. of Computers, Communications and Control, Vol. 3(3), pp.249 – 258., @2008 1.000
360. De Mello R.F., Senger L.J., On Simulated Annealing for the Scheduling of Parallel Applications, Proceedings – Symposium on Computer Architecture and High Performance Computing, (2008), pp. 29 – 36., @2008 1.000
361. Diaz J., Reyes S., Munoz-Caro C., Ninno A. (2008) A heuristic approach to task scheduling in internet-based Grids of computers, in Proc. Of 2nd Int. Conf. on Advanced Engineering Computing and Applications in Science, pp. 110- 116., @2008 1.000
362. Pop F., Dobre C., Criste V. (2008) Evolution of Multi-Objective Decentralized Scheduling for Applications Grid Environment, IEEE 4th Int. Conf. on Intellig. Computer Communications and Processing, pp. 231 – 238., @2008 1.000
363. J. Díaz, S. Reyes, A. Niño, C. Muñoz-Caro, (2009) A Survey of New Scheduling Strategies for Internet-Based Grids of Computers, In Proc. Of 3rd Iberian Grid Infrastructure Conference, Valencia, Spain, pp. 75 – 84., @2009 1.000
364. J. Díaz, S. Reyes, A. Niño, C. Muñoz-Caro, (2009) "A Heuristic Approach to the Allocation of Different Workloads in Computational Grid Environments, " International Journal on Advances in Software. Vol. 2, No. 1, pp. 1-10., @2009 1.000
365. Kermia O., (2009) Ordonnancement temps réel multiprocesseur de tâches non préemptives avec contraintes de précédence de périodicité stricte et de latence, DS Thesis, University Paris XI., @2009 1.000
366. Kousalya K. Balasubramine (2009), To improve ant algorithm's grid scheduling using local search, Int. J. of Computational Cognition, Vol 7(4), pp. 47 – 54., @2009 1.000
367. Li Z., Lliu X, Duan X., Yun J., (2009) Grid resource allocation based on particle swarm optimization. In Ptoc. of Power electronics and intelligent transportation system Vol 3, ISBN 978-142444246-1, pp. 93-96., @2009 1.000
368. Li, Z.-J., Liu, X.-D., Duan, X.-D., Wang, C.-R. (2009) Optimal solution for grid resource allocation using particle swarm optimization, In Proc. of 3rd International Conference on Multimedia and Ubiquitous Engineering, MUE 2009, Article number 5318912, pp. 339 – 346., @2009 1.000
369. Mabgar S.A.A. (2009) Optimization of combinatorial problems with parallel metaheuristics, PhD thesis Technical University Sofia, Bulgaria., @2009 1.000
370. Montes J., Sanchez A., Valdes J.J., Perez M.S., Herrero P., The Grid as a Single Entity: Towards a Behavior model of the whole Grid, Lecture Notes in Computer Science, Vol. 5331, Springer, Germany, (2008), pp. 886 – 897., @2009 1.000
371. Paletta M., Herrero P. (2009) A Simulated Annealing Method to Cover Dynamic Load Balancing in Grid Environment, Distributed Computing and Artificial Intelligence, J.M. Corchado et all (eds.), ASC 50, Springer, Germany. Pp. 1-10., @2009 1.000
372. Paletta M., Herrero P., (2009) An Awareness-Based Simulated Annealing Method to Cover Dynamic Load-Balancing in Collaborative Distributed Environments, Proceedings of the 2009 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology - Volume 02, ISBN:978-0-7695-3801-3 , pp. 371 – 374., @2009 1.000

373. Rawat, S.S., Rajamani, L. (2009) Experiments with CPU scheduling algorithm on a computational grid, IEEE International Advance Computing Conference, IACC 2009, art. no. 4808983, pp. 71-75., @2009 1.000
374. Somasundaram K., S. Radhakrishnan (2009) Task Resource Allocation in Grid Using Swift Scheduling, Int. J. of Computers, Communications and Control, Vol 4(2), pp 158 – 166., @2009 1.000
375. Xiaohong K., Xiqu C., Wei Z., Guianjun L., Hongiu J., (2009) A dynamic simulated annealing algorithm with self-adaptive technique for grid scheduling, Proceedings of the 2009 WRI Global Congress on Intelligent Systems, GCIS 2009 Volume 1, pp. 129 – 133., @2009 1.000
376. Zeng B., Wei J., Liu H., (2009) Dynamic Grid resource scheduling model using learning agent, In Proc. of IEEE Int. Conf. Networking, Architecture and Storage, NAS 2009, pp. 67 – 73., @2009 1.000
377. Aggarwal A., Du P., Kent R.D., (2010) Grid scheduling optimization based on resource characteristics, J. of Computational Information Systems, Vol 6(14), ISSN 15539105, pp. 4609 – 4616., @2010 1.000
378. Li, Z.-J., Liu, X.-D., Duan, X.-D. (2010) Optimization of grid resource allocation using improved particle swarm optimization algorithm, Computer Integrated Manufacturing Systems, ISSN 10065911, Vol.19 (12), pp. 2375 – 2382., @2010 1.000
379. Wang M., Zeng W., (2010) A comparison of four popular heuristics for task scheduling problem in computational grid, 2010 6th International Conference on Wireless Communications, Networking and Mobile Computing, WiCOM 2010, ISBN: 978-142443709-2, Article number 5600872, DOI: 10.1109/WICOM.2010.5600872., @2010 1.000
380. Xu J., Lam A.Y.S., Li V.O.K., (2010) Chemical reaction optimization for the grid scheduling problem, In. Proc of IEEE Int. Conf. On Communications, Cape Town, ISSN: 05361486, DOI: 10.1109/ICC.2010.5502406., @2010 1.000
381. Abdulal W., Yabas A. (2011) Mutation based simulated annealing algorithm for minimizing makespan in grid computing systems, In proc. of 3rd int. conf. On Electronics Computer Technology, ISBN 978-1-4244-8678-6, pp. 90 – 94., @2011 1.000
382. Alhaffa A., Abdulal W. (2011) A market-based study of optimal ATM'S deployment strategy, Int. J. of Machine Learning and Computing, Vol. 1(1), ISSN 2010-3700, pp. 104 – 112., @2011 1.000
383. Chandak A. V., Sahoo B., Turuk A. K., Heuristic Task Allocation Strategies for Computational Grid, Int. J. Advanced Networking and Applications, Vol 2(5), ISSN: 0975-0290, 2011, pp. 804 – 810., @2011 1.000
384. Jeyarani R., Vagaveni N., Vasanth Ram R. (2011) Self adaptive particle swarm optimization for efficient virtual machine provisioning in cloud, J. of Intelligent Information Technologies, Vol. 7(2) ISSN 15483657, pp. 25 – 44., @2011 1.000
385. Ma T., Yan Q., Lin W., Guan D., Lee S. (2011) Grid Task Scheduling: Algorithm Review, IETE Technical Review, Vol 28(2), pp. 158 – 167., @2011 1.000
386. Mangmeng TM, Ma T., Yan Q., Liu W.. (2011) A survey on grid task scheduling, Int. j. of Computer Applications in Technology, Vol 41(3-4), ISSN 09528091, pp.303 – 309., @2011 1.000
387. Xu J., Lam A.Y.S., Li V.O.K. (2011) Chemical reaction optimization for task scheduling in grid computing, IEEE Transaction on Parallel and Distributed Systems, Vol. 22(10), ISSN 10459219, pp.1624 – 1631. (IF 1.571), @2011 1.000
388. Camuel Raj J., Vasudevan N. (2011) Beyond Simulated Annealing in Grid Scheduling, J. of Computer Science and Engineering, Vol 3(3), pp. 1312 – 1318., @2011 1.000
389. Chandak A., Sahoo B., Turuk A.K., Task Scheduling Heuristic in Grid Computing, Int. J. of Computer Applications and Technologies Vol 1(1), ISSN 2278-8298, 2012, pp. 49 – 52., @2012 1.000
390. Chandak, Ashish, Bibhudatta Sahoo, and Ashok Kumar Turuk. "Agent based Task Scheduling in Grid." International Journal of Computer Applications and Technology 1, no. 2 (2012): 44-48., @2012 1.000
391. Di Stefano A., Morana G. (2012) A bio-inspired distributed algorithm to improve scheduling performance of multi-broker grids, J. of Natural Computing Vol 11(7), Springer-Verlag, DOI 10.1007/S11047-012-9319B. pp. 687-700., @2012 1.000
392. Feng J., Xu P., Wang J., Huang W., (2012) Multi-policy element scheduling algorithm for data access, Journal of Southeast University (Natural Science Edition), China, ISSN 1001-0505, SJR 0.171, Vol 42(5), pp. 820 – 824., @2012 1.000
393. Wael Abdulal1, Ahmad Jabas1, S. Ramachandram1 and Omar Al Jadaan, Task Scheduling in Grid Environment Using Simulated Annealing and Genetic Algorithm, Chapter 7, InTech publisher, 2012, pp.89 – 110., @2012 1.000
394. Wang Ch-M, Tsai Ch-W., Chang M-Ch., Yao Ch-S., An efficient local search for grid scheduling problem in learning system, In proc. of Fuzzy systems and knowledge discovery, May 2012, ISBN 978-1-4673-0025-4, pp. 2447 – 2451., @2012 1.000
395. Kostenko, V. A. (2013). Scheduling algorithms for real-time computing systems admitting simulation models. Programming and Computer Software, 39(5), ISSN 0361-7688, SJR 0.240, pp. 255-267., @2013 1.000
396. Nair, Gogila G., and P. Karthikeyan. "A Hierarchical Chemical Reaction Optimization for Varying Length Task Scheduling in Grid Computing.", International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622, Vol. 3, Issue 2, 2013, pp. 717-720., @2013 1.000
397. Nair, Gogila G., and P. Karthikeyan. "A Survey on optimization based job scheduling in grid computing." International Journal of Management, IT and Engineering 3, no. 4 (2013): 267-277., @2013 1.000
398. Nejatizadeh, S., Karamipour, M., & Eskandari, M. A New Heuristic Approach for Scheduling Independent Tasks on Grid Computing Systems, Int. Jour. Of Grid and Distributed Computing, Vol 6(4), 2013, pp. 97 - 106., @2013 1.000
399. Pooranian Z., Shojafar M., Abawajy J.N., Singhal M., Gloa: a new job scheduling algorithm for grid computing, International Journal of Interactive Multimedia and Artificial Intelligence, IJIMA, Vol 2(1), 2013, ISSN-e 1989-1660, pp. 59 – 64., @2013 1.000
400. Sahoo, B. Dynamic Load Balancing Strategies in Heterogeneous Distributed System. PhD thesis, Department of Computer Science and Engineering National Institute of Technology, Rourkela-769008, Odisha, INDIA, 2013., @2013 1.000

401. Sahoo, Bibhudatta, Jena, S .K., Mahapatra, S., Simulated Annealing based Heuristic Approach for Dynamic Load Balancing Problem on Heterogeneous Distributed Computing System, International Journal of Artificial Intelligent Systems and Machine Learning, vol.5, no 3, March 2013, ISSN 0974-9667, DOI: AIML032013004., @2013 1.000
402. Toch, L. Contributions aux techniques d'ordonnancement sur plates-formes parallèles ou distribuées, PhD Thesis, Université de Franche-Compte (2013)., @2013 1.000
403. Youness, H., Omar, A., & Moness, M. (2013, November). Fault tolerant heterogeneous scheduling for precedence constrained task graphs using simulated annealing. In Computer Engineering & Systems (ICCES), 2013 8th International Conference on (pp. 307-312). IEEE., @2013 1.000
404. Al-Khiaty, Mojeeb Al-Rhman, and Mariwan Ahmed. "Similarity assessment of UML class diagrams using simulated annealing." In Software Engineering and Service Science (ICSESS), 2014 5th IEEE International Conference on, IEEE, 2014, pp. 19-23., @2014 1.000
405. Al-Khiaty, Mojeeb Al-Rhman, and Moataz Ahmed. "Similarity assessment of UML class diagrams using simulated annealing." Software Engineering and Service Science (ICSESS), 2014 5th IEEE International Conference on. IEEE, ISSN 2327-0586, 2014, 19 – 23., @2014 1.000
406. Chniter H., Khalgui M., Jarray F., Adaptive embedded systems: New composed technical solutions for feasible low-power and real-time flexible OS tasks, 11th International Conference on Informatics in Control, Automation and Robotics, ICINCO 2014; Vienna; Austria, ISBN: 978-989758039-0, 2014, 92 – 101., @2014 1.000
407. Effatparvar, M., Hoseinpour, S., & Asadzadeh, V., Resource Allocation in Computational Grids environment Using Improved Particle Swarm Optimization Algorithm. International Journal of Computer Applications Technology and Research, 3(8), ISSN 2319-8656, 2014, 529-532., @2014 1.000
408. Krishnamoorthy, N., and R. Asokan. "Optimized Resource Selection to Promote Grid Scheduling Using Hill Climbing Algorithm." J. of Computer Science and Telecommunications, ISSN 2047-3338, Vol. 5(2), 2014, pp. 14 – 19., @2014 1.000
409. Kumar, E. S., & Sumathi, A., Trust Based Resource Selection Policies To Optimize Aco Scheduler In Grid Environment. International Journal of Applied Engineering Research, 9(22), ISSN 0973-4562, SJR 0.127, 2014, pp. 16461-16474., @2014 1.000
410. Mishra, M. K., Patel, Y. S., Rout, Y., & Mund, G. B., A Survey on scheduling heuristics in grid computing environment. International Journal of Modern Education and Computer Science (IJMECS), 6(10), IF 0.13, 2014, 57-83., @2014 1.000
411. Vigneswari, T., and M. A. Mohamed. "Scheduling in sensor grid middleware for telemedicine using ABC algorithm." International journal of telemedicine and applications 2014, Article ID 592342, 7 pages, @2014 1.000
412. Vigneswari, T., and MA Maluk Mohamed. "Performance Analysis of Initialization Methods for Optimizing Artificial Bee Colony Grid Scheduling.", Conference: Int'l Conf. Par. and Dist. Proc, DOI: 10.13140/2.1.3800.8008, 2014., @2014 1.000
413. Vigneswari, T., Mohamed, M. M. Optimal Grid Scheduling Using Improved Artificial Bee Colony Algorithm., Int J. of Computer, Control, Quantum and Information Engineering Vol. 8(11), 2014, pp. 1912 – 1920., @2014 1.000
414. Chniter, H., Khalgui, M., & Jarray, F., Combinatorial Optimization Approach for Feasible Low-Power and Real-Time Flexible OS Tasks. In Informatics in Control, Automation and Robotics, Lecture Notes in Electrical Engineering 370, Springer International Publishing, SJR 0.120, 2016, pp. 59-77., @2015 1.000
415. Katiyar, S., Mehta, N., & Gupta, A. SALB: Simulated Annealing Based Load Balancing in Grid. Int. J. of Emerging Technologies in Computer Science and Electronics, Vol16(2), ISSN 0976-1353, 2015, pp. 69-72., @2015 1.000
416. Liao, Q., Jiang, S., Hei, Q., Li, T., & Yang, Y., Scheduling Stochastic Tasks with Precedence Constrains on Cluster Systems with Heterogeneous Communication Architecture. In Algorithms and Architectures for Parallel Processing, LNCS 9532, SJR 0.339, Springer International Publishing, 2015, pp. 85 -99., @2015 1.000
417. Mehta, S. K. N., & Gupta, A. SALB: Simulated Annealing Based Load Balancing in Grid., Int. J. of Emerging Technology in Computer Science and Electronics, Vol. 16(2), ISSN 0976-1353, 2015, pp. 69 – 72., @2015 1.000
418. Neves, D., Lourenco, N., & Horta, N., Scheduling evaluation tasks for increased efficiency of parallel analog IC synthesis. In Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design (SMACD), 2015, @2015 1.000
419. Ren, Z., Zhang, X., & Shi, W., Resource Scheduling in Data-Centric Systems. In Handbook on Data Centers, Samee Khan, Albert Zomaya (eds.) Springer New York, ISBN 978-1-4939-2091-4, 2015, pp. 1307-1330., @2015 1.000
420. Selvi S., Manimegalai D., Task Scheduling Using Two-Phase Variable Neighborhood Search Algorithm on Heterogeneous Computing and Grid Environments, Arabian J. for Science and Engineering, Vol 40(3), ISSN 1319-8025, SJR 0.185, 2015, 817 – 844., @2015 1.000
421. Selvi, S., and D. Manimegalai. "Multiobjective Variable Neighborhood Search algorithm for scheduling independent jobs on computational grid." Egyptian Informatics Journal, Vol 16(2), ISSN 1110-8665, SJR 0.290, DOI:10.1016/j.eij.2015.06.001, 2015, pp. 199-212., @2015 1.000
422. Chniter, H., Khalgui, M., & Jarray, F., Combinatorial Optimization Approach for Feasible Low-Power and Real-Time Flexible OS Tasks. In Informatics in Control, Automation and Robotics, Lecture Notes in Electrical Engineering 370, Springer International Publishing, SJR 0.120, 2016, pp. 59-77. (SCOPUS), @2016 1.000
423. Molina, J.C. and Monge, J.J.F., Modelos de enfriamiento en recocido simulado. Revista Digital: Matemática, Educación e Internet, 16(2), ISSN 1659-0643, 2016. 1-14., @2016 1.000
424. Kumar, S., Mittal, S. and Singh, M., A Comparative Study of Metaheuristics based Task Scheduling in Distributed Environment. Indian Journal of Science and Technology, Vol 10(26), DOI: 10.17485/ijst/2017/v10i26/97031, ISSN (Print) : 0974-6846., @2017 [Линк](#) 1.000
425. Chen, Ruey-Maw, and Yin-Mou Shen. "Stochastic Greedy-Based Particle Swarm Optimization for Workflow Application in Grid.", Particle Swarm Optimization with Applications, Chapter 4, InTech Pub., (2018), 46-59., @2018 [Линк](#) 1.000
426. Duan, K., Fong, S., Siu, S.W., Song, W. and Guan, S.S.U., 2018. Adaptive Incremental Genetic Algorithm for Task Scheduling in Cloud Environments. Symmetry, 10(5), p.168. SJR 0.33, IF 1.457 (WoS), @2018 [Линк](#) 1.000

427. Ankita, Sahana S.K. (2019) A Comprehensive Survey on Computational Grid Resource Management. In: Nath V., Mandal J. (eds) Proceeding of the Second International Conference on Microelectronics, Computing & Communication Systems (MCCS 2017). Lecture Notes in Electrical Engineering, vol 476. pp. 97-108. Springer, Singapore, @2019 [Линк](#) 1.000
428. Ankita, Sahana Sudip, Comprehensive Survey on Computational Grid Resource Management, Microelektronics and Computational Systems, Lecture Notes in Electrical Engineering 476, Springer, 2019, 97 – 107. DOI: 10.1007/978-981-10-8234-4_10 SJR 135(SCOPUS), @2019 [Линк](#) 1.000
429. Tiwari, P., Chande, S.V., Join Query Optimization Using Genetic Ant Colony Optimization Algorithm for Distributed Databases (2019) Communications in Computer and Information Science, 985, pp. 224-239., @2019 [Линк](#) 1.000
430. Todorov, V., Dimov, I., Dimitrov, Y., Ostrowsky, T. and Georgieva, R., 2019, October. A comparison of quasi-Monte Carlo methods based on Faure and Sobol sequences for multidimensional integrals in air pollution modeling. In AIP Conference Proceedings (Vol. 2164, No. 1, p. 030002). AIP Publishing LLC., @2019 [Линк](#) 1.000
431. 朱海峰 和 房旭, 2019. GIS 支持下的土地收益平衡测算方法研究. 计算机与数字工程, 47(4), pp.789-793., @2019 [Линк](#) 1.000
432. 王恩重 和 陶传奇, 2019. 基于改进蚁群优化算法的云计算调度方法. 计算机与数字工程, 47(4), pp.743-747., @2019 [Линк](#) 1.000
433. Liu, Y., Du, C., Chen, J., Du, X., Scheduling energy-conscious tasks in distributed heterogeneous computing systems (2021) Concurrency and Computation: Practice and Experience, . IF 1.536, @2021 [Линк](#) 1.000
434. Moghaddam NG. The Effects of System Characteristics on the Performance of Resource Allocation Algorithms in a Heterogeneous Environment (Doctoral dissertation, University of California, Irvine)., @2021 [Линк](#) 1.000
435. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
436. Shengrui Peng, Daniel Rippel, Matthias Becker, Helena Szczerbicka, Scheduling of Offshore Wind Farm Installation using Simulated Annealing, IFAC-PapersOnLine, Vol 54(1), 2021, 325-333. <https://doi.org/10.1016/j.ifacol.2021.08.037>, @2021 [Линк](#) 1.000
437. Bracke V., Santos J., Wauters T., Volckaert B., A multiobjective metaheuristic-based containerconsolidation model for cloud applicationperformance improvement, DOI: 10.21203/rs.3.rs-3755486/v1, @2023 [Линк \(x\)](#) 1.000
438. Bracke, V., Werrebrouck, G., Santos, J. et al. Online Dynamic Container Rescheduling for Improved Application Service Time. J Netw Syst Manage 31, 80 (2023). IF 3.6, <https://doi.org/10.1007/s10922-023-09766-9>, @2023 [Линк](#) 1.000

21. Fidanova S.. 3D HP Protein Folding Using Ant Algorithm. In proc of BioPs'06, 2006, 19-26

Цитира се е:

439. Lopes H. S. (2008), Evolutionary Algorithms for the Protein Folding Problem: A review and current trends, J. Studies in Computational Intelligence, Vol. 151, pp. 297 – 315., @2008 1.000
440. Martino Fantato (2010), Un Algoritmo Genetico per la Presentazione della Configurazione Spaziale del Nucleo Idrofobico di Proteine, PhD thesis, University of Padova., @2010 1.000
441. V. Nandina, (2010) A more robust ant colony learning algorithm with application to traveling salesman problem. Thesis, University of New Mwxico, USA, July 2010., @2010 1.000
442. Santos, J., Villot, P., & Diéguez, M. (2013) Cellular Automata for Modeling Protein Folding Using the HP Model, IEEE Congres on Evolutionary Computation, 20-23 June 2013, Cancun, Mexico, ISBN 978-1-4799-0453-2, pp. 1586-1593 ., @2013 1.000
443. Santos, J., Villot, P., & Diéguez, M. (2013, July). Protein folding with cellular automata in the 3D HP model. In Proceeding of the fifteenth annual conference companion on Genetic and evolutionary computation conference companion, ISBN: 978-1-4503-1964-5 (pp. 1595-1602). ACM., @2013 1.000
444. Santos, J., Villot, P., & Diéguez, M., Emergent Protein Folding Modeled with Evolved Neural Cellular Automata Using the 3D HP Model. Journal of Computational Biology, doi:10.1089/cmb.2014.0077, .2014., @2014 1.000
445. Thilagavathi, N., and T. Amudha, ACO metaheuristic for 3D-HP protein folding optimization, ARPN Journal of Engineering and Applied Sciences Vol.10(11), ISSN 1819-6609, SJR 0.213, 2015, pp. 4948-4953., @2015 1.000
446. Khan M.A., Shahzad W., Baig, A.R., Protein classification via an ant-inspired association rules-based classifier, Int. J. of Bio-Inspired Computing, Vol 8(1), ISSN: 1758-0366 , IF 3.969, SJR 1.242, 2016, 51-65. (WoS)), @2016 1.000
447. Khan, Muhammad Asif. "A Mathematical Model Quantifying Sequence Alignment for Constructing Phylogenetic Trees and Ant-Minor Protein Structure Classification." PhD diss., National University of Computer and Emerging Sciences Islamabad, 2019., @2019 [Линк](#) 1.000
448. Varela, D., Santos, J., Niching methods integrated with a differential evolution memetic algorithm for protein structure prediction, Swarm and Evolutionary Computation Volume 71, June 2022, 101062, Elsevier, IF 7.177, @2022 [Линк](#) 1.000

2007

22. Fidanova S.. An Heuristic Method for GPS Surveying Problem, Computational Science. Lecture Notes in Computer Science, 4450, Springer, 2007, ISSN:0377-0427, 1084-1090. SJR:0.339

Цитира се е:

449. 1. Roeva O. (2008) Improvement of Genetic Algorithm Performance for Identification of Cultivation Process Models, In proc. of WSEAS Int. Conf. On Evolutionary Computing, pp. 34 – 39., @2008 1.000
450. Angelova M., Pencheva T., Tuning genetic algorithm parameters to improve convergence time, Int. J. of Chemical Engineering, ISSN 1687806X, 2011, DOI 10.1155/2011/646917., @2011 1.000
451. Angelova M., Malo-Pinto P., Pencheva T., Modified Simple Genetic Algorithms Improving Convergence Time for the Purposes of Fermentation Process Parameter Identification, WSAES Transactions on Systems, Vol 11(7), ISSN 1109-2777, 2012, SJR 0.030, pp. 256 – 267., @2012 1.000
452. Jaferi F., Sajadi S.M., Finding the shortest route surveying through proposed genetic algorithm, Int J. of Productivity and Quality Management, Vol. 16(4), ISSN 1746-6474, SJR 0.360, 2015, pp. 434-444., @2015 1.000
453. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000

23. **Fidanova S.** Hybrid Heuristic Algorithm for GPS Surveying Problem. Lecture Notes in Computer Science, 3410, Springer, 2007, ISSN:0377-0427, 239-246. SJR:0.339

Цитира се в:

454. Chen Xiang-guo, Wu Xiao-yue, (2009), Ant Colony Algorithm for Satellite Data Transmission Scheduling Problem, J. of System Engineering, Vol.24(4), pp. 451-456., @2009 1.000
455. Chen Xiang-guo, Wu Xiao-yue, (2009), Ant Colony Optimization Algorithm for Satellite Data Transmission Scheduling Based on Different Pheromone Updating Strategy, J. of Operational research and management science, Vol 18(3), pp. 57-63., @2009 1.000
456. Chen Xiang-guo, Wu Xiao-yue, (2009), Model and Algorithm of Ant Colony Optimization for Satellite Data Transmission Scheduling, J. of Computer Engineering and Applications, Vol. 45(16), pp. 225-231., @2009 1.000
457. Mabgar S.A.A. (2009) Optimization of combinatorial problems with parallel metaheuristics, PhD thesis Technical University Sofia, Bulgaria., @2009 1.000
458. Song T., Wang S., An W. (2009) GPS Positioning Accuracy Estimation using Cornish-Fisher Expansion, In Proc of Int. Conf. on Communications and Mobile Computing, pp. 152 – 155., @2009 1.000
459. Chen X-G., Wu X-Y. (2010) Application of tasks scheduling heuristics in ACO algorithm for satellite data transmission, J. System Engineering and Electronics, Vol 32(6), ISSN 10001-506X, pp. 1251 – 1257., @2010 1.000
460. Sun B., Chen X., (2012) Ant Colony Optimization for Multi-Objective Satellite Data Transmission Scheduling, J. of Computer Engineering and Applications, Vol 48(21), ISSN 10002-8331, pp. 137 – 142., @2012 1.000
461. Roeva, Olympia. "Genetic Algorithm and Firefly Algorithm Hybrid Schemes for Cultivation Processes Modelling." Transactions on Computational Collective Intelligence XVII, Lecture Notes in Computer Science 8790, Springer Berlin Heidelberg, ISBN: 978-3-662-44993-6, DOI: 10.1007/978-3-662-44994-3_10, SJR 0.310, 2014, 196-211., @2014 1.000
462. Jaferi, F., & Sajadi, S. M. Finding the shortest route surveying through proposed genetic algorithm. International Journal of Productivity and Quality Management, 16(4), (2015) 434-444., @2015 1.000
463. Bostanci, B., Karaağaç, A. Investigating the shortest survey route in a GNSS traverse network (2019) Tehnicki Vjesnik, 26 (2), pp. 355-362., @2019 [Линк](#) 1.000
464. Mercy, M. Grace, et al. "Ant Colony Optimization Algorithm GPS Clustering Approach." Journal of Physics: Conference Series. Vol. 2040. No. 1. IOP Publishing, 2021., @2021 [Линк](#) 1.000
465. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000

2008

24. **Fidanova S.** Probabilistic Model of Ant Colony optimization for Multiple Knapsack Problem. Lecture Notes in Computer Science, 4818, Springer, 2008, 545-552. SJR:0.339

Цитира се в:

466. Xiong X.-H., Wang A.-B., Ning A.-B. (2010) Competitive Decision Algorithm for 0-1 Multiple Knapsack Problem, In proc. of Second Int Workshop on Education Technology and Computer Science, Wuban, Hubei, Chine, pp. 252 -255., @2010 1.000
467. Soto Daniel, Soto Wilson, Pinzón Yoan, Algoritmo de Optimización de Colonia de Hormigas Multiobjetivo Aplicado al Problema de la Mochila Multidimensional, M.A. Cruz-Chávez (Ed): CICos 2011, ISBN. 978-607-00-5091-6. pp. 47 –58, 2011., @2011 1.000
468. Donziger M., Amaral Henrique M.A., (2012) Computational intelligence applied on cryptography: A brief review, IEEE Latin American Transactions, Vol 10(3), SJR 0.030, ISSN 1548-0992, pp. 1798 – 1810., @2012 1.000
469. Li J., Zhou A., Zhong G. (2012) A decomposition based estimation of distribution algorithm for multiobjective knapsack problem, IN proc of Natural Computing, China, ISSN 2157-9555, pp. 803 – 807, @2012 1.000

470. Mavrovouniotis, Michalis. "Ant Colony Optimization in Stationary and Dynamic Environments." PhD diss., University of Leicester, 2013., @2013 1.000
471. Schiff K., Ant colony optimization algorithm for the 0-1 knapsack problem, International Congress on Control and Information Processing 2013 (ICCIP'13), 7-8 December 2013, Cracow, Poland pp. 39 – 52., @2013 1.000
472. Li, Y., Zhou, A., & Zhang, G. (2014, June). A probability model based evolutionary algorithm with priori and posteriori knowledge for multiobjective knapsack problems. In Intelligent Control and Automation (WCICA), 2014 11th IEEE World Congress on pp. 1330-1335., @2014 1.000
473. Schiff, K. "Heuristic algorithm for logistic decisions on optimal loading into transpor, Logistica 2, 2015, 686 – 693., @2015 1.000
474. Singh, G. and Jain, L., Increasing Impact of ACO in solving Rectangular Packing Problems, International Journal of Recent Trends in Engineering & Researc, Vol. 2(5), ISSN: 2455-1457, 2016, 16-26., @2016 1.000
475. Abayomi Emmanuel AdegboyegaTitilayo Omolara JohnsonTitilayo Omolara JohnsonSimeon OmaleSimeon Omale, Computational modeling of the pharmacological actions of some antiviral agents against SARS-CoV-2, Data Science for COVID-19 Computational Perspectives, 2021, Pages 467-482, @2021 [Линк](#) 1.000
476. Hassan, Said Ali, et al. "Scheduling shuttle ambulance vehicles for COVID-19 quarantine cases, a multi-objective multiple 0–1 knapsack model with a novel Discrete Binary Gaining-Sharing knowledge-based optimization algorithm." Data Science for COVID-19. Academic Press, 2021. 675-698., @2021 [Линк](#) 1.000
477. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
478. Hassan A.A., Wagdi A., A Generalized Model for Scheduling Multi-Objective Multiple Shuttle Ambulance Vehicles to Evacuate COVID-19 Quarantine Cases, Decision Sciences for COVID-19, Operations Research & Management Science , 320, ISBN 978-3-030-87018-8, 287-303, 2022, DOI: 10.1007/978-3-030-87019-5_17, @2022 [Линк](#) 1.000
479. Hassan S.A., Agrawal P., Ganesh T., Mohamed A.W., A multiobjective nonlinear combinatorial model for improved planning of tour visits using a novel binary gaining-sharing knowledge- based optimization algorithm (2022) Multi-Objective Combinatorial Optimization Problems and Solution Methods, pp. 237 - 264, Cited 0 times. DOI: 10.1016/B978-0-12-823799-1.00012-7, @2022 [Линк](#) 1.000
480. Hassan, S. A., Agrawal, P., Ganesh, T., & Mohamed, A. W. (2022). A Novel Discrete Binary Gaining-Sharing Knowledge-Based Optimization Algorithm for the Travelling Counselling Problem for Utilization of Solar Energy. International Journal of Swarm Intelligence Research (IJSIR), 13(1), 1-24., @2022 [Линк](#) 1.000
25. **Fidanova S.** MMAS and ACS for GPS Surveying Problem. in proc. of Int Conf on Evolutionary Computing, 2008, 87-91
- Цитирана се в:
481. Sharif M.A., Abolhsani S., Zahedi Anaraki A.H., Jeihoonalan M., Using Ant Colony System to produce session schedules for GPS surveying network, Int. Review on Computers and Software, Vol 7(4), IF(6.14), SJR(0.197), 2012, pp. 1650 – 1655., @2012 1.000
482. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
26. **Fidanova S., Atanassov K.** Generalized net models of the process of ant colony optimization with intuitionistic fuzzy estimations.. Proceedings of the Ninth International Workshop on Generalized Nets, 2008, 41-48
- Цитирана се в:
483. Atanassova V., Изследване на алгоритми за конструиране на обобщено мрежови модели, PhD Thesis, Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, 2013., @2013 1.000
484. Zoteva D, Krawczak M. Generalized Nets as a Tool for the Modelling of Data Mining Processes. A Survey. Issue of IFS and GN, Vol. 13, 2017, pp. 1-60. <http://ifigenia.org/mediawiki/images/e/e9/Issues-13-2017-001-060.pdf>, @2017 [Линк](#) 1.000
485. Zoteva D., Angelova N. (2021) Generalized Nets. An Overview of the Main Results and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_10, @2021 [Линк](#) 1.000
486. García M., López N., Rodríguez I. A full process algebraic representation of Ant Colony Optimization (2024) Information Sciences, 658, art. no. 120025, DOI: 10.1016/j.ins.2023.120025, IF 8.1, @2024 [Линк](#) 1.000
27. **Fidanova S., Atanassov K.** Generalized Net Models of the Process of Ant Colony Optimization. Issues on Intuitionistic Fuzzy Sets and Generalized Nets, 7, 2008, 108-114
- Цитирана се в:
487. Atanassova V., Изследване на алгоритми за конструиране на обобщено мрежови модели, PhD Thesis, Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, 2013., @2013 1.000
488. Zoteva D, Krawczak M. Generalized Nets as a Tool for the Modelling of Data Mining Processes. A Survey. Issue of IFS and GN, Vol. 13, 2017, pp. 1-60., @2017 [Линк](#) 1.000

489. Zoteva D., Angelova N. (2021) Generalized Nets. An Overview of the Main Results and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_10, @2021 [Линк](#) 1.000
28. **Fidanova S, Lirkov I.** Ant Colony System Approach for Protein Folding. Proceedings of the International Multiconference on Computer Science and Information Technology, 3, 2008, ISBN:978-83-60810-14-9, ISSN:1896-7094, 887-891
- Цитира се в:
490. Al-Qattan, Zakaria Noor Aldeen Mahmood. "Angle Based Protein Tertiary Structure Prediction Using Bees Optimization Algorithm." PhD diss., Universiti Utara Malaysia, 2010., @2010 1.000
 491. Hulyantskyi, Leonid, and Vitalina Rudyk. "PROTEIN STRUCTURE PREDICTION ON A THREE-DIMENSIONAL TRIANGULAR LATTICE." Information Models of Knowledge, ISBN 978-954-16-0048-1, (2010): 198 – 208., @2010 1.000
 492. Zhao Jing, Sun Jun, Xu Wen, Improved binary quantum behaved particle swarm optimization to protein folding, Application research of computers, Vol 28(9), ISSN 1001-3695, 2011, 382-384., @2011 1.000
 493. Boltuzic F. And Rakitovic A., A Hybride Ant Colony System Approache for Solving Capacited Vehicle Routing Problem with Time Windows, In proc. Of MIPRO 2012 Opatia Croatia, ISBN 978-1-4673-1577-6, 2012, pp. 1758 – 1762., @2012 1.000
 494. Mahmood Z.N., Mahmuddin M., Mahmood M.N., Protein Tertiary Structure Prediction Based on Main Chain Angle Using a Hybride Bees Colony Optimization Algorithm, Int. J. of Modern physics, Vol. 9, World Scientific, ISSN: 2010-1945, 2012, pp. 143 – 156., @2012 1.000
 495. Villacorta P.J., Pelta D.A., Ant Colony Optimization for Automatic Design of Strategies in a Adversarial Model, Studies in Computational Intelligence, Vol 387, 2012, pp. 1 – 19., @2012 1.000
 496. Гуляницкий, Леонид, and Виталина Рудык. "АНАЛИЗ АЛГОРИТМОВ ПРОГНОЗИРОВАНИЯ ТРЕТИЧНОЙ СТРУКТУРЫ ПРОТЕИНА НА БАЗЕ МЕТОДА ОПТИМИЗАЦИИ МУРАВЬИНЫМИ КОЛОНИЯМИ.", Problems of Computer Intellectualization, ISBN 978-966-02-6529-5, 2012, pp. 152 – 159., @2012 1.000
 497. Alqattan, Zakaria NM, and Rosni Abdullah. "A Comparison between Artificial Bee Colony and Particle Swarm Optimization Algorithms for Protein Structure Prediction Problem." In Neural Information Processing, LNCS 8227, ISSN: 0302-9743, SJR 0.332, Springer Berlin Heidelberg, 2013, pp. 331-340., @2013 1.000
 498. Alqattan, Zakaria NM, and Rosni Abdullah. "Artificial Bee Colony Optimization Algorithm with Crossover Operator for Protein Structure Prediction." Soft Computing Applications and Intelligent Systems. Springer Berlin Heidelberg, Communications in Computer and Information Science, Vol. 378, ISSN: 1865-0929 , 2013. 147-157., @2013 1.000
 499. Dresselhaus T., Yang J., Kumbhar S., Waller M. P., Hybrid metaheuristic approach for nonlocal optimization of molecular systems, J. Of Chemical Theory and Computation, Vol 9(4), ISSN: 15499618, IF 5.215, SJR 2.315, 2013, pp. 2137 - 2149., @2013 1.000
 500. Hulyantskyi, L. F., and V. O. Rudyk. "Protein structure prediction problem: formalization using quaternions." Cybernetics and Systems Analysis Vol. 49(4), ISSN: 1060-0396, SJR 0.200, (2013): 597 - 602., @2013 1.000
 501. Oakley, Mark T., et al. "Protein Structure Optimisation With a" Lamarckian" Ant Colony Algorithm." IEEE/ACM transactions on computational biology and bioinformatics/IEEE, ACM, IF 1.616, SJR 0.712, ISSN: 1545-5963, Vol. 10(6) (2013), 1548 – 1552., @2013 1.000
 502. Fadhl M. Al-Akwaa, Husam Elhetari, Noman Al Naggar and Mahmoud A. Al-Rumaima, Comparison of the 3D Protein Structure Prediction Algorithms Int. Journal of Engineering Research and Applications ISSN : 2248-9622, Vol. 4, Issue 2(Version 1), February 2014, pp.462-467, @2014 [Линк](#) 1.000
 503. Hasan, Md Anayet, S. M. Alauddin, Mohammad Al Amin, Suza Mohammad Nur, and Adnan Mannan. "In Silico Molecular Characterization of Cysteine Protease YopT from Yersinia pestis by Homology Modeling and Binding Site Identification." J. Drug target insights 8, ISSN: 1177-3928, (2014): 1-9., @2014 [Линк](#) 1.000
 504. Kumar, M., Pandey, S., Jaiswal, K. L., & Yadav, P., Ab-initio Algorithms for 3D-Protein Structure Prediction, International Journal of Computer Science and Mobile Computing, Vol.3 Issue.5, ISSN 2320-088X, 2014, pg. 983-993., @2014 1.000
 505. Qing Liu, Research on Artificial Fish Swarm Algorithm, PhD thesis, University of Fukui, Japan. 2014, @2014 [Линк](#) 1.000
 506. Shin S.Y., Bahri I.D.B.S., A new approach of routing algorithms in nanonetwork for molecular communication, Mechatronics Engineering and Computing Technology, Applied Mechanics and Materials Vol 556-562, ISSN:1660-9336, SJR 0.125, 2014, pp. 3670 – 3673., @2014 [Линк](#) 1.000
 507. Veeralakshmi, V., and D. Ramyachitra. "An Experimental Analysis of Evolutionary and Swarm Intelligence Algorithms for 3D HP Structure Prediction." Int. J. of Computational Intelligence and Informatics, ISSN 2349-6363, Vol 4(2), 2014, pp. 110-116., @2014 [Линк](#) 1.000
 508. Waller M.P., Kumbhar S., Yang J., A density-based adaptive quantum mechanical/molecular mechanical method, ChemPhysChem, Vol 15(15), SJR 1.535, ISSN:1439-4235, 2014, pp. 3218 – 3225., @2014 [Линк](#) 1.000
 509. Bahri, I. D. S., Shin, S. Y., & Aziz, S. A. C., Molecular Modeling Characteristics Based on Bio-inspired Ant Colony Optimization in Long-range Nanonetworks. Journal of Telecommunication, Electronic and Computer Engineering (JTEC), 7(2), 2015, 27-32., @2015 [Линк](#) 1.000
 510. García-Martínez, J. M., Garzón, E. M., Cecilia, J. M., Pérez-Sánchez, H., & Ortigosa, P. M., An efficient approach for solving the HP protein folding problem based on UEGO. Journal of Mathematical Chemistry, 53(3), ISSN: 0259-9791, IF 1.1452015, 794-806., @2015 [Линк](#) 1.000
 511. Garcia-Martinez, J.M., Garzón, E.M., Cecilia, J.M., Pérez-Sánchez, H. and Ortigosa, P.M., 2015. A GPU solution of the HP Protein Folding Problem based on UEGO. IWBBIO 2015, p.59-62., @2015 1.000
 512. J.M. García-Martínez, E.M. Garzón, J.M. Cecilia, H. Pérez-Sánchez, P.M. Ortigosa, A GPU solution of the HP Protein Folding Problem based on UEGO, IWBBIO 2015, International work-conference on Bioinformatics and biomedical engineering Extended abstracts, Francisco Ortuño Ignacio Rojas eds. 15-17 April, 2015 Granada (SPAIN), ISBN: 978-84-16292-17-2, 59-62, @2015 [Линк](#) 1.000

513. N. Thilagavathi and T. Amudha. ACO-metaheuristic for 3D-HP protein folding optimization. ARPN Journal of Engineering and Applied Sciences, 10(11):4948-4953, 2015. SJR 0.202, @2015 [Линк](#) 1.000
514. N. Thilagavathi and T. Amudha. Rank based ant algorithm for 2D-HP protein folding. Smart Innovation, Systems and Technologies, 33:441-451, Springer, 2015., @2015 [Линк](#) 1.000
515. Thilagavathi, N., and T. Amudha. "Rank based ant algorithm for 2D-HP protein folding." Computational Intelligence in Data Mining-Volume 3. Smart Innovation, Systems and Technologies, 33, Springer, ISSN 2190-3018, ISBN 978-81-322-2201-9, DOI 10.1007/978-81-322-2202-6_40, 2015. 441-451., @2015 [Линк](#) 1.000
516. Carvajal Patiño, Diego Felipe. Un método híbrido para la predicción de la estructura terciaria de las proteínas a partir de su secuencia de aminoácidos. MSc thesis, Universidad Nacional de Colombia-Sede de Bogotá, Columbia., @2016 [Линк](#) (x) 1.000
517. Khaji, E., Karami, M., & Garkani-Nejad, Z., 3D protein structure prediction using Imperialist Competitive algorithm and half sphere exposure prediction. Journal of Theoretical Biology, 391 Elsevier, ISSN: 0022-5193, IF 2.116, 2016, 81-87. (SCOPUS) (WoS), @2016 [Линк](#) 1.000
518. Sirous Panahi, Jason Watson, Helen Partridge, Information encountering on social media and tacit knowledge sharing, Journal of Information Science, Vol 42, Issue 4, pp. 539-550, 2016 DOI 10.1177/0165551515598883, @2016 [Линк](#) 1.000
519. Brasil CR, Dias JM. Comparando algoritmos de otimização computacional aplicados ao problema de predição de estruturas proteicas com modelo HP-2D. Revista Brasileira de Computação Aplicada, Vol 9(3) 2017; 87-99. doi: 10.5335/rbca.v9i3.7005, @2017 [Линк](#) 1.000
520. Satpathy, Raghunath. "Bioinspired Algorithms in Solving Three-Dimensional Protein Structure Prediction Problems." Bio-Inspired Computing for Information Retrieval Applications. Chapter 12, IGI Global, 2017. 316-337 DOI: 10.4018/978-1-5225-2375-8.ch012 (Scopus), @2017 1.000
521. Satpathy, Raghunath. "Bioinspired Algorithms in Solving Three-Dimensional Protein Structure Prediction Problems." Bio-Inspired Computing for Information Retrieval Applications. IGI Global, 2017. 316-337. DOI: 10.4018/978-1-5225-2375-8.ch012, @2017 [Линк](#) (x) 1.000
522. Christiane Regina Soares Brasil, Douglas Monteiro Cavalcanti, Algoritmos de inteligência de enxame com busca local baseada em pull move aplicados ao problema de predição de estrutura de proteínas no modelo 2D HP. Anais do XII Encontro Acadêmico de Modelagem Computacional - EAMC 2019, 111-120, @2019 [Линк](#) 1.000
523. I. M. Fefelova, V. I. Lytvynenko, A. O. Fefelov, Prediction of the tertiary structure of a protein on a two-dimensional triangular lattice by a hybrid evolutionary algorithm, Ukrainian Journal of Information Technologies, Volume 3, Number 2 : 27-32, doi 10.23939/ujit2021.02.027, @2021 [Линк](#) 1.000
524. Satpathy R. Artificial Neural Network (ANN) Techniques in Solving the Protein Folding Problem. In Advanced AI Techniques and Applications in Bioinformatics 2021 Oct 17 (pp. 189-200). CRC Press. ISBN 9781003126164, @2021 [Линк](#) 1.000
525. Moharana, M., Khan, F., Pattanayak, S.K. (2024). Diagnosis Support for Diabetes with Ant Colony Optimization. In: Dey, N. (eds) Applications of Ant Colony Optimization and its Variants. Springer Tracts in Nature-Inspired Computing. Springer, Singapore. https://doi.org/10.1007/978-981-99-7227-2_4, @2024 [Линк](#) 1.000

2009

29. **Fidanova S.**, Alba E., Molina G.. Memetic Simulated Annealing for GPS Surveying Problem. Lecture Notes in Computer Science, 5434, Springer, 2009, 281-288. SJR:0.339

Цитира се в:

526. Rangel-Valdes N., Torres-Jimenez J., Bracho-Rios J., Quiz-Ramos P. (2009) Problem and Algorithm Fine-Tuning a Case Study Using Bridge Club and Simulated Annealing, International Joint Conference on Computational Intelligence, Madeira, October 2009, pp. 302-305., @2009 1.000
527. Caamaño Sobrino, Pilar. "Caracterización de espacios de calidad y algoritmos evolutivos en problemas de optimización con codificación real." PhD thesis, Univ. de Coruna, Spain, (2011)., @2011 1.000
528. Nalepa, Jakub, and Miroslaw Blocho. "Verification of Correctness of Parallel Algorithms in Practice." Recent Advances in Computational Optimization, Vol 717. Springer International Publishing, 2018. 135-151. SJR 0.183 (SCOPUS), @2018 1.000
529. Moscato, P. and Mathieson, L., 2019. Memetic Algorithms for Business Analytics and Data Science: A Brief Survey. In Business and Consumer Analytics: New Ideas (pp. 545-608). Springer, Cham., @2019 [Линк](#) 1.000
530. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000

30. **Fidanova S., Marinov P.**.. Intuitionistic Fuzzy Estimation of the Ant Methodology. Cybernetics and Information Technology, 5, 2, 2009, 79-88

Цитира се в:

531. Atanassova V., Atanassov K., (2011) Ant colony optimization approach to tokens movement within generalized nets, Numerical Methods and Applications, Lecture Notes in Computer Science Vol. 6046, Springer, Germany, pp. 240 – 247., @2011 1.000

31. **Fidanova S.**, Atanassov K.. Generalized net models for the process of hybrid ant colony optimization. Comptes Rendus de l'Academie Bulgare des Sciences, 62, 3, BAS, 2009, 315-322. ISI IF:0.209

Цитира се в:

532. Atanasova V., Изследване на алгоритми за конструиране на обобщено мрежови модели, PhD Thesis, Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, 2013., @2013 1.000
 533. Zoteva D, Krawczak M. Generalized Nets as a Tool for the Modelling of Data Mining Processes. A Survey. Issue of IFS and GN, Vol. 13, 2017, pp. 1-60., @2017 [Линк](#) 1.000
 534. Zoteva D., Angelova N. (2021) Generalized Nets. An Overview of the Main Results and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_10, @2021 [Линк](#) 1.000
 535. García M, López N., Rodríguez I., A full process algebraic representation of Ant Colony Optimization, Information Sciences, 2023, 120025, ISSN 0020-0255, IF 8.1, <https://doi.org/10.1016/j.ins.2023.120025>, @2024 [Линк](#) 1.000
32. **Fidanova, S., Lirkov, I.** 3D protein structure prediction. J. Analele Universitatii de Vest din Timisoara, XLVII, 2, Universitatea de Vest din Timisoara, 2009, ISSN:1224-970X, 33-46
- Цитира се в:
536. Hasan M.A., Alauddin S.M., Amin M.A., Nur S.M., Mannan A., In silico molecular characterization of cysteine protease YopT from Yersinia pestis by homology modeling and binding site identification, J. Drug Target Insights, Vol 2014(8), SJR 0.251, ISSN 1177-3928, 2014, doi 10.4137/DTI.S13529, @2014 [Линк](#) 1.000
 537. Sánchez-Guerrero, E., Hernández-Campos, M. E., Correa-Basurto, J., Lopez-Sanchez, P., & Tolentino-López, L. E. (2015). Three-dimensional structure and molecular dynamics studies of prorenin/renin receptor: description of the active site. Molecular BioSystems, 11(9), 2520-2528., @2015 [Линк](#) 1.000
 538. Habib, A.M., Islam, M., Soheli, M., Mazumder, M., Hasan, H., Sikder, M., Faruk, O. and Shahik, S.M., Mining the Proteome of Fusobacterium nucleatum subsp. nucleatum ATCC 25586 for Potential Therapeutics Discovery: An In Silico Approach. Genomics & Informatics, 14(4), DOI 10.5808/GI.2016.14.4.255, 2016, pp.255-264., @2016 [Линк](#) 1.000
 539. Irajie, Cambyz, Milad Mohkam, Navid Nezafat, Fatemeh Mohammadi, and Younes Ghasemi. "In silico analysis of Nattokinase from Bacillus subtilis sp natto.", International Journal of Pharmaceutical and Clinical Research 2017; 9(4): 286-292, IF 1.668, @2017 [Линк](#) 1.000
 540. Kashif Shamim, Jaya Sharma, Milind Mutnale, Santosh Kumar Dubey, Saiya Mujawar, Characterization of a metagenomic serine metalloprotease and molecular docking studies, Process Biochemistry, Volume 71, 2018, Pages 69-75, ISSN 1359-5113, doi 10.1016/j.procbio.2018.05.020 (Scopus), @2018 [Линк](#) 1.000
 541. Shamim K, Sharma J, Mutnale M, Dubey SK, Mujawar S. Characterization of a metagenomic serine metalloprotease and molecular docking studies. Process Biochemistry. Elsevier, 2018, IF 2.497(WoS), @2018 [Линк](#) 1.000
33. Kutiev I., **Marinov P., Fidanova S.**, Warnant R.. Modeling Medium-Scale TEC Structures, Observed by Belgian GPS Receivers Network. Int. Journal Advances in Space Research, 43, 11, Elsevier, 2009, ISSN:273-1177, 1732-1739. ISI IF:0.774
- Цитира се в:
542. Paulino I., et al., Periodic waves in the lower thermosphere observed by OI630 nm airglow images, Annales Geophysicae, Vol. 34(2), pp. 293-301, DOI: 10.5194/angeo-34-293-2016, PUBLISHER: Copernicus GmbH, ISSN: 09927689, @2016 [Линк](#) 1.000
 543. Luo, J., Xu, J., Wu, K., Yuan, W., Wang, W., Zhang, J... Research on Long-distance MSTID Event Observed by Multi-instruments over Mid-latitude Regions of China (in Chinese). Chinese Journal of Space Science, 2022, 42(5): 901-912 doi: 10.11728/cjss2022.05.210722080, @2022 [Линк](#) 1.000
34. **Fidanova S., Atanasov K., Marinov P., Parvathi R.** Ant Colony Optimization for Multiple Knapsack Problem with Controlled Start. Journal on Bioautomation, 13, 4, 2009, ISSN:1312-451X, 271-280. SJR:0.228
- Цитира се в:
544. Mandal AK, Dehuri S. A Survey on Ant Colony Optimization for Solving Some of the Selected NP-Hard Problem. In International Conference on Biologically Inspired Techniques in Many-Criteria Decision Making 2019 Dec 19 (pp. 85-100). Springer, Cham., @2019 [Линк](#) 1.000
 545. Al-Khazraji, H., Khilil, S., Alabady, Z., Industrial picking and packing problem: Logistic management for products expedition (2020) Journal of Mechanical Engineering Research and Developments, 43 (2), pp. 74-80. SJR 0.19, @2020 [Линк](#) 1.000
 546. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
 547. Mandal A.K., A Step-by-Step Mathematical Derivation of Ant Colony Optimization for Solving Subset Selection Problems, International Journal of Research Publication and Reviews, Vol 4, no 12, pp 3488-3494 December 2023, , @2023 [Линк](#) 1.000
35. **Fidanova S., Atanasov K., Marinov P.** Intuitionistic Fuzzy Estimations of the Ant Colony Optimization. BGSIAM, 2009, 33-36
- Цитира се в:
548. Atanasova V., Изследване на алгоритми за конструиране на обобщено мрежови модели, PhD Thesis, Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, 2013., @2013 1.000

36. **Fidanova S., Marinov P., Alba E.** ACO for Optimal Sensor Layout. Int. Conf. on Evolutionary Computing, SciTePress-Science and Technology Publications, 2010, ISBN:978-989-8425-31-7, 5-9

Цитира се в:

549. Gogu A., Nare D., Dilo A., Mertnia N. (2011) Optimization problems in wireless sensor networks, In proc. of Int. Conf. on Complex Intelligent and Software Intensive Systems, Seoul, pp. 302 – 309., @2011 1.000
550. Gogu A., Nare D., Dilo A., Mertnia N. (2012) Review of Optimization Problems in Wireless Sensor Networks, Telecommunications Networks – Current Status and Future Trends, Chapter 7, Edited by Jesus Hamilton Ortiz, ISBN 978-953-51-0341-7, pp. 154 – 180., @2012 1.000
551. Yi. T-H., Wang C.-W., Li H.-N., (2014) Optimal triaxial sensor placement using distributed wolf algorithm, Journal of Vibration Engineering, Vol 27(5), ISSN: 1004-4523, SJR 0.386, pp. 668 – 675., @2014 1.000
552. Singh S., Sharma R. M., Optimization Techniques in Wireless Sensor Networks, Int. Conf. ICTCS, Ubaipur, India, 2016, (2016) ACM International Conference Proceeding Series, 04-05-March-2016, art. no. a140, DOI: 10.1145/2905055.2905200., @2016 [Линк](#) 1.000
553. Roeva O. Application of Artificial Bee Colony Algorithm for Model Parameter Identification. InInnovative Computing, Optimization and Its Applications, Studies of Computational Intelligence, 2018 (pp. 285-303). Springer, Cham. SJR 0.186 (SCOPUS), @2018 [Линк](#) 1.000
554. Parnianifard A., Saadi M., Pengnoo M., Imran M.A., Otabi S.A., Sasithong P., Vanichchanunt P., Polysuwan T., Wuttisittikulkij L., Hybrid Metamodeling/Metaheuristic Assisted Multi-transmitters Placement Planning, Computers Materials and Continua, Vol 68(1), 2021, 569-587. DOI: 10.32604/cmc.2021.015730, ISSN: 15462218., @2021 [Линк](#) 1.000
555. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934, pp. 385-419. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, ISSN: 1860949X., @2021 [Линк](#) 1.000
556. Sasithong P, Vanichchanunt P, Polysuwan T, Wuttisittikulkij L. Hybrid Metamodeling/Metaheuristic Assisted Multi-Transmitters Placement Planning. Computers, Materials & Continua, Tech Science Press 68(1), 2021, DOI:10.32604/cmc.2021.015730, 569-587., @2021 [Линк](#) 1.000
557. Thekiya, S., & Nikose, M. Energy Efficient Routing for Wireless Sensor Network using Ant Colony Algorithm., International Journal of Mechanical Engineering 1034 ISSN: 0974-5823 Vol. 7 No. 5 May, 2022, @2022 [Линк](#) 1.000
558. Okrah S.K., Wiah E.N., Otoo H., Addor J.A., A velocity-based ACO algorithm for optimizing routes and social cost, Scientific African, Volume 23, 2024, <https://doi.org/10.1016/j.sciaf.2023.e02031>, IF 2.9, @2024 [Линк](#) 1.000

37. **Fidanova S., Atanassov K.** Generalized net models and intuitionistic fuzzy estimation of the process of ant colony optimization Issues on Intuitionistic Fuzzy Sets and Generalized Nets, 8, 2010, 109-124

Цитира се в:

559. Banerjee, S. T.K. Roy. Solution of Stochastic Inventory Models with Chance-Constraints by Intuitionistic Fuzzy Optimization Technique. Int. Jour. of Business & Inf. Tech. Vol-1 No. 1 June 2011, 137-150, ISSN: 2047-0363., @2011 1.000
560. Atanassova V., Изследване на алгоритми за конструиране на обобщено мрежови модели, PhD Thesis, Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, 2013., @2013 1.000
561. Zoteva D., Angelova N. (2021) Generalized Nets. An Overview of the Main Results and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_10, @2021 [Линк](#) 1.000
562. García M, López N., Rodríguez I., A full process algebraic representation of Ant Colony Optimization, Information Sciences, 2023, 120025, ISSN 0020-0255, IF 8.1 <https://doi.org/10.1016/j.ins.2023.120025>., @2024 [Линк](#) 1.000

38. **Fidanova S., Atanassov K.** Generalized Nets as Tools for Modelling of the Ant Colony Optimization Algorithms. Lecture Notes in Computer Science, 5910, Springer, 2010, 326-333. SJR:0.339

Цитира се в:

563. Zhu W., Xu K.-L., Sun Y., Gao L., Logistics distribution route planning with fusion algorithm of Petri net and ant colony, J. of Zhejiang University (Engineering Science), Vol 45(12), 2011, pp. 2229 – 2234., @2011 1.000
564. Atanassova V., Изследване на алгоритми за конструиране на обобщено мрежови модели, PhD Thesis, Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, 2013., @2013 1.000
565. 3. 赵燕燕, and 王焱. "智能 Petri 网研究进展." Information Technologies and Informatization, Vol. 2, ISSN 1672-9528, 2014: 52-56., @2014 1.000
566. García M, López N., Rodríguez I., A full process algebraic representation of Ant Colony Optimization, Information Sciences, 2023, 120025, ISSN 0020-0255, IF 8.1 <https://doi.org/10.1016/j.ins.2023.120025>., @2023 [Линк](#) 1.000

39. **Fidanova S., Marinov P., Atanassov K.** ACO with semi-random start applied on MKP.. Computer Science and Information Technology (IMCSIT), 2010, 887-891

Цитира се е:

567. Ventura Pujolar, Montserrat. Conflictes socioterritorials i participació pública en la gestió de l'aigua de la conca del riu Muga (Alt Empordà). 1.000 PhD thesis, Universitat de Girona, 2005., @2005 [Линк](#)
568. Verdaguer Planas, Marta. "Avaluació del paradigma d'agents en la gestió d'un sistema complex d'aigües residuals." , PhD thesis, University of Girona, Spain, (2012)., @2012

40. **Fidanova S., Marinov P.**, Atanassov K.. Generalized Net Models of the Process of Ant Colony Optimization with Different Strategies and Intuitionistic Fuzzy Estimations. Proc. Jangjeon Math. Soc, 13, 1, 2010, 1-12

Цитира се е:

569. Atanassova V., Изследване на алгоритми за конструиране на обобщено мрежови модели, PhD Thesis, Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, 2013., @2013
570. Agarwal, P., Ramadan, M., Osheba, H.S., Chu, Y.-M., Study of hybrid orthonormal functions method for solving second kind fuzzy Fredholm integral equations (2020) Advances in Difference Equations, 2020 (1), art. no. 533, ISSN: 16871839. IF 1.51, @2020 [Линк](#)
571. Zoteva D., Angelova N. (2021) Generalized Nets. An Overview of the Main Results and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934, pp.177-226. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_10, @2021 [Линк](#)

41. **Fidanova S.** An Improvement of the Grid-based Hydrophobic-hydrophilic Model,. Journal on Bioautomation, 14, 2, 2010, ISSN:1312-451X, 147-156. SJR:0.228

Цитира се е:

572. Lee L.W., Bargiela A., Protein Surface Atoms Execution: Vaxels as an Investigative Tool, Engineering Letters Vol 20(3), ISSN 2816-093X, 1.000 2012, pp. 217 – 228., @2012
573. Mishra, Avdesh. "Three-Dimensional Ideal Gas Reference State based Energy Function." PhD thesis, University of New Orleans, USA, 1.000 (2015)., @2015
574. Tamjidul Hoque M, Mishra A. Three-Dimensional Ideal Gas Reference State based Energy Function. Current Bioinformatics. 2017 Apr 1;12(2):171-80., @2017 [Линк](#)
575. Roeva O. Application of Artificial Bee Colony Algorithm for Model Parameter Identification. InInnovative Computing, Optimization and Its Applications, Studies of Computational Intelligence, 2018 (pp. 285-303). Springer, Cham. SJR 0.186 (SCOPUS), @2018 [Линк](#)

42. **Fidanova S.**, Alba E., Molina G.. Hybrid ACO algorithm for the GPS surveying problem. Lecture Notes in Computer Science, 5910, Springer, 2010, ISSN:0377-0427, 318-325. SJR:0.339

Цитира се е:

576. Jaferi, F., & Sajadi, S. M. Finding the shortest route surveying through proposed genetic algorithm. International Journal of Productivity and Quality Management, SJR 0.360, 16(4), (2015) 434-444., @2015
577. Roeva, O.Application of artificial bee colony algorithm for model parameter identification (2018) Studies in Computational Intelligence, 741, pp. 285-303., @2018 [Линк](#)
578. Mercy, M. Grace, et al. "Ant Colony Optimization Algorithm GPS Clustering Approach." Journal of Physics: Conference Series. Vol. 2040. No. 1. IOP Publishing, 2021.art. no. 012011, @2021 [Линк](#)
579. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)

43. **Dobrinkova N., Fidanova S.**, Atanassov K.. Game-Method Model for Filed Fires. Lecture Notes in Computer Science, 5910, Springer, 2010, ISSN:0302-9743, 173-179. SJR:0.31

Цитира се е:

580. Velizarova, E., Alexandrov, A., Informatics Approaches for Forest Fire Spread Prediction, (2021) Studies in Computational Intelligence, 934, pp. 493-501., @2021 [Линк](#)

2011

44. **Fidanova S.**, Atanassov K., **Marinov P.**.. Start Strategies of ACO Applied on Subset Problems, Numerical Methods and Applications. Lecture Notes in Computer Science, 6046, Springer, 2011, 248-255. SJR:0.339

Цитира се е:

581. Shavani G.S., Anonth A.G., Rangaswamy T.M., Efficient stagnation avoidance for Manets with local repair strategy using ant colony optimization, Int. J. of Distributed and Parallel Systems, Vol. 3(5), ISSN 2229-3957, 2012, pp. 123 – 137., @2012

582. Sharvani, C. S. "Development of Swarm Intelligent Systems for MANET: ACO based routing in MANETs for effective communication." PhD thesis, Avinashiling Deemed University of Women, Department of Computer Science, India, 2014., @2014 1.000
 583. Zoteva D, Krawczak M. Generalized Nets as a Tool for the Modelling of Data Mining Processes. A Survey. Issue of IFS and GN, Vol. 13, 2017, pp. 1-60., @2017 [Линк](#) 1.000
 584. Mandal AK, Dehuri S. A Survey on Ant Colony Optimization for Solving Some of the Selected NP-Hard Problem. In International Conference on Biologically Inspired Techniques in Many-Criteria Decision Making 2019 Dec 19 (pp. 85-100). Springer, , @2019 [Линк](#) 1.000
 585. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934, pp. 385-419. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, ISSN: 1860949X., @2021 [Линк](#) 1.000
 586. Zoteva D., Angelova N. (2021) Generalized Nets. An Overview of the Main Results and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934 pp. 177-226. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_10, ISSN: 1860949X., @2021 [Линк](#) 1.000
45. **Fidanova S., Atanassov K., Marinov P.** Generalized Nets in Artificial Intelligence. Vol. 5: Generalized nets and Ant Colony Optimization. Prof. M. Drinov" Academic Publishing House, 2011, 144
- Цитирана се в:
587. Atanassova V., Изследване на алгоритми за конструиране на обобщено мрежови модели, PhD Thesis, Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, 2013., @2013 1.000
 588. Roeva, Olympia, and Pedro Melo-Pinto. "Bat algorithm in terms of generalized net." In Proceedings of 15th International Workshop on Generalized Nets, pp. 1-6. 2014., @2014 [Линк](#) 1.000
 589. Йоцов, Владимир. "ИЗКУСТВЕН ИНТЕЛЕКТ И ЕКСПЕРТНИ СИСТЕМИ." Издателство за Буквите, SBN 978-619-185-033-4, @2014 [Линк](#) 1.000
 590. Roeva, O. and Atanassova, V., 2016, September. Generalized net model of Cuckoo search algorithm. In Intelligent Systems (IS), 2016 IEEE 8th International Conference on (pp. 589-592)., @2016 [Линк](#) 1.000
 591. Roeva, O. and Atanassova, V., 2017. Universal Generalized Net Model for Description of Metaheuristic Algorithms: Verification with the Bat Algorithm. In Advances in Fuzzy Logic and Technology 2017 (pp. 244-255). Springer, Cham., @2017 [Линк](#) 1.000
 592. Zoteva, D., Atanassova, V., Roeva, O. and Szmidt, E., 2018, September. Generalized net model of Artificial Bee Colony optimization algorithm. In ANNA'18; Advances in Neural Networks and Applications 2018 (pp. 1-6). VDE., @2018 [Линк](#) 1.000
 593. Alexandrov, A., Andreev, R., Batchvarov, D., Boneva, A., Ilchev, L., Ivanov, S., Doshev, J. Method for Modeling and Simulation of Parallel Data Integration Processes in Wireless Sensor Networks (2019) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 11529 LNAI, pp. 291-301., @2019 [Линк](#) 1.000
 594. Alexandrov, A., Monov, V., Tashev, T., Generalized Nets Model of Data Parallel Processing in Large Scale Wireless Sensor Networks (2020) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 11958 LNCS, pp. 475-483., @2020 [Линк](#) 1.000
 595. Alexandrov, A., Andreev, R., Ilchev, S., Boneva, A., Ivanov, S., Doshev, J., Modeling and Simulation of Low Power Wireless Sensor Networks Based on Generalized Nets (2021) Studies in Computational Intelligence, 902 SCI, pp. 3-14., @2021 [Линк](#) 1.000
 596. Zoteva D., Angelova N. (2021) Generalized Nets. An Overview of the Main Results and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934, pp.177-226. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_10, @2021 [Линк](#) 1.000
46. **Fidanova S., Marinov P.** Optimal Wireless Sensor Network Coverage with Ant Colony Optimization. Int. Conf. on Swarm Intelligence, 2011
- Цитирана се в:
597. Das, P. P., Chakraborty, N., & Allayear, S. M. (2015, May). Optimal coverage of Wireless Sensor Network using Termite Colony Optimization Algorithm. In Electrical Engineering and Information Communication Technology (ICEEICT), 2015 International Conference on (pp. 1-6). IEEE., @2015 1.000
 598. Ng, C.K., Wu, C.H., Ip, W.H., Zhang, J., Ho, G.T.S. and Chan, C.Y., August. Network Topology Management Optimization of Wireless Sensor Network (WSN). Intelligent Computing Theories and Applications, Lecture Notes in Computer Science Springer 9772, ISSN 0302-9743, 2016, 850-859. (SCOPUS), @2016 1.000
 599. Singh, Surjit, and Rajeev Mohan Sharma. "Optimization Techniques in Wireless Sensor Networks." In Proceedings of the Second International Conference on Information and Communication Technology for Competitive Strategies, p. 140. ACM, 2016. (SCOPUS), @2016 1.000
 600. Nasir, H.J.A., Ku-Mahamud, K.R., Kamioka, E. Ant Colony Optimization approaches in wireless sensor network: Performance evaluation, (2017) Journal of Computer Science, 13 (6), pp. 153-164. SJR 0.3.(SCOPUS), @2017 [Линк](#) 1.000
 601. Zheng Z., Nazif H., An Energy-aware Technique for Resource Allocation in Mobile Internet of Thing (MIoT) Using Selfish Node Ranking and an Optimization Algorithm (2023) IETE Journal of Research, DOI: 10.1080/03772063.2023.2202163, IF 1.877, @2023 [Линк](#) 1.000
 602. Zhou B., Zhang ZG., ECAH: A New Energy-Aware Coverage Method for Wireless Sensor Networks using Artificial Bee Colony and Harmony Search (2023) International Journal of Advanced Computer Science and Applications, 14 (4), pp. 604 - 616, DOI: 10.14569/IJACSA.2023.0140466, @2023 [Линк](#) 1.000

47. **Fidanova S., Marinov P.**, Atanasov K.. Sensitivity Analysis of ACO Start Strategies for Subset Problems. Lecture Notes in Computer Science, 6046, Springer, 2011, 256-263. SJR:0.31

Цитира се в:

603. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science 1.000 in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934, pp. 385-419. ISSN: 1860949X. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)
604. Zhai, Y., Zhao, R., Li, Y., Li, Y., Meng, F., Wang, T., Stochastic inversion method for dynamic constitutive model of rock materials based on improved DREAM. (2021) International Journal of Impact Engineering, 147, art. no. 103739, ISSN:0734743X, IF 3.642, @2021 [Линк](#)

48. **Fidanova S.**, Shindarov M., **Marinov P.**. Optimal Sensor Layout using Multi-Objective Metaheuristic. Information Systems and Grid Technologies, St. Kliment Ohridski University Press, 2011, ISSN:1314-4855, 114-122

Цитира се в:

605. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science 1.000 in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)

2012

49. Atanasova V., **Fidanova S.**, Chountas P., Atanasov K.. A generalized net with an ACO-algorithm optimization component. Lecture Notes in Computer Science, 7116, Springer, 2012, 190-197. SJR:0.339

Цитира се в:

606. Орозова, Д. Обобщеномрежови модели на интелигентни системи за обучение. София, Акад. издателство „Проф. Марин Дринов“, 1.000 2011, ISBN 978-954-322-481-4., @2011
607. Zoteva D, Krawczak M. Generalized Nets as a Tool for the Modelling of Data Mining Processes. A Survey. Issue of IFS and GN, Vol. 13, 2017, pp. 1-60., @2017 [Линк](#)
608. Zoteva D., Angelova N. (2021) Generalized Nets. An Overview of the Main Results and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_10, @2021 [Линк](#)
609. Moucherino A., binMeta: A New Java Package for Meta-heuristic Searches, Large-Scale Scientific Computations, Lecture Notes in Computer Sciences, Vol 13127, 2022, 242 - 249., @2022 [Линк](#)

50. Shindarov M., **Fidanova S.**, **Marinov P.**. Wireless Sensor Positioning Algorithm,. IEEE Conf. on Intelligent Systems, 2012, 419-424

Цитира се в:

610. Pandremmenou, K., L. P. Kondi, and K. E. Parsopoulos. "A study on visual sensor network cross-layer resource allocation using quality-based criteria and metaheuristic optimization algorithms." Applied Soft Computing , ISSN: 1568-4946, SJR 1.862, IF 2.679, 2014., @2014 [Линк](#)
611. Singh S., Sharma R. M., Optimization Techniques in Wireless Sensor Networks, Int. Conf. ICTCS, Ubaipur, India, (2016) ACM International Conference Proceeding Series, 2016, 04-05-March-2016, art. no. a140, DOI: 10.1145/2905055.2905200, PUBLISHER: Association for Computing Machinery, ISBN: 9781450339629, @2016 [Линк](#)
612. Ghofrani, P., Schmeink, A., 3-D energy optimal receiver placement with constraints on the LOS delay and angle (2019) IEEE Transactions on Wireless Communications, 18 (4), art. no. 8654197, pp. 2156-2169. DOI: 10.1145/2905055.2905200, PUBLISHER: Association for Computing Machinery, ISBN: 9781450339629, @2019 [Линк](#)
613. Bureva, V., Traneva, V., Sotirova, E., Atanasov, K. Index matrices and olap-cube part 5: Index matrix operations over olap-cube (2020) Advanced Studies in Contemporary Mathematics (Kyungshang), 30 (1), pp. 69-88. DOI: 10.17777/ascm2020.30.1.69, PUBLISHER: Jangjeon Research Institute for Mathematical Sciences and Physics, ISSN: 12293067, @2020 [Линк](#)
614. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science 1.000 in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934, pp. 385-419. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, ISSN: 1860949X., @2021 [Линк](#)
615. Poggi, B.; Babatounde, C.; Vittori, E.; Antoine-Santoni, T. Efficient WSN Node Placement by Coupling KNN Machine Learning for Signal Estimations and I-HBIA Metaheuristic Algorithm for Node Position Optimization. Sensors 2022, 22 (24), art. no. 9927. <https://doi.org/10.3390/s22249927> , IF 3.847, @2022 [Линк](#)

51. Roeva O., **Fidanova S.**. Application of Genetic Algorithm and Ant Colony Optimization for Modelling E.Coly Cultivation process,. Genetic Algorithm, In-Tech Pub, 2012, ISBN:979-307-879-2, 21, 261-282

Цитира се в:

616. Pencheva T., Angelova M., Atanasov K., Genetic algorithms quality assessment implementing intuitionistic fuzzy logic, Handbook of 1.000 Research on Novel Soft Computing Intelligent Algorithms: Theory and Practical Applications, SBN: 978-146664451-9, Chapter 11, IGI Globul pub, 2014, 327 – 353., @2014
617. Ilkova, Tatiana S., and Mitko M. Petrov. "INTERCRITERIA ANALYSIS FOR IDENTIFICATION OF ESCHERICHIA COLI FED-BATCH 1.000 MATHEMATICAL MODEL.", Journal of International Scientific Publication Vol. 9, ISSN 1314-7269, 2015, pp. 598 – 608., @2015
618. Pencheva T., Angelova M., Atanasov K., Genetic algorithms quality assessment implementing intuitionistic fuzzy logic, Research Methods: 1.000 Concepts, Methodologies, Tools and applications, Chapter 49, ISBN 978-146667457-8, IGI Globul pub, 2015, 1125-1152., @2015
619. Pencheva, Tania, and Maria Angelova. "InterCriteria Analysis of Simple Genetic Algorithms Performance." Advanced Computing in Industrial 1.000 Mathematics. Studies of Computational Intelligence, No 681, Springer International Publishing, 2017. 147-159. (SCOPUS), @2017 [Линк](#)
620. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science 1.000 in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)

52. Fidanova S., Marinov P., Alba E.. Ant algorithm for optimal sensor deployment. Studies in Computational Intelligence, 399, Springer, 2012, ISSN:1860-949X, DOI:doi:10.1007/978-3-642-29843-1_21, 21-29. SJR:0.235

Цитира се в:

621. Yi, Ting-Hua, and Hong-Nan Li. "Methodology Developments in Sensor Placement for Health Monitoring of Civil Infrastructures." International 1.000 Journal of Distributed Sensor Networks 2012 Vol 2012, Hindawi Pub. Corporation, IF 0.727, 2012, doi 10.1155/2012/612727., @2012
622. Hou L.Q., Zhao X.F. Han R.C., Optimal sensor placement for stay cable damage identification of cable-stayed bridge under uncertainty, J. of 1.000 Distributed Sensor Networks Vol 2013, SJR 0.221, IF 0.727, ISSN 1550-1329, 2013, ID 361594., @2013
623. Yi T.-H., Wang C.-W., Li H.-N., Optimal triaxial sensor placement using distributed wolf algorithm, Journal of Vibration Engineering Vol 27(5), 1.000 ISSN: 10044523, SJR 0.386, 2014, pp. 6668 – 675., @2014
624. Yi, T. H., Li, H. N., Song, G., & Zhang, X. D., Optimal sensor placement for health monitoring of high-rise structure using adaptive monkey 1.000 algorithm. Structural Control and Health Monitoring, ISSN: 1545-2255, IF 1.726, Jhon Wiley&Sons, DOI: 10.1002/stc.1708, 2014., @2014
625. Yi, Ting-Hua, Hong-Nan Li, and Xu-Dong Zhang. "Health monitoring sensor placement optimization for Canton Tower using immune monkey 1.000 algorithm." Structural Control and Health Monitoring 22(1), ISSN: 1545-2263, J.Wiley Pub, . IF 1.544, DOI: 10.1002/stc.1664 (2014) pp. 21 -- 29., @2014
626. Abidin H. Z., Din N. M., Provisioning an energy efficient with maximum coverage WSN through biological inspired sensor node placement, 1.000 IEEE Int. Symposium on Telecommunication Technologies, ISBN: 978-147995982-2, 2015, pp. 341-345., @2015
627. Abidin, H. Z., Din, N. M., Radzi, N. A. M. TPSMA based Sensor Node Redeployment for Mobile Wireless Sensor Networks. In Proc. Of 1.000 Advances in Cxcomputing, Control and Networking, ISBN 978-1-63248-038-5, 2015, pp. 78-83., @2015
628. Al-Shomrani, M. M., Irshad Ahmad, and Halabi Hasbullah. "Two Echelon Architecture Using Relay Node Placement in Wireless Sensor 1.000 Network." Journal of Applied Sciences, ISSN 1812-5662, SJR 0.16, Vol 15(2), 2015, 214-222., @2015
629. Atiq-Ur-Rahman, Al-Shomarani M.M., Ahmad I., Hasbullah H., Two echelon architecture using relay node placement in wireless sensor 1.000 network, J. Applied Sciences, ISSN 1812-5654, SJR 0.190, Vol 15(2), 2015, pp. 214-222., @2015
630. Hassani Bijarbooneh, Farshid. "Constraint Programming for Wireless Sensor Networks." PhD thesis, Uppsala University, Sweden ISBN 978- 1.000 91-554-9144-4 (2015), @2015
631. He, Can, et al. "A New Optimal Sensor Placement Strategy Based on Modified Modal Assurance Criterion and Improved Adaptive Genetic 1.000 Algorithm for Structural Health Monitoring." Mathematical Problems in Engineering, Volume 2015, Article ID 626342, ISSN:1024-123X, SJR 0.267, Hindawi Publishing Corporation, 2015., @2015 [Линк](#)
632. Li, J., Zhang, X., Xing, J., Wang, P., Yang, Q., & He, C. Optimal sensor placement for long-span cable-stayed bridge using a novel particle 1.000 swarm optimization algorithm. Journal of Civil Structural Health Monitoring, ISSN 2190-5479, Springer, DOI 10.1007/s13349-015-0145-4, SJR 0.296 2015, pp. 1-9., @2015
633. Tsai, Chun-Wei, Pei-Wei Tsai, Jeng-Shyang Pan, and Han-Chieh Chao. "Metaheuristics for the Deployment Problem of WSN: A Review." J. 1.000 Microprocessors and Microsystems, ISSN 0141-9331, IF 0.430, SJR 0.368, DOI 10.1016/j.micpro.2015.07.003, 2015., @2015
634. Yi T. H., Zhou G. D., Li H. N., Zhang X. D., Optimal sensor placement for health monitoring of high-rise structure based on collaborative-climb 1.000 monkey algorithm, J. Structural Engineering and Mechanics, Vol 54(2), ISSN 1225-4568, SJR 0.277, 2015, pp 305-317., @2015 [Линк](#)
635. Yi T.-H., Li H.-N., Song G., Zhang X.-D., Optimal placement for helth monitoring of high-rise structure using adaptive monkey algorithm, J. 1.000 Structural control and helth monitoring, Vol. 22(4), ISSN 1545-2263, SJR 1.351, IF 1.726, 2015, pp. 667-681., @2015 [Линк](#)
636. Yi T.-H., li H.-N., Zhang X.-D., Sensor placement optimzation in structural health monitoring using distributed monkey algorithm, J. Smart 1.000 Structures and Systems, Vol 15(1), ISSN 1738-1584, SJR 0.876, IF 1.138, 2015, pp. 191-207., @2015 [Линк](#)
637. Yi, T. H., Li, H. N., & Zhang, X. D, Health monitoring sensor placement optimization for Canton Tower using virus monkey algorithm, Smart 1.000 Structures and Systems, Vol. 15(5), ISSN: 1738-1584, SJR 0.876, 2015, 1373 – 1392., @2015 [Линк](#)
638. Yi, T. H., Li, H. N., & Zhang, X. D., Health monitoring sensor placement optimization for Canton Tower using immune monkey algorithm. 1.000 Structural Control and Health Monitoring, 22(1), ISSN 1545-2263, SJR 1.351, IF 1.726, 2015, pp. 123-138., @2015 [Линк](#)
639. Abidin, H. Zainol, S. R. Subhamaniam, N. M. Din, and N. A. M. Radzi. "WSN based intruder detection system based on Territorial Predator 1.000 Scent Marking Algorithm (TPSMA) sensor node placement scheme." In Computer Applications & Industrial Electronics, , art. no. 7575026, pp. 1-6. DOI: 10.1109/ISCAIE.2016.7575026, PUBLISHER: Institute of Electrical and Electronics Engineers Inc. ISBN: 9781509015436, @2016 [Линк](#)

640. HU Pan, WANG Hai-tao, TIAN Gui-yun, GAO Yun-lai, ZENG Wei. Challenges and Applications of Structure Health Monitoring for Railway Based on Wireless Sensor Network, Nondestructive Testing, 38(12), 2016, 32-35, @2016 [Линк](#) 1.000
641. Singh S., Sharma R. M., Optimization Techniques in Wireless Sensor Networks, Int. Conf. ICTCS, Ubaipur, India, 2016, DOI: 10.1145/2905055.2905200 (SCOPUS), @2016 [Линк](#) 1.000
642. Singh, S., Chand, S. and Kumar, B., Optimum sink location for sensor deployment in wireless sensor networks. Journal of Information and Optimization Sciences, 37(4), ISSN: 0252-2667, 2016, pp.605-619., @2016 1.000
643. Yi, T.H., Zhou, G.D., Li, H.N. and Wang, C.W., Optimal placement of triaxial sensors for modal identification using hierarchic wolf algorithm. Structural Control and Health Monitoring, ISSN: 1545-2263, IF 2.082, DOI: 10.1002/stc.1958, 2016. (WoS), @2016 [Линк](#) 1.000
644. Abidin, H.Z., Din, N.M., Radzi, N.A.M., Rizman, Z.I. A review on sensor node placement techniques in wireless sensor networks, International Journal on Advanced Science, Engineering and Information Technology, 7 (1), SJR 0.06, 2017, pp. 190-197. (SCOPUS), @2017 [Линк](#) 1.000
645. Ateş, E., Kalayci, T.E., Uğur, A. Area-priority-based sensor deployment optimisation with priority estimation using K-means (2017) IET Communications, 11 (7), pp. 1082-1090. SJR 0.368, IF 0.624 (SCOPUS), @2017 [Линк](#) 1.000
646. GORDAN, M., RAZAK, H.A., ISMAIL, Z. and GHAEDI, K., Recent developments in damage identification of structures using data mining. Latin American Journal of Solids and Structures, 13, ISSN 1679-7817, 2017, 2372-2401. SJR 0.46 (SCOPUS). DOI: 10.1590/1679-78254378, PUBLISHER: Brazilian Association of Computational Mechanics., @2017 [Линк](#) 1.000
647. Yi, T.-H., Zhou, G.-D., Li, H.-N., Wang, C.-W. Optimal placement of triaxial sensors for modal identification using hierarchic wolf algorithm. (2017) Structural Control and Health Monitoring, 24 (8), art. no. e1958, DOI: 10.1002/stc.1958; ISSN: 15452255, @2017 [Линк](#) 1.000
648. Meisam Gordan, Zubaidah Binti Ismail, Hashim Abdul Razak, Khaled Ghaedi, Haider Hamad Ghayeb, Optimization-Based Evolutionary Data Mining Techniques for Structural Health Monitoring, Journal of Civil Engineering and Construction 2020;9(1):14-23, @2020 [Линк](#) 1.000
649. PANJA, Ayan Kumar; GHOSH, Arka. Qualitative Survey on Sensor Node Deployment, Load Balancing and Energy Utilization in Sensor Network. In: Nature Inspired Computing for Wireless Sensor Networks. Springer, Singapore, 2020. p. 259-277., @2020 [Линк](#) 1.000
650. Tan, Yi, and Limao Zhang. "Computational methodologies for optimal sensor placement in structural health monitoring: (2020) Structural Health Monitoring, 19 (4), pp. 1287-1308. DOI: 10.1177/1475921719877579, PUBLISHER: SAGE Publications Ltd, ISSN: 14759217, @2020 [Линк](#) 1.000
651. Dev, Jayashree, and Jibitesh Mishra. "Lifetime Enhancement of Wireless Sensor Network Using Artificial Intelligence Techniques." Smart Sensor Networks Using AI for Industry 4.0. CRC Press 45-63., @2021 [Линк](#) 1.000
652. Raut, N.P., Kolekar, A.B., Gombi, S.L., Optimization techniques for damage detection of composite structure: A review (2021) Materials Today: Proceedings, 45, pp. 4830-4834. ISSN: 22147853., @2021 [Линк](#) 1.000
653. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934, pp. 385-419. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, ISSN: 1860949X., @2021 [Линк](#) 1.000
654. Zhou, G.-D., Yi, T.-H., Xie, M.-X., Li, H.-N., Xu, J.-H. Optimal wireless sensor placement in structural health monitoring emphasizing information effectiveness and network performance (2021) Journal of Aerospace Engineering, 34 (2), art. no. 0001226, ISSN: 08931321., @2021 [Линк](#) 1.000
655. Gharehdash S., Laleh M., Sainsbury D., Barzegar M. Sainsbury B.-A., Low-Frequency ultrasonic tomography of Corrosion-induced damage patterns on naturally corroded solid reinforcing bar rock bolts, J. Construction and Building Materials, Vol. 395, art. Number 131694, <https://doi.org/10.1016/j.conbuildmat.2023.131694>, IF 7.693, @2023 [Линк](#) 1.000
656. Munasinghe, N., Romeijn, T., Paul, G. Voxel-based sensor placement for additive manufacturing applications. (2023) Journal of Intelligent Manufacturing, 34 (2), pp. 739-751. DOI: 10.1007/s10845-021-01823-x, ISSN: 09565515, IF 6.48, @2023 [Линк](#) 1.000

53. Atanassova, V., Fidanova, S., Popchev, I., Chountas, P.. Generalized Nets, ACO Algorithms, and Genetic Algorithms. Monte Carlo Methods and Applications Proceedings of the 8th IMACS Seminar on Monte Carlo Methods, August 29 – September 2, 2011, Borovets, Bulgaria, De Gruyter Proceedings in Mathematics, 2012, ISBN:ISBN 978-3-11-029358, 39-46. SJR:0.056

Цитирани са:

657. Орозова, Д. Обобщеномрежови модели на интелигентни системи за обучение. София, Акад. издателство „Проф. Марин Дринов“, 2012, ISBN 978-954-322-481-4., @2012 1.000
658. Antonov A., Generalized net model for parallel optimization of hidden units in neural networks with radial basis functions, Comptes Rendus de L'Academie Bulgare des Sciences, Vol 66(9), ISSN 13101331, IF 0.260, 2013, pp. 1239 – 1246., @2013 1.000
659. Todorova M., Correctness of the formal generalized net project of the connections between procedural program functions, Proceedings of Jangeon Mathematical Society, Vol. 16(3), SJR 0.363, 2013, pp. 353 – 357., @2013 1.000
660. Roeva O., Genetic algorithm and firefly algorithm hybrid schemes for cultivation processes modelling, Transaction on Computational Collective Intelligence XVII, Kowalczyk R., Fred A., Nguyen N.T., Joaquim F., Kowalczyk R. (eds.)Lecture Notes in Computer Science 8790, ISSN: 03029743, SJR 0.310 2014, pp. 196 – 211., @2014 1.000
661. Abdel-Baset, M. and Hezam, I., Cuckoo Search and Genetic Algorithm Hybrid Schemes for Optimization Problems. Appl. Math and Info. Sciences, 10(3), ISSN 1935-0090, IF 1.232, 2016, pp.1185-1192. (SCOPUS), @2016 1.000
662. Georgieva, G., N. Angelova, O. Rove, T. Pencheva. Simulation of Parallel Processes in Wastewater Treatment Plant Using Generalized Net Integrated Development Environment. - Comptes reudus de l'Academie Bulgare des Sciences. Vol.69, No. 11, 2016, 1493-1502 IF 0.209 (WoS), @2016 1.000

663. Tashev T, Marinov M, Monov V, Tasheva R. Modeling of the MiMa-algorithm for crossbar switch by means of Generalized Nets. In Intelligent Systems (IS), 2016 IEEE 8th International Conference on 2016 Nov 10 (pp. 593-598). IEEE., @2016 1.000
 664. Jayanth, J., Shalini, V.S., Ashok Kumar, T., Koliwad, S. Classification of remote sensed data using hybrid method based on ant colony optimization with electromagnetic metaheuristic (2017) Current Science, 113 (2), pp. 284-291. (SCOPUS), @2017 [Линк](#) 1.000
 665. Zoteva D, Krawczak M. Generalized Nets as a Tool for the Modelling of Data Mining Processes. A Survey. Issue of IFS and GN, Vol. 13, 2017, pp. 1-60., @2017 [Линк](#) 1.000
 666. Георгиева, Ваня. Обобщеномрежово моделиране на процеси на пречистване на вода. Дисертационен труд за присъждане на образователната и научна степен "доктор". Професионално направление 4.6 "Информатика и компютърни науки. Институт по биофизика и биомедицинско инженерство, София, 2017.(стр. 134), @2017 1.000
 667. 11. Roeva, O., Application of artificial bee colony algorithm for model parameter identification (2018) Studies in Computational Intelligence, 741, pp. 285-303., @2018 [Линк](#) 1.000
 668. Zoteva D., Angelova N. (2021) Generalized Nets. An Overview of the Main Results and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_10, @2021 [Линк](#) 1.000
 669. Khurana, P., Jha, K., & Gupta, A. (2022, August). Bandwidth Optimization for Vertical Handoff using Hybrid Cuckoo Search and Genetic Algorithm Scheme. In Journal of Physics: Conference Series (Vol. 2327, No. 1, p. 012055). DOI 10.1088/1742-6596/2327/1/012055, IOP Publishing., @2022 [Линк](#) 1.000
 670. Mucherino, A. (2022). binMeta: A New Java Package for Meta-heuristic Searches. In: Lirkov, I., Margenov, S. (eds) Large-Scale Scientific Computing. LSSC 2021. Lecture Notes in Computer Science, vol 13127. Springer, Cham. https://doi.org/10.1007/978-3-030-97549-4_28, @2022 [Линк](#) 1.000
54. **Fidanova S., Atanassov K., Marinov P.** Intuitionistic Fuzzy Estimation of the Ant Colony Optimization Starting Points. Lecture Notes in Computer Science, 7116, Springer, 2012, ISBN:9783642298424, ISSN:0377-0427, 03029743, DOI:10.1007/978-3-642-29843-1_25, 222-229. SJR:0.339
- Цитупа се в:
671. Cheng G., Investigation of modified bee colony algorithm with particle and chaos theory, Int. J. of Control and Automation, Vol. 8(2), 2015, ISSN:2005-429, SJR 0.250, pp. 311 – 322., @2015 [Линк](#) 1.000
 672. Kahraman, C., Çevik Onar, S., Oztaysi, B. Fuzzy collective intelligence for performance measurement in energy systems (2018) Studies in Systems, Decision and Control, 149, pp. 497-517. DOI: 10.1007/978-3-319-75690-5_22, PUBLISHER: Springer International Publishing, ISSN: 21984182, @2018 [Линк](#) 1.000
 673. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934, pp. 385-419. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, ISSN: 1860949X., @2021 [Линк](#) 1.000
55. Belehaki A., Tsagouri I., Kutiev I., **Marinov P., Fidanova S.** Upgrades to the Topside Sounders Model assisted by Digisonde (TaD) and its validation at the topside ionosphere. Space Weather & Space Climate, 2, A20, 2012, ISSN:2115-7251, DOI:10.1051/swsc/201200120, A20p1-A20p14. JCR-IF (Web of Science):2.558
- Цитупа се в:
674. Zhu, J., Zhao, B., Wan, W., Ning, B., & Zhang, S. A new topside profiler based on Alouette/ISIS topside sounding. Advances in Space Research, ISSN 0273-1177, IF 1.358, SJR 0.272, doi:10.1016/j.asr.2015.08.008, 2015. (SCOPUS), @2015 1.000
 675. Berdermann, Jens and Hoque, Mohammed Mainul and Kriegel, Martin and Jakowski, Norbert (2017) GROUND AND SPACE BASED GNSS IONOSPHERE MONITORING DATA IN ESPAS. In: The ESPAS E-Infrastructure: Access to data from near-Earth space EDP Sciences. pp. 71-78. ISBN 978-2-7598-1949-2., @2017 [Линк](#) 1.000
 676. Pignalberi, A., Michael Pezzopane, and R. Rizzi. "Modeling the lower part of the topside ionospheric vertical electron density profile over the European region by means of Swarm satellites data and IRI UP method." Space Weather (2018), , 16 (3), pp. 304-320. IF 2.58 (WoS), DOI: 10.1002/2017SW001790, PUBLISHER: Blackwell Publishing Ltd, ISSN: 15427390, @2018 [Линк](#) 1.000
 677. Alessio Pignalberi, A three-dimensional regional assimilative model of the ionospheric electron density. PhD Thesist, Bologna, Italy, 2019, @2019 [Линк](#) 1.000
 678. Krypiak-Gregorczyk, Anna. "Ionosphere response to three extreme events occurring near spring equinox in 2012, 2013 and 2015, observed by regional GNSS-TEC model." Journal of Geodesy, 2019, Vol. 93(7) ISSN 0949-7714, DOI: <https://doi.org/10.1007/s00190-018-1216-1>, pp. 931-951. IF 4.633, @2019 [Линк](#) 1.000
 679. Pezzopane, M., A three-dimensional regional assimilative model of the ionospheric electron density. PhD thesis, University, Bologna, Italy, 2019, @2019 [Линк](#) 1.000
 680. Liu W., Liu L., Chen Y., Le H., Zhang R., Li W., Li J., Zhang T., Yang Y., Ma H., A New Method for Retrieving Electron Density Profiles from the MARSIS Ionograms (2022) Remote Sensing, 14 (8), art. no. 1817, DOI: 10.3390/rs14081817 IF 4.848, ISSN: 20724292., @2022 [Линк](#) 1.000
 681. Park J., Ratio Between Over-Satellite Electron Content and Plasma Density Measured by Swarm: A Proxy for Topside Scale Height (2022) Journal of Geophysical Research: Space Physics, 127 (4), art. no. e2021JA030137, DOI: 10.1029/2021JA030137, IF 2.811, ISSN: 21699380., @2022 [Линк](#) 1.000

56. Kutiev I., **Marinov P.**, **Fidanova S.**, Belehaki A., Tzagouri I.. Adjustments of the TaD electron density reconstruction model with GNSS TEC parameters for operational application purposes. Space Weather & Space Climate, 2, 21, 2012, ISSN:2115-7251, DOI:10.1051/swsc/20120121, A21p1-A21p7. ISI IF:2.558

Цитира се в:

682. Zhu, J., Zhao, B., Wan, W., Ning, B., & Zhang, S. A new topside profiler based on Alouette/ISIS topside sounding. Advances in Space Research, ISSN 0273-1177, IF 1.358, SJR 0.272, doi:10.1016/j.asr.2015.08.008, 2015., @2015
683. Bitap Raj Kalita, Pradip Kumar Bhuyan, Variations of the ionospheric parameters and vertical electron density distribution at the northern edge of the EIA from 2010-2015 along 95°E and comparison with the IRI-2012, Advances in Space Research, Volume 60, Issue 2, 2017, Pages 295-306, ISSN 0273-1177, IF 1.406 (WoS), @2017 [Линк](#)
684. Liu W., Liu L., Chen Y., Le H., Zhang R., Li W., Li J., Zhang T., Yang Y., Ma H., A New Method for Retrieving Electron Density Profiles from the MARSIS Ionograms (2022) Remote Sensing, 14 (8), art. no. 1817, DOI: 10.3390/rs14081817, MDPI, IF 4.848, ISSN: 20724292., @2022 [Линк](#)
685. Prol, F. S., Hoque, M. M., "A Tomographic Method for the Reconstruction of the Plasmasphere Based on COSMIC/ FORMOSAT-3 Data, " in IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, vol. 15, pp. 2197-2208, 2022, doi: 10.1109/JSTARS.2022.3155926, ISSN: 19391404., @2022 [Линк](#)

57. **Fidanova S.**, **Marinov P.**. Influence of the Parameter R on ACO Start Strategies. BGSIAM, 2012, 38-43

Цитира се в:

686. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)

58. Velizarova E., Sotirova E., Atanasov K., Vassilev P., **Fidanova S.** On the Game Method for the Forest Fire Spread Modelling with Considering the Wind Effect. IEEE Conf. on Intelligent Systems, Sofia, 2012, ISBN:978-1-4673-2277-5, 216-220

Цитира се в:

687. Apiecionek, Ł., Zarzycki, H., Czerniak, J. M., Dobrosielski, W. T., & Ewald, D. . The Cellular Automata Theory with Fuzzy Numbers in Simulation of Real Fires in Buildings. In International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets . Springer, 2017, 169-182. (SCOPUS), @2017 [Линк](#)
688. Dobrosielski WT, Ewald D. The Cellular Automata Theory with Fuzzy Numbers in Simulation of Real Fires in Buildings. Uncertainty and Imprecision in Decision Making and Decision Support: Cross-Fertilization, New Models and Applications: Selected Papers from BOS-2016 and IWIFSGN-2016 held on October 12-14, 2016 in Warsaw, Poland. 2017 Oct 6;559-169., @2017 [Линк](#)
689. Czerniak JM, Zarzycki H, Apiecionek Ł, Palczewski W, Kardasz P. A Cellular Automata-Based Simulation Tool for Real Fire Accident Prevention. Mathematical Problems in Engineering. 2018; Article ID 3058241, 2018., @2018 [Линк](#)

59. **Fidanova S.**, Shindarov M., **Marinov P.**. Mono-objective Algorithm for Wireless Sensor Layout. OMCO-NET, 2012, ISBN:978-09563140-4-8, 57-63

Цитира се в:

690. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)

60. **Fidanova S.**, **Marinov P.**, Alba E.. Wireless Sensor Network Layout, In Monte Carlo Methods and Applications. Monte Carlo Methods and Applications, De Gruyter, 2012, 10, 79-86

Цитира се в:

691. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)

61. **Fidanova S.**, Roeva O., Ganzha M.. ACO for Parameter Settings of *E. coli* Fed-batch Cultivation Model. FedCSIS, 2012, ISBN:978-83-60810-51-4, 407-414

Цитира се в:

692. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)

62. **Fidanova S.**, **Marinov P.**. Influence of the Number of Ants on Mono-Objective Ant Colony Optimization Algorithm for Wireless Sensor Network Layout. BGSIAM, 2012, ISSN:1314-7145, 59-66

Цитира се в:

693. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science 1.000 in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)

2013

63. Roeva O., Fidanova S., Paprzycki M.. Influence of the population size on the genetic algorithm performance in case of cultivation process modelling. FedCSIS, IEEE Xplorer, 2013, 371-376

Цитирани са:

694. Fayek, M. B., & Farag, O. S. (2014, December). HICMA: A human imitating cognitive modeling agent using statistical methods and evolutionary computation. In Computational Intelligence for Human-like Intelligence (CIHLI), 2014 IEEE Symposium IEEE, DOI 10.1109/CIHLI.2014.7013383, 2014, pp. 1-8., @2014 1.000
695. Krall, J., Faster Evolutionary Multi-Objective Optimization via GALE, the Geometric Active Learner (Doctoral dissertation, WEST VIRGINIA UNIVERSITY), 2014., @2014 1.000
696. Wang, X., & Miao, Y., GAEM: A Hybrid Algorithm Incorporating GA with EM for Planted Edited Motif Finding Problem. Current Bioinformatics, Vol. 9(5), ISSN 1574-8936, SJR 0.370, IF 1.726, 2014, 463-469., @2014 1.000
697. Wawrzynczak, A., M. Jaroszynski, and M. Borysiewicz. "Data-driven Genetic Algorithm in Bayesian estimation of the abrupt atmospheric contamination source." In Proc. Of FedCSIS, IEEE Xplorer, DOI: 10.15439/2014F272, 2014, 519–527., @2014 1.000
698. 20. Moorthy, C.B., Agrawal, A. and Deshmukh, M.K., 2015. Artificial Intelligence Techniques for Wind Power Prediction: A Case Study. Indian Journal of Science and Technology, 8(25), ISSN : 0974-6846 , DOI: 10.17485/ijst/2015/v8i25/87891., @2015 1.000
699. CeronRodriguez A.L., Plazas Tovar L., Wolf Maciel M.R., Maciel Filho R., Optimizing the population to represent the extended true boiling point curve from high vacuum distillation data using genetic algorithms, Chemical Engineering Transactions, Vol. 43, ISSN 1974-9791, SJR 0.390, 2015, 1561-1566., @2015 1.000
700. de la Calle, F. J., Bulnes, F. G., Garcia, D. F., Usamentiaga, R., & Molleda, J., A Parallel Genetic Algorithm for Configuring Defect Detection Methods. Latin America Transactions, IEEE (Revista IEEE America Latina), 13(5), SJR 0.161, ISSN 1548-0992, 2015, 1462-1468., @2015 1.000
701. DE LEON ALDACO, S., Calleja, H., & Aguayo, J., Metaheuristic Optimization Methods Applied to Power Converters: A Review., IEEE Transactions on Power Electronics, Vol 30(12), ISSN 0885-8993, IF 5.726, DOI 10.1109/TPEL.2015.2397311, 2015, 6791 – 6803., @2015 1.000
702. Dziwornu, Allan Kwashigah. "Towards Real-Time Power Restoration Using a Hybrid Genetic Algorithm." PhD diss., TU Delft, Delft University of Technology, 2015., @2015 1.000
703. Garn, W., Aitken, J., Agile factorial production for a single manufacturing line with multiple products. European Journal of Operational Research, Elsevier, IF 1.843, SJR 2.625, doi 10.1016, 2015, 754 – 766., @2015 1.000
704. Mitchell, K. N., Winton, C., Cowan, M, Improved Waterway Network Maintenance Strategies via Genetic Algorithms. In Transportation Research Board 94th Annual Meeting (No. 15-5963), 2015., @2015 1.000
705. Moharam, R., Morsy, E., & Ismail, I. A., Genetic algorithms for balanced spanning tree problem. In Computer Science and Information Systems (FedCSIS), 2015 Federated Conference on , 2015, pp. 537-545. IEEE., @2015 1.000
706. Nasser A. B., Y. A. Sariera, A. A. Alsewari, K. Z. Zamli, Assessing Optimization Based Strategies for t-way Test Suite Generation: The Case for Flower-based Strategy, 2015 IEEE International Conference on Control System, Computing and Engineering, 27 - 29 November 2015, Penang, Malaysia, 978-1-4799-8251-6/15 ©2015 IEEE, @2015 1.000
707. Orozco-Rosas, Ulises, Oscar Montiel, and Roberto Sepúlveda. "Parallel Evolutionary Artificial Potential Field for Path Planning—An Implementation on GPU." Design of Intelligent Systems Based on Fuzzy Logic, Neural Networks and Nature-Inspired Optimization. Studies of Computational Intelligence, No 601, Springer International Publishing, SJR 1.243, 2015. 319-332., @2015 1.000
708. Pfefferkorn, Daniel, Achim Schmider, Guillermo Payá-Vayá, Martin Neuenhahn, and Holger Blume. "FNOCEE: A Framework for NoC Evaluation by FPGA-based Emulation.", IEEE International Conference on Systems, Architectures, MOdeling and Simulation (SAMOS), Samos, 20.-23.07.2015, paper 11, ISBN 978-1-4673-7311-1 2015, pp. 1-10., @2015 1.000
709. Tkatek S., Abdoun O., Abouchabaka J., Rafalia N., A hybrid heuristic method to solve an assignment problem of human resource, Int Review on Computers and Software, Vol 10(9), ISSN 1828-6003, SJR 0.243, 2015, pp. 977-986., @2015 1.000
710. Wang, L., Shen, J.A systematic review of bio-inspired service concretization (2015) IEEE Transactions on Services Computing, Vol. 10(4) , ISSN 1939-1374, 2015, 493-505. IF 3.52. (SCOPUS), @2015 [Линк](#) 1.000
711. Wang, L., Zhao, J., Wang, W., & Zhan, Z. (2015, May). Genetic algorithm for regionalization problem with adaptive equity constraint. In Control Conference (ASCC), 2015 10th Asian IEEE, 2015, pp. 1-6., @2015 1.000
712. Wawrzynczak, A., M. Jaroszynski, and M. Borysiewicz. "Bayesian-Based Approach to Application of the Genetic Algorithm to Localize the Abrupt Atmospheric Contamination Source." Recent Advances in Computational Optimization: Results of the Workshop on Computational Optimization WCO 2014. Vol. 610. Springer, SJR 1.243, 2015, pp. 225 - 244., @2015 1.000
713. Wiles, Phoebe S., and David Enke. "Optimizing MACD Parameters via Genetic Algorithms for Soybean Futures." Procedia Computer Science 61 (2015): 85-91., @2015 1.000
714. Abdelatey, A., Elkawagy, M., El-Sisi, A.B. and Keshk, A., 2016, December. RGSS-negotiation: A genetic-based approach for web service security negotiation. In Computer Engineering & Systems (ICCES), 2016 11th International Conference on (pp. 53-58). IEEE., @2016 [Линк](#) 1.000

715. Al-Aqeeli, Y.H., Lee, T.S. and Aziz, S.A., Enhanced genetic algorithm optimization model for a single reservoir operation based on hydropower generation: case study of Mosul reservoir, northern Iraq. SpringerPlus, 5(1):797, ISSN: 2193-1801, IF 0.982, doi:10.1186/s40064-016-2372-5, 2016, pp.1-21. (WoS), @2016 1.000
716. Anvari, B., Angeloudis, P. and Ochieng, W.Y., A multi-objective GA-based optimisation for holistic Manufacturing, transportation and Assembly of precast construction. Automation in Construction, ISSN: 0926-5805, IF 2.442, doi: 10.1016/j.autcon.2016.08.007, 2016. (WoS), @2016 1.000
717. Asadi, H., Mohamed, S., Lim, C.P. and Nahavandi, S., Robust Optimal Motion Cueing Algorithm Based on the Linear Quadratic Regulator Method and a Genetic Algorithm, IEEE Transaction on Systems, Man and Cybernetics:Systems, ISSN 2168-2216 , IF 1.699, DOI 10.1109/TSMC.2016.2523906, 2016. (WoS), @2016 1.000
718. Chawla, M., Singh, K. and Kumar, C., 2016, August. Attitudinal data based server job scheduling using genetic algorithms: Client-centric job scheduling for single threaded servers. In Contemporary Computing (IC3), 2016 Ninth International Conference on (pp. 1-7). IEEE., @2016 [Линк](#) 1.000
719. Chen, Po-Hsu. "Modeling Multivariate Simulator Outputs with Applications to Prediction and Sequential Pareto Minimization." PhD diss., The Ohio State University, 2016., @2016 1.000
720. Chiamsathit, C., 2016. Optimisation of hedging-integrated rule curves for reservoir operation , Doctoral dissertation, Heriot-Watt University, UK., @2016 [Линк](#) 1.000
721. Chieng, Hock Hung. A genetic simplified swarm algorithm for optimizing n-cities open loop travelling salesman problem. Diss. Universiti Tun Hussein Onn Malaysia, 2016. http://epri, @2016 [Линк](#) 1.000
722. Delgoshaei A, Gomes C. A Multi-Layer Perceptron for Scheduling Cellular Manufacturing Systems in the Presence of Unreliable machines and Uncertain Cost. Applied Soft Computing., SJR 1.763, IF 2.857 , doi:10.1016/j.asoc.2016.06.025, 2016 . (WoS), @2016 1.000
723. Delgoshaei, A., Parvin, M. and Ariffin, M., Evaluating impact of market changes on increasing cell-load variation in dynamic cellular manufacturing systems using a hybrid Tabu search and simulated annealing algorithms. Decision Science Letters, 5(2), ISSN 1929-5804, SJR 0.201, 2016, pp.219-244. (SCOPUS), @2016 1.000
724. Jafari, M., and SA Mahmoodzade Hoseyni. "Optimization of infinite orthotropic plates with hypotrochoid cutout under tensile loading using genetic algorithm." Journal of Reinforced Plastics and Composites, IF 0.901, 2016, 0731684416676634. (WoS), @2016 [Линк](#) 1.000
725. Johnson, D., Heltzel, R., Nix, A. and Barrow, R., 2016. Development of Engine Activity Cycles for the Prime Movers of Unconventional, Natural Gas Well Development. Journal of the Air & Waste Management Association, ISSN: 1096-2247, IF 1.613, DOI 10.1080/10962247.2016.1245220. (WoS), @2016 1.000
726. Kerdan, I.G., Raslan, R. and Ruyssevelt, P., 2016. An exergy-based multi-objective optimisation model for energy retrofit strategies in non-domestic buildings. Energy 15. ISSN 0360-5442, IF 4.292, Elsevier, doi:10.1016/j.energy.2016.06.041, 2016, 506-522. (WoS), @2016 1.000
727. Lazunin, Vladimir. "Real-time and Efficient Rendering of Deformable Bodies." PhD diss., Hosei University, China, 2016., @2016 [Линк](#) 1.000
728. Moharam R, Morsy E. Genetic Algorithms for Constrained Tree Problems. In Recent Advances in Computational Optimization, Studies of Computational Intelligence 655, Springer, 2016, pp. 219-233. (SCOPUS), @2016 1.000
729. Moharam R, Morsy E. Genetic Algorithms to Balanced Tree Structures in Graphs. Swarm and Evolutionary Computation, ISSN 2210-6502, Elsevier, IF 2.963, doi:10.1016/j.swevo.2016.06.005, 2016. (WoS), @2016 1.000
730. Moharam, R., Morsy, E., & Ismail, I. A., Genetic Algorithms for the Tree T-Spanner Problem. In The 1st International Conference on Advanced Intelligent System and Informatics (AISi2015), November 28-30, 2015, Beni Suef, Egypt, Springer International Publishing., 2016, pp. 437-448, @2016 1.000
731. Najem M., Benoit P., El Ahmad M., Sassatelli G., Torres L., A Design-Time Method for Building Cost-Effective Run-Time Power Monitoring. IEEE trans. On Computer-Added Design of Intelligent Circuits and Systems, SJR 0.710, IF 1.181, Article number 7579225, (WoS), @2016 1.000
732. Paulo, P., Branco, F., de Brito, J. and Silva, A., BuildingsLife-The use of genetic algorithms for maintenance plan optimization. Journal of Cleaner Production, Vol. 121, ISSN 0959-6526, Elsevier, IF 3.84, DOI: 10.1016/j.jclepro.2016.02.041, 2016, 84-98. (WoS), @2016 1.000
733. Rustell, Michael. "Knowledge extraction and the development of a decision support system for the conceptual design of liquefied natural gas terminals under risk and uncertainty." PhD diss., University of Surrey, 2016., @2016 [Линк](#) 1.000
734. Saleh S.M., Ibrahim K.H., Magdi, Eitebia M.B., Styudy of genetic algorithm performance through design of multi-step LC compensator for time-varying nonlinear loads, Applied Soft Computing, Vol. 48, SJR 1.763, IF 2.857, 2016, 535-545. (WoS), @2016 1.000
735. Surbhi Jindal, Manu Bansal, A Novel and Efficient Variable Ordering and Minimization Algorithm based on Evolutionary Computation, Indian Journal of Science and Technology, Vol. 9(48), ISSN : 0974-6846 DOI: 10.17485/ijst/2016/v9i48/93703, 2016, , @2016 [Линк](#) 1.000
736. Weise, T., Wu, Y., Chiong, R., Tang, K. and Lässig, J., 2016. Global versus local search: the impact of population sizes on evolutionary algorithm performance. Journal of Global Optimization, Springer, ISSN 0925-5001, DOI 10.1007/s10898-016-0417-5, IF 1.287, 2016, pp.1-24. (WoS), @2016 1.000
737. Yahya, N.M., Tokhi, M.O. and Kasdirin, H.A., A new bats echolocation-based algorithm for single objective optimisation. Evolutionary Intelligence 8, Springer, ISSN 1864-5909, DOI 10.1007/s12065-016-0134-5, pp.1-20, 2016., @2016 1.000
738. Asadi, H., Mohamed, S., Lim, C.P., Nahavandi, S., Robust Optimal Motion Cueing Algorithm Based on the Linear Quadratic Regulator Method and a Genetic Algorithm, IEEE Transactions on Systems, Man, and Cybernetics: Systems, 47 (2), DOI: 10.1109/TSMC.2016.2523906, SJR 3.30, IF 1.598, 2017, pp. 238-254. (WoS), @2017 [Линк](#) 1.000
739. Avramidis, E., Akman, O.E. Optimisation of an exemplar oculomotor model using multi-objective genetic algorithms executed on a GPU-CPU combination, (2017) BMC Systems Biology, 11 (1), art. no. 40, SJR 1.493. (SCOPUS), @2017 [Линк](#) 1.000
740. Cankorur-Cetinkaya, Ayca, et al. "CamOptimus: a tool for exploiting complex adaptive evolution to optimize experiments and processes in biotechnology." J. Microbiology, Vol. 163(6), DOI 10.1099/mic.0.00047, 2017, 829-839., @2017 [Линк](#) 1.000

741. Furqan M, Hartono H, Ongko E, Ikhsan M. Performance of Arithmetic Crossover and Heuristic Crossover in Genetic Algorithm Based on Alpha Parameter. IOSR Journal of Computer Engineering (IOSR-JCE). 2017;19(1):31-6., @2017 [Линк](#) 1.000
742. Hatim, S. M., and I. A. Mohtar. "COMPARISON OF GENETIC ALGORITHM COMPONENTS AND SELECTION VARIANTS IN UNLAWFUL BEHAVIOR DETECTION OF HAND MOVEMENT." Journal of Fundamental and Applied Sciences 9, no. 5S (2017): 423-438., @2017 [Линк](#) 1.000
743. IKOTUN, A., AKINWALE, A. and AROGUNDADE, O., 2017. PARAMETER VARIATION FOR LINEAR EQUATION SOLVER USING GENETIC ALGORITHM. Journal of Natural Sciences Engineering and Technology, 15(2), pp.42-50., @2017 [Линк](#) 1.000
744. Jafari, M., Mahmodzade Hoseyni, S.A. Optimization of infinite orthotropic plates with hypotrochoid cutout under tensile loading using genetic algorithm, Journal of Reinforced Plastics and Composites, 36 (5), SJR 0.495, IF 0.901, DOI: 10.1177/0731684416676634, 2017, pp. 360-376. (WoS), @2017 [Линк](#) 1.000
745. Janalipour, M. and Mohammadzadeh, A., 2017. A Fuzzy-GA Based Decision Making System for Detecting Damaged Buildings from High-Spatial Resolution Optical Images. Remote Sensing, 9(4), 2017, p.349. (IF 3.036, SJR 1.27), @2017 [Линк](#) 1.000
746. Johnson, D., Heltzel, R., Nix, A., Barrow, R. Development of engine activity cycles for the prime movers of unconventional natural gas well development, Journal of the Air and Waste Management Association, 67 (3), DOI: 10.1080/10962247.2016.1245220, SJR 0.623, IF 1.613, 2017, pp. 371-388. (WoS), @2017 [Линк](#) 1.000
747. Kaftan, İ. Interpretation of magnetic anomalies using a genetic algorithm. Acta Geophysica, Vol. 12(61), ISSN: 1895-6572, Springer, 1-8. IF 0.968 (WoS), @2017 1.000
748. Kerdan, I. G., Raslan, R., Ruyssevelt, P., & Gálvez, D. M., A comparison of an energy/economic-based against an exergoeconomic-based multi-objective optimisation for low carbon building energy design. J. Energy, Vol. 128, 2017, 244-263. (IF 4.292), @2017 [Линк](#) 1.000
749. Mohammadi A, Asadi H, Mohamed S, Nelson K, Nahavandi S. Optimizing Model Predictive Control Horizons using Genetic Algorithm for Motion Cueing Algorithm. Expert Systems with Applications Vol. 92, . ISSN 0957-4174, 2018 , 73-81, IF 3.928. (SCOPUS), @2017 [Линк](#) 1.000
750. Moharam, R. and Morsy, E., 2017. Genetic algorithms to balanced tree structures in graphs. Swarm and Evolutionary Computation, 32, pp.132-139. IF 3.893(WoS), @2017 [Линк](#) 1.000
751. Najem, M., Benoit, P., El Ahmad, M., Sassatelli, G., & Torres, L., A Design-Time Method for Building Cost-Effective Run-Time Power Monitoring. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 36(7), 2017, 1153-1166. IF 1.942 (WoS), @2017 1.000
752. Nogueira, Heber Valdo. "Algoritmo genético compacto com dominância para seleção de variáveis." , PhD thesis, Universidade Federal de Goiás, Brazil, (2017)., @2017 [Линк](#) 1.000
753. Nongmeikapam K, Kumar W, Singh AD. A Fast and Automatically Adjustable GRBF Kernel based Fuzzy C-Means for Cluster-wise Coloured feature extraction and segmentation of MR Images. IET Image Processing, Online ISSN 1751-9667, DOI: 10.1049/iet-ipr.2017.1102 , 2017, 12 p., @2017 [Линк](#) 1.000
754. Prasad, G., Singh, D., Mishra, A. and Shah, V.H., Genetic Algorithm Performance Assessment by Varying Population Size and Mutation Rate in Case of String Reconstruction. J. of Basic and Applied Engineering Research, Vol 4(2), ISSN: 2350-0077, 2017, 157-161, @2017 [Линк](#) 1.000
755. Safa, M. and Soltani-Mohammadi, S., 2017. Distance function modelling in optimally locating additional boreholes. Spatial Statistics. Vol. 23, pp. 17-35, IF 1.176 (WoS), @2017 [Линк](#) 1.000
756. Skinner, S. N., and H. Zare-Behtash. "State-of-the-Art in Aerodynamic Shape Optimisation Methods." Applied Soft Computing (SCOPUS), @2017 [Линк](#) 1.000
757. Tello, N.A.G., Rodríguez, M.P.A., Villalobos, J.P.C. Development of a genetic algorithm for the solution of a load allocation problem (2017) Proceedings of the International Conference on Industrial Engineering and Operations Management, 2017 (OCT), pp. 1020-1036., @2017 [Линк](#) 1.000
758. Tomzik, D.A. and Xu, X.W., Requirements for a Cloud-based Control System Interacting with Soft Bodies. In Proc. Of Mechatronics and Machine Vision in Practice, 2017, 88-92., @2017 [Линк](#) 1.000
759. Wang, L., Shen, J., A Systematic Review of Bio-Inspired Service Concretization, (2017) IEEE Transactions on Services Computing, 10 (4), art. no. 7330016, pp. 493-505. IF 3.520 (WoS), @2017 [Линк](#) 1.000
760. Ward, Joshua. "Empirical Genetic Algorithm Parameter Tuning Concerning the Synthesis of Combinational Logic Circuits." PhD diss., West Virginia University, 2017., @2017 [Линк](#) 1.000
761. Abd-Alsabbour, N., Local search for parallel optimization algorithms for high dimensional optimization problems (2018) MATEC Web of Conferences, 210, art. no. 04052, (SCOPUS), @2018 [Линк](#) 1.000
762. Al-Shamery, E.S., Rahoomei Al-Obaidi, A.A., Using modified Genetic Algorithm for enhancing network connections distribution (2018) International Journal of Engineering and Technology(UAE), 7 (4.19 Special Issue 19), pp. 121-126., @2018 [Линк](#) 1.000
763. Choong, S.S., Wong, L.P. and Lim, C.P., A dynamic fuzzy-based dance mechanism for the bee colony optimization algorithm. Computational Intelligence, Vol 34(4), ISSN: 1467-8640, DOI: 10.1111/coin.12159, Wiley, 2018, 999-1024, IF 0.964 (WoS), @2018 [Линк](#) 1.000
764. Costa FJ. Continuous Maintenance System for optimal scheduling based on real-time machine monitoring. PhD thesis, University of Porto, Portugal, 2018., @2018 [Линк](#) 1.000
765. Dimara, A., Anagnostopoulos, C.-N. Data Based Stock Portfolio Construction Using Computational Intelligence (2018) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 10750 LNCS, pp. 76-94. SJR 0.315. (SCOPUS), @2018 [Линк](#) 1.000
766. Han, J. and Han, J., Building a disaster rescue platform with utilizing device-to-device communication between smart devices. International Journal of Distributed Sensor Networks, 14(3), 2018, p.1550147718764284. IF 1.239 (WoS), @2018 [Линк](#) 1.000

767. Lagresle, C., M. Guingand, J. P. de Vaujany, and B. Fulleringer. "Optimization of profile modifications for cylindrical gears using an adaptive multi-objective swarm algorithm." In Gears Conference 2018, Lyon, France: Conference Proceedings: Volumes 1 and 2, p. 7. Chartridge Books Oxford, 2018., @2018 1.000
768. Mohammad Safa, Saeed Soltani-Mohammadi, Distance function modeling in optimally locating additional boreholes, Spatial Statistics, Volume 23, March 2018, Pages 17-35, ISSN 2211-6753, <https://doi.org/10.1016/j.spasta.2017.11.001>.IF 1.176 (WoS), @2018 [Линк](#) 1.000
769. Mohammadi A, Asadi H, Mohamed S, Nelson K, Nahavandi S. Optimizing Model Predictive Control Horizons using Genetic Algorithm for Motion Cueing Algorithm. Expert Systems with Applications Vol. 92, . ISSN 0957-4174, 2018 , 73-81, IF 3.928. (WoS), @2018 [Линк](#) 1.000
770. Mwaura, Daniel Waweru. "Exploration and optimized siting of geothermal wells using a web-based spatial decision support system." (2018) Technical university Berlin., @2018 [Линк](#) 1.000
771. Nababan, E.B. and Sitompul, O.S., 2018. Genetic Algorithms Dynamic Population Size with Cloning in Solving Traveling Salesman Problem. Data Science: Journal of Computing and Applied Informatics, 2(02), pp.87-100., @2018 [Линк](#) 1.000
772. Nogin S, Monteiro J, Melgar SG, Peyroteo J, Mortal A, Santos CM, Livramento J, Cardoso PJ, Semião J. A Platform for the Promotion of Energy Efficiency and Monitoring in Hotel Units. In Handbook of Research on Technological Developments for Cultural Heritage and eTourism Applications, IGI Global, 2018, pp. 420-448., @2018 [Линк](#) 1.000
773. Nongmeikapam, K., Kumar, W.K., Khumukcham, R. and Singh, A.D., An unsupervised cluster-wise color segmentation of medical and camera images using genetically improved Fuzzy-Markovian decision relational model. Journal of Intelligent & Fuzzy Systems, (Preprint), 2018 pp.1-14. IF 1.126 (WoS), @2018 [Линк](#) 1.000
774. Nongmeikapam, K., Kumar, W.K., Singh, A.D. Fast and automatically adjustable GRBF kernel based fuzzy C-means for cluster-wise coloured feature extraction and segmentation of MR images (2018) IET Image Processing, 12 (4), pp. 513-524. SJR 0.322, IF 1.044 (WoS), @2018 [Линк](#) 1.000
775. S.N. Skinner, H. Zare-Behtash, State-of-the-art in aerodynamic shape optimisation methods, In Applied Soft Computing, Volume 62, 2018, Pages 933-962, ISSN 1568-4946, <https://doi.org/10.1016/j.asoc.2017.09.030>. IF 3.541 (WoS), @2018 1.000
776. Salimi, S., Mawlana, M., Hammad, A. Performance analysis of simulation-based optimization of construction projects using High Performance Computing (2018) Automation in Construction, 87, pp. 158-172. IF 2.919 (WoS), @2018 1.000
777. Abd-alsabour, Nadia. "Diversification and Coarse-Grained Metaheuristics." J. of Computers 14(2), SSN: 1796-203X, (2019): 144-151. doi: 10.17706/jcp.14.2.144-151, @2019 [Линк](#) 1.000
778. Abdulrahman, M., Wood, D., Wind farm layout upgrade optimization (2019) Energies, 12 (13), art. no. 2465., @2019 [Линк](#) 1.000
779. Ahmad Hassanat, Khalid Almohammadi, Esra'a Alkafaween, Eman Abunawas, Awni Hammouri, Surya Prasath, Choosing Mutation and Crossover Ratios for Genetic Algorithms—A Review with a New Dynamic Approach, Information 2019, 10, 390; doi:10.3390/info10120390, 2019, 2-36., @2019 [Линк](#) 1.000
780. Al-Madi, N.A., Maria, K.A., Maria, E.A., Al-Madi, M.A. A structured-population human community based genetic algorithm (HCBGA) in a comparison with both the standard genetic algorithm (SGA) and the cellular genetic algorithm (CGA), (2018) ICIC Express Letters, 12 (12), pp. 1267-1275., @2019 [Линк](#) 1.000
781. Brady, James. "Rapid prototyping of distributed systems of electronic control units in vehicles." PhD diss., Loughborough University, 2019., @2019 [Линк](#) 1.000
782. Cabrita, C.L., Monteiro, J.M., Cardoso, P.J.S., Improving Energy Efficiency in Smart-Houses by Optimizing Electrical Loads Management (2019) SyNERGY MED 2019 - 1st International Conference on Energy Transition in the Mediterranean Area, art. no. 8764140., @2019 [Линк](#) 1.000
783. Colombo, Constant. "Élimination de l'impact de la résilience réseau dans un transport de flux vidéo par implémentation dans une architecture SDN contrainte par l'existant." PhD diss., Université de Lorraine, 2019., @2019 [Линк](#) 1.000
784. Evelin Berekmeri, Imre Derenyi, Anna Zafeiris, Optimal structure of groups under exposure to fake news, Applied Network Science, Vol. 4, article 101, DOI 0.1007/s41109-019-0227-z, Springer, 2019., @2019 [Линк](#) 1.000
785. Hong T., Kim J. Lee M., A multi-objective optimization model for determining the building design and occupant behaviors based on energy, economic, and environmental performance, Energy, Elsevier, DOI:10.1016/j.energy.2019.02.035, 2019, IF 4.968, @2019 [Линк](#) 1.000
786. Huang, Y., Kockelman, K.M. Electric vehicle charging station locations: Elastic demand, station congestion, and network equilibrium (2019) Transportation Research Part D: Transport and Environment, ., @2019 [Линк](#) 1.000
787. Lagresle, C., Guingand, M., de Vaujany, J.-P., Fulleringer, B. Optimization of tooth modifications for spur and helical gears using an adaptive multi-objective swarm algorithm (2019) Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, ., @2019 [Линк](#) 1.000
788. Lima L.S., Bernardino H.S., Barbosa H.J.C. (2019) Designing Combinational Circuits Using a Multi-objective Cartesian Genetic Programming with Adaptive Population Size. In: Nicosia G., Pardalos P., Umeton R., Giuffrida G., Sciacca V. (eds) Machine Learning, Optimization, and Data Science. LOD 2019. Lecture Notes in Computer Science, vol 11943. Springer, Cham, 592-604., @2019 [Линк](#) 1.000
789. Lin, Y.-C., Lee, S.-J., Ouyang, C.-S., Wu, C.-H., Air quality prediction by neuro-fuzzy modeling approach (2019) Applied Soft Computing Journal, art. no. 105898, ., @2019 [Линк](#) 1.000
790. Lwin, K.N., Myint, M., Mukada, N., Yamada, D., Matsuno, T., Saitou, K., Godou, W., Sakamoto, T. and Minami, M., 2019. Sea Docking by Dual-eye Pose Estimation with Optimized Genetic Algorithm Parameters. Journal of Intelligent & Robotic Systems, Springer, DOI: <https://doi.org/10.1007/s10846-018-0970-x>, pp.1-22., IF 1.583, @2019 [Линк](#) 1.000
791. Skakovski, A., Jędrzejowicz, P. An island-based differential evolution algorithm with the multi-size populations (2019) Expert Systems with Applications, 126, pp. 308-320., @2019 [Линк](#) 1.000

792. Dehwah, A.H. and Krarti, M., 2020. Optimal Control Strategies for Switchable Roof Insulation Systems Applied to US Residential Buildings. 1.000 ASME Journal of Engineering for Sustainable Buildings and Cities, 1(4)., @2020 [Линк](#)
793. E. Otović, M. Njirjak, I. Žužić, D. Kalafatovic and G. Mauša, "Genetic Algorithm Parametrization for Informed Exploration of Short Peptides Chemical Space," 2020 International Conference on Software, Telecommunications and Computer Networks (SoftCOM), Split, Hvar, Croatia, 2020, pp. 1-3, doi: 10.23919/SoftCOM50211.2020.9238187., @2020 [Линк](#)
794. Gao, X., Saha, R. K., Prasad, M. R., & Roychoudhury, A. Fuzz Testing based Data Augmentation to Improve Robustness of Deep Neural Networks. In proc of ICSE'20 Seul, Korea, 2020, 1147-1158, <https://doi.org/10.1145/3377811.3380415>, @2020 [Линк](#)
795. Gillawat A.K., Nagarsheth H.J. (2020) Human Upper Limb Joint Torque Minimization Using Genetic Algorithm. In: Kumar H., Jain P. (eds) Recent Advances in Mechanical Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore, 57-70., @2020 [Линк](#)
796. Huang, W., Peng, X., Shi, Z., Ma, Y., Adversarial Attack against LSTM-based DDoS Intrusion Detection System (2020) Proceedings - 1.000 International Conference on Tools with Artificial Intelligence, ICTAI, 2020-November, art. no. 9288358, pp. 686-693., @2020 [Линк](#)
797. Kanan Kumar, Wahengbam and Nongmeikapam, Kishorjit and Dinamani Singh, Aheibam, Selecting a Suitable Image Enhancement Tool for Near-Infrared Urban Scenes, Proceedings of 5th International Conference on Computers and Management (ICCM) 2019, COMPUTER SCIENCE RESEARCH NET, ISSN: 1556-5068(January 9, 2020), 40-43., @2020 [Линк](#)
798. Khamprapai, W., Tsai, C.-F., Wang, P., Analyzing the performance of the multiple-searching genetic algorithm to generate test cases (2020) 1.000 Applied Sciences (Switzerland), 10 (20), art. no. 7264, pp. 1-16. IF 2.47, @2020 [Линк](#)
799. Lal M., Sebastian A., Wang F., lu X., Steel lazy wave riser optimization using artificial intelligence tool, In proc of Int conf on Offshore Mechanics and Arctic Engineering-OMAE, Vol. 4, Article number V004T04A063, 2020., @2020 [Линк](#)
800. Madushani, Yasinthara, and Dharshana Kasthurirathna. "Incorporating Strategy Adoption into Genetic Algorithm Enabled Multi-Agent Systems." 2020 IEEE Congress on Evolutionary Computation (CEC). IEEE, 2020 art. no. 9185502., @2020 [Линк](#)
801. Ming, J.L.K.a, Taip, F.S.aEmail Author, Anuar, M.S.a, Noor, S.B.M.b, Abdullah, Z, Optimization of genetic algorithm parameter in hybrid genetic algorithm-neural network modelling: Application to spray drying of coconut milk, IOP Conference Series: Materials Science and EngineeringVolume 991, Issue 1, 22 December 2020, Article number 012139, @2020 [Линк](#)
802. Mirza Muntasir Nishat, Fahim Faisal, Anik Jawad Evan, Md. Moshior Rahman, Md. Sadman Sifat, H. M. Fazle Rabbi , Development of Genetic Algorithm (GA) Based Optimized PID Controller for Stability Analysis of DC-DC Buck Converter, Journal of Power and Energy Engineering Vol.8 No.9, DOI: 10.4236/jpee.2020.89002, @2020 [Линк](#)
803. Pasupa, K., Rathasamuth, W., & Tongsima, S. (2020). Discovery of significant porcine SNPs for swine breed identification by a hybrid of information gain, genetic algorithm, and frequency feature selection technique. BMC Bioinformatics, 21(1), 1-28. IF 2.51, @2020 [Линк](#)
804. Pérez-Castillo, R., Ruiz, F., Piattini, M. A decision-making support system for Enterprise Architecture Modelling (2020) Decision Support Systems, art. no. 113249, ., @2020 [Линк](#)
805. Puchta, E.D.P., Siqueira, H.V., Kaster, M.D.S., Optimization Tools Based on Metaheuristics for Performance Enhancement in a Gaussian Adaptive PID Controller (2020) IEEE Transactions on Cybernetics, 50 (3), art. no. 8643027, pp. 1185-1194., @2020 [Линк](#)
806. Xavier, C. M. (2020). Proposta de uma metodologia para expansão de Escolas Públicas no Estado do Amazonas. PhD thesis, Amazon University, Brazil, @2020 [Линк](#)
807. Benecke T. and Mostaghim S., "The Impact of Population Size on the Convergence of Multi-objective Evolutionary Algorithms, " 2021 IEEE 1.000 Symposium Series on Computational Intelligence (SSCI), 2021, pp. 1-8, doi: 10.1109/SSCI50451.2021.9660164., @2021 [Линк](#)
808. Cardoso P.J.S., Monteiro J., Cabrita C., Semião J., Medina Cruz D., Pinto N., Ramos C.M.Q., Oliveira L.M.R., Rodrigues J.M.F., Monitoring, Predicting, and Optimizing Energy Consumption: A Goal Toward Global Sustainability (2021) Research Anthology on Clean Energy Management and Solutions, pp. 20 - 47, Cited 0 times. DOI: 10.4018/978-1-7998-9152-9.ch002, @2021 [Линк](#)
809. David, D.R., Hansen, J.E., Kurniawan, A., Wolgamot, H., Lowe, R., McCauley, G., Multiobjective optimization for nearshore submerged wave farms (2021) Proceedings of the European Wave and Tidal Energy Conference, pp. 2116-1-2116-10., @2021 [Линк](#)
810. Lee, H.-W., Roh, M.-I., Kim, K.-S., Ship route planning in Arctic Ocean based on POLARIS (2021) Ocean Engineering, 234, art. no. 109297, . IF 3.068, @2021 [Линк](#)
811. Nogin S., Monteiro J., Melgar S.G., Peyroteo J., Mortal A., Santos C.M.A., Livramento J., Cardoso P.J.S., Semião J., A Platform for the Promotion of Energy Efficiency and Monitoring in Hotel Units (2021) Research Anthology on Clean Energy Management and Solutions, pp. 467 - 495, Cited 0 times. DOI: 10.4018/978-1-7998-9152-9.ch021, @2021 [Линк](#)
812. Ramsey, A., 2021. Evolving Efficient Floor Plans For Hospital Emergency Rooms. PhD thesis, University of Nebraska, Omaha, 1.000 USA, @2021 [Линк](#)
813. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)
814. Saad, D.A., Masoud, M., Osman, H, Multi-objective optimization of lean-based repetitive scheduling using batch and pull production, 1.000 Automation in ConstructionVolume 127, July 2021, Article number 103696 IF 5.669, @2021 [Линк](#)
815. Zhang, J. and Sun, J., 2021. Optimal Stealthy Linear-Attack Schedules on Remote State Estimation. IEEE Transactions on Signal Processing, 1.000 69, pp.2807-2817., @2021 [Линк](#)
816. Abed M.H., Kahar M.N.M., Guided genetic algorithm for solving unrelated parallel machine scheduling problem with additional resources 1.000 (2022) Indonesian Journal of Electrical Engineering and Computer Science, 26 (2), pp. 1036 – 1049, DOI: 10.11591/ijeecs.v26.i2.pp1036-1049, @2022 [Линк](#)

817. Cardoso P.J.S., Monteiro J., Cabrita C., Semião J., Cruz D.M., Pinto N., Ramos C.M.Q., Oliveira L.M.R., Rodrigues J.M.F., Monitoring, Predicting, and Optimizing Energy Consumptions: A Goal Toward Global Sustainability (2022) Research Anthology on Smart Grid and Microgrid Development, 3, pp. 1409 - 1436, DOI: 10.4018/978-1-6684-3666-0.ch064, @2022 [Линк](#) 1.000
818. David. D.R, Kurniawan A., Wolgamot H., Hansen J.E., Rijnsdorp D., Lowe R., Nearshore submerged wave farm optimisation: A multi-objective approach, Applied Ocean Research, Volume 124, July 2022, Article number 103225, IF 4.12, @2022 [Линк](#) 1.000
819. Ioannidou M., Koukos A., Sitokonstantinou V., Papoutsis I., Kontoes C., Assessing the Added Value of Sentinel-1 PolSAR Data for Crop Classification (2022) Remote Sensing, 14 (22), art. no. 5739, DOI: 10.3390/rs14225739, IF 5, 349, @2022 [Линк](#) 1.000
820. Pradhan R, Tandan SR, Dubey P. Intrusion Detection with Evolutionary Search based Feature Selection, 2ndInternational E-Conference on Emerging Trends in Computer Science, Jashpur Nagar, Jashpur, India, ISBN: 978-93-5526-767-2, 2022, 196-224, @2022 [Линк](#) 1.000
821. Skakovski A. and P. Jędrzejowicz, "A Multisize no Migration Island-Based Differential Evolution Algorithm With Removal of Ineffective Islands, " in IEEE Access, vol. 10, pp. 34539-34549, 2022, doi: 10.1109/ACCESS.2022.3162634., @2022 [Линк](#) 1.000
822. Suksen K., Benchasattabuse N., Chongstitvatana P. A, Compact Genetic Algorithm with Quantum-Assisted Feasibility Enforcement, (2022) ECTI Transactions on Computer and Information Technology, 16 (4), pp. 422 - 435, Cited 0 times. DOI: 10.37936/ecti-cit.2022164.247821, @2022 [Линк](#) 1.000
823. Tran, T. V., & Sartipi, M. (2022). Neuroevolution for Transportation Applications. UrbComp '22, August 15th, 2022, Washington, DC, USA, @2022 [Линк](#) 1.000
824. Wei, S., Wei, B., Chen, Y., Hao, L., Huang, Y., Dai, W., & Liang, B. (2022). Time-dependent short-term observational scheduling method for Yunnan 40 m Radio Telescope using a genetic algorithm. Astrophysics and Space Science, 367(9), 1-8. IF. 1.909, @2022 [Линк](#) 1.000
825. Zhou Y., Chi G., Liu J., Xiong J., Wang B., Default discrimination of credit card: Feature combination selection based on improved FDAF-score (2022) Expert Systems with Applications, 206, art. no. 117829, Cited 0 times. DOI: 10.1016/j.eswa.2022.117829, IF 8.665, @2022 [Линк](#) 1.000
826. Zhou Y., Chi G., Liu Y., Xiong Y., Wang B., Default Discrimination of Credit Card: Feature Combination Selection Based on Improved FDAF-score, Expert Systems with Applications 206, 117829, 2022, DOI: 10.1016/j.eswa.2022.117829, @2022 [Линк](#) 1.000
827. Afzal U., Mahmood T., Qamar A.M. and Khan A.H., "Managing health treatment by optimizing complex lab-developed test configurations: a health informatics perspective, " Computers, Materials & Continua, vol. 75, no.3, pp. 6251–6267, 2023. IF. 3.1, @2023 [Линк](#) 1.000
828. Ahmed E.A., Nassef A.O., El Damatty A.A., NURBS-based form-finding algorithm for double-curvature cable domes (2023) Engineering Structures, 283, art. no. 115877, DOI: 10.1016/j.engstruct.2023.115877, IF 5.582, @2023 [Линк](#) 1.000
829. Ahmed E.A., Nassef A.O., El Damatty A.A., Prestress and size optimization of double-curvature cable domes using an incremental-prestressing iterative technique (2023) Thin-Walled Structures, 186, art. no. 110655, DOI: 10.1016/j.tws.2023.110655, IF 5, 5881, @2023 [Линк](#) 1.000
830. Botticelli, M. Development of a modular Knowledge-Discovery Framework based on Machine Learning. Karlsruher Institut für Technologie Scientific Publishing, ISBN 978-3-7315-1295-0, DOI 10.5445/KSP/1000158016, 2023., @2023 [Линк](#) 1.000
831. Foqha T., Alsadi S., Elrashidi A, Salman N., Optimizing Firefly Algorithm for Directional Overcurrent Relay Coordination: A case study on the Impact of Parameter Settings, * Corresponding author e-mail: tariq.foqha@ptuk.edu.ps © 2023 NSP Natural Sciences Publishing Cor. Inf. Sci. Lett. 12, No. 7, 3205-3227 (2023) , DOI: 10.18576/isl/120745, @2023 [Линк](#) 1.000
832. Lin S.-W., Merdikawati S., Wu S.-F., Yeh R.-H., Optimization and analysis of three-part tariff pricing strategies (2023) OR Spectrum, DOI: 10.1007/s00291-023-00730-2, IF 2.7, @2023 [Линк](#) 1.000
833. Pech-Rodríguez W.J., Rodríguez-Varela F.J., Calles C., Armendáriz-Mireles E. N., Practical approach to identify electrochemical parameter in aqueous Potassium ferricyanide by solving the multi-variable Cottrell equation via genetic algorithms, Revista Mexicana de Ingeniería Química, Vol. 22(2):1, 2023, IF 2.093, @2023 [Линк](#) 1.000
834. Ramos S.A., Colautti A.S., Piccone N., Capolupo M., Diseño e implementación de un sistema de cálculo y control de trayectorias: Optimización de rutas para la visita de pacientes usando un algoritmo genético (2023) Proceedings of the LACCEI international Multi-conference for Engineering, Education and Technology, 2023-July, , @2023 [Линк](#) 1.000
835. Silva V.L., De Menezes J.M.P., Automation of fuzzy systems for intelligent traffic lights (2023) Journal of Intelligent and Fuzzy Systems, 45 (5), pp. 9141 - 9156, DOI: 10.3233/JIFS-220232, IF 2.0, @2023 [Линк](#) 1.000
836. Abdelkhalek A., Mohammed A., Attia M., Badra N., An Enhanced Genetic Algorithm using Directional-Based Crossover and normal mutation For Global Optimization Problems, Statistics, Optimization & Information Computing, Vol 12(2), 2024, 446-462. DOI: 10.19139/soic-2310-5070-1796, @2024 [Линк](#) 1.000
837. Gorton J.P., McDuffee J.L., Snarr P.L., Petrie C.M., Nelson A.T., Heat transfer optimization of uo2-mo fuel using genetic algorithms (2024) Nuclear Engineering and Design, 418, art. no. 112861. DOI: 10.1016/j.nucengdes.2023.112861, IF 1.7, @2024 [Линк](#) 1.000
838. Lee I., Park Y., Optimization of Noise Reduction Coefficient Based on Genetic Algorithm for Single Micro-perforated Panel Backed by Air Cavity, Trans. Korean Soc. Noise Vib. Eng., Vol. 34(1), pp. 95-105, ISSN: 1598-2785, DOI: https://doi.org/10.5050/KSNVE.2024.34.1.095., @2024 [Линк](#) 1.000
839. Yang J., Zheng Y., Wu J., Towards Sustainable Production: An Adaptive Intelligent Optimization Genetic Algorithm for Solid Wood Panel Manufacturing, Sustainability, Vol. 16(9), paper 3879, DOI: 10.3390/su16093785, IF 3.9, @2024 [Линк](#) 1.000

64. Fidanova S., Roeva O., Metaheuristic Techniques for Optimization of an E. coli Cultivation Model. Biotechnology and Biotechnological equipment, 27, 3, 2013, ISSN:1310-2818, 3870-3876. SJR (Scopus):0.53, JCR-IF (Web of Science):0.3

Цитира се в:

840. Castillo-Villar, Krystel K. "Metaheuristic Algorithms Applied to Bioenergy Supply Chain Problems: Theory, Review, Challenges, and Future." **1.000** *Energies* 7.11 (2014): 7640-7672., @2014
 841. Pencheva T., Angelova M., Atanasov K., Genetic algorithms quality assessment implementing intuitionistic fuzzy logic, *Research Methods: Concepts, Methodologies, Tools and applications*, Chapter 49, ISBN 978-146667457-8, IGI Globul pub, 2015, 1125-1152., @2015
 842. Drag, P. and Styczeń, K., 2016, November. The matrix-based description approach for the multistage differential-algebraic processes. In **1.000** *Computer Science and Information Systems (FedCSIS)*, 2016 Federated Conference on (pp. 939-942). IEEE. (SCOPUS), @2016
 843. Kose, Utku. "Towards an Intelligent Biomedical Engineering With Nature-Inspired Artificial Intelligence Techniques." In *Nature-Inspired Intelligent Techniques for Solving Biomedical Engineering Problems*, DOI: 10.4018/978-1-5225-4769-3.ch001 , pp. 1-26. IGI Global, 2018., @2018 [Линк](#) **1.000**
 844. Rivera, J.M., Tun, K.G., Becerril, E.L., del Real Olvera, J. and Grajeda, V.Z., 2019. OPTIMIZACIÓN EN LA PRODUCCIÓN DE METANO A PARTIR DE AGUAS RESIDUALES USANDO ALGORITMOS METAHEURISTICOS. *Journal of Energy, Engineering Optimization and Sustainability*, 3(1), pp.25-36., @2019 [Линк](#) **1.000**
 845. Ferhati, H.a, Djeflal, F.aEmail Author, Bendjerad, A.a, Benhaya, A.a, Saidi, A., Perovskite/InGaAs tandem cell exceeding 29% efficiency via optimizing spectral splitter based on RF sputtered ITO/Ag/ITO ultra-thin structure, *Physica E: Low-Dimensional Systems and Nanostructures*Volume 128, April 2021, Article number 114618, @2021 [Линк](#) **1.000**
 846. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) *Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence*, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) **1.000**
65. Fidanova S., Roeva O., Ganzha M.. ACO and GA for Parameter Settings of E.coli Fed-Batch Cultivation Model. *Studies in Computational Intelligence*, 470, Springer, 2013, ISBN:978-3-319-00409-9, 51-71. SJR:0.235
- Цитупа се в:
847. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) *Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence*, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) **1.000**
66. Fidanova S., Marinov P.. Ant Colony Optimization Start Strategies Performance According Some of the Parameters. *Lecture Notes in Computer Science*, 8236, Springer, 2013, 287-294. SJR:0.31
- Цитупа се в:
848. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) *Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence*, vol 934, pp. 385-419. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, ISSN: 1860949X., @2021 [Линк](#) **1.000**
67. Fidanova S., Shindarov M., Marinov P.. Multi-Objective Ant Algorithm for Wireless Sensor Network Positioning. *Proceedings of the Bulgarian Academy of Sciences*, 66, 3, BAS, 2013, ISSN:1310-1331, 353-360. SJR (Scopus):0.25, JCR-IF (Web of Science):0.21
- Цитупа се в:
849. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) *Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence*, vol 934, pp. 385-419. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, ISSN: 1860949X., @2021 [Линк](#) **1.000**
68. Fidanova S., Marinov P.. Number of Ants Versus Number of Iterations on Ant Colony Optimization Algorithm for Wireless Sensor Layout. *Conf. on Robotics Automation and Mechatronics*, 2013, ISSN:1314-4634, 90-93
- Цитупа се в:
850. De Santis, Roberta, Roberto Montanari, Giuseppe Vignali, and Eleonora Bottani. "An adapted ant colony optimization algorithm for the minimization of the travel distance of pickers in manual warehouses." *European Journal of Operational Research* 267(1), 2018, 120-137. <https://doi.org/10.1016/j.ejor.2017.11.017> IF 3.297 (WoS), @2018 [Линк](#) **1.000**
 851. Smith, Anthony. "Tiered-facility vehicle routing problem with global cross-docking." PhD diss., Stellenbosch: Stellenbosch University, South Africa, 2018., @2018 [Линк](#) **1.000**
 852. Alameen, A., Gupta, A., Clustering and Classification based real time analysis of health monitoring and risk assessment in Wireless Body Sensor Networks (2019) *Bio-Algorithms and Med-Systems*, art. no. 20190016, ., @2019 [Линк](#) **1.000**
 853. Bottani, E., Murino, T., Schiavo, M., Akkerman, R. Resilient food supply chain design: Modelling framework and metaheuristic solution approach (2019) *Computers and Industrial Engineering*, 135, pp. 177-198., @2019 [Линк](#) **1.000**
 854. Bouzbita, Safae, Abdellatif El Afia, and Rdouan Faizi. "Adjusting Population Size of Ant Colony System Using Fuzzy Logic Controller." In *International Conference on Computational Collective Intelligence*, pp. 309-320. LNCS 11684, Springer, Cham, 2019., @2019 [Линк](#) **1.000**
 855. Sotirova E., Petrova Y., Bozov H., InterCriteria Analysis of oncological data of the patients for the city of Burgas, 96 *Notes on Intuitionistic Fuzzy Sets* Print ISSN 1310–4926, Online ISSN 2367–8283 Vol. 25, 2019, No. 2, 96–103 DOI: 10.7546/nifs.2019.25.2.96-103, @2019 [Линк](#) **1.000**
 856. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) *Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence*, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) **1.000**

69. Sotirova E., Bureva V., Velizarova E., **Fidanova S.**, **Marinov P.**, Atanasov K.. Hexagonal Game Method Model of Forest Fire Spread with Intuitionistic Fuzzy Estimations. Notes on Intuitionistic Fuzzy Sets, 19, 3, 2013, ISSN:1310-4926, 73-80

Цитира се е:

857. Koutsomplias, Serafeim, and Lazaros Iliadis. "Soft Computing Modeling of the Illegal Immigration Density in the Borders of Greece." Artificial Neural Networks, Lecture Notes in Computer Science 11139, Springer, Cham, 2018. pp. 725-735 (SCOPUS), @2018 [Линк](#) 1.000

2014

70. Roeva O., Slavov Tz., **Fidanova S.**. Population-based vs. Single Point Search Meta-heuristics for a PID Controller Tuning. Handbook of Research on Novel Soft Computing Intelligent Algorithms: Theory and Practical Applications, 2, 1, IGI-Global, 2014, ISBN:9781466644502, DOI:10.4018/978-1-4666-4450-2, 34, 200-233

Цитира се е:

858. Lala A., Kolici V., Xhafa F., Herrero X., barolli A., On Local vs. Population-Based Heuristics for Ground Station Scheduling, In. Proc of 9th International Conference on Complex, Intelligent, and Software Intensive Systems, CISIS 2015, Brazil, 2015, 267-275., @2015 1.000
859. Holubcik M, Jandacka J, Durcansky P. Energy properties of wood pellets made from the unusual woody plants. In THE MEETING OF DEPARTMENTS OF FLUID MECHANICS AND THERMOMECHANICS (35MDFMT): Proceedings of the 35th Meeting of Departments of Fluid Mechanics and Thermomechanics, Vol. 1768, No. 1, AIP Publishing, 2016, p. 020013. (SCOPUS), @2016 1.000
860. Holubcik, M., Jandacka, J., Palacka, M. and Vician, P., 2016, September. Additives application to wheat straw to increasing the ash fusion temperature. In THE MEETING OF DEPARTMENTS OF FLUID MECHANICS AND THERMOMECHANICS (35MDFMT): Proceedings of the 35th Meeting of Departments of Fluid Mechanics and Thermomechanics Vol. 1768, No. 1, AIP Publishing, 2016, p. 020014. (SCOPUS), @2016 1.000
861. Holubcik, M., Kolkova, Z. and Jandacka, J., June. Energy properties of solid fossil fuels and solid biofuels. In THE APPLICATION OF EXPERIMENTAL AND NUMERICAL METHODS IN FLUID MECHANICS AND ENERGY 2016: XX. Anniversary of International Scientific Conference, AIP Conf. Proceeding Vol. 1745, No. 1, p. 020011, AIP Publishing, 2016. (SCOPUS), @2016 1.000
862. Holubcik, M., Vician, P. and Palacka, M., 2016, June. Thermal power output determination of 2 MW heat source by using of thermocouples. In THE APPLICATION OF EXPERIMENTAL AND NUMERICAL METHODS IN FLUID MECHANICS AND ENERGY 2016: XX. Anniversary of International Scientific Conference, AIP Conf. Proceeding Vol. 1745, No. 1, p. 020010, AIP Publishing, 2016. (SCOPUS), @2016 1.000
863. Majumder, A., Das, A. and Das, P.K., A standard deviation based firefly algorithm for multi-objective optimization of WEDM process during machining of Indian RAFM steel. Neural Computing and Applications, Springer, ISSN 0941-0643, IF 1, 492, DOI 10.1007/s00521-016-2471-9, pp.1-13. (WoS), @2016 1.000
864. Ter-Sarkisov A, Marsland S. K-Bit-Swap: a new operator for real-coded evolutionary algorithms. Soft Computing. Springer, ISSN 1432-7643, DOI 10.1007/s00500-016-2170-6, IF 1.63, 2016. (WoS), @2016 1.000
865. Vasant, P., Kose, U. and Watada, J., 2017. Metaheuristic Techniques in Enhancing the Efficiency and Performance of Thermo-Electric Cooling Devices. Energies, 10(11), p.1703. IF 2.262 (WoS), @2017 [Линк](#) 1.000
866. Diab, D.M., El Hindi, K. Using differential evolution for improving distance measures of nominal values (2018) Applied Soft Computing Journal, 64, pp. 14-34. (SCOPUS), @2018 1.000
867. Holubčík, M., Jandačka, J. and Kantová, N., 2018, August. Impact of the wood geometric parameters on the particulate matter production in small heat source. In AIP Conference Proceedings (Vol. 2000, No. 1, p. 020007). AIP Publishing.(SCOPUS), @2018 [Линк](#) 1.000
868. Majumder, A., Das, A. and Das, P.K., 2018. A standard deviation based firefly algorithm for multi-objective optimization of WEDM process during machining of Indian RAFM steel. Neural Computing and Applications, 29(3), pp.665-677. IF 4.213 (WoS), @2018 [Линк](#) 1.000
869. Samsuddin S, Othman MS, Yusuf LM. A REVIEW OF SINGLE AND POPULATION-BASED METAHEURISTIC ALGORITHMS SOLVING MULTI DEPOT VEHICLE ROUTING PROBLEM. International Journal of Software Engineering and Computer Systems. 2018;4(2):80-93., @2018 [Линк](#) 1.000
870. Haouari, F., Bali, N., Tadjine, M., Boucherit, M.S. Optimum design of CDM-backstepping control with nonlinear observer for electrohydraulic servo system using ant swarm (2019) Cybernetics and Information Technologies, 19 (1), pp. 177-189., @2019 [Линк](#) 1.000
871. Naeini, Matin Rahnamay. "A Framework for Optimization and Simulation of Reservoir Systems Using Advanced Optimization and Data Mining Tools DISSERTATION." PhD diss., UNIVERSITY OF CALIFORNIA, IRVINE, 2019., @2019 [Линк](#) 1.000
872. Matias, J. B., Porras, E. M., & Fajardo, A. C. A HYBRID PARTICLE SWARM OPTIMIZATION TO SOLVE DIETARY MENU PLANNING. JOURNAL OF CRITICAL REVIEWS, ISSN- 2394-5125 VOL 07, ISSUE 15, 2020, , @2020 [Линк](#) 1.000
873. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
874. Farimani, H.F., Bahrepor, D., Tabbakh, S.R.K. and Ghaemi, R., 2022. A new meta-heuristic algorithm: Artificial Yellow Ground Squirrel (YGSA)., @2022 [Линк](#) 1.000
875. Ahmed, M., Kamel, S. H., Abbasy, N. H., & Abouelseoud, Y. (2023). A Gaussian random walk salp swarm algorithm for optimal dynamic charging of electric vehicles. Applied Soft Computing, 147, art. no. 110838, DOI: 10.1016/j.asoc.2023.11083, 8 IF 8.7, @2023 [Линк](#) 1.000

876. Farimani, H. F., Bahrepour, D., Kamel, S. R., & Tabbakh, R. G. Yellow Ground Squirrel Algorithm (YGSA): A Novel Metaheuristic Algorithm for Global Optimization. *Power System Technology*, Vol 47(4), 2023, ISSN 1000-3673, @2023 [Линк](#) 1.000
877. Lyubenova V., Zlatkova A., Ignatova M., Adaptive Fed-batch Control of Escherichia coli Fermentation for Protein Production (2023) *International Journal Bioautomation*, 27 (3), pp. 147 - 160, DOI: 10.7546/ijba.2023.27.3.000930, @2023 [Линк](#) 1.000
878. Vivek Y., Ravi V., Krishna P.R., Scalable feature subset selection for big data using parallel hybrid evolutionary algorithm based wrapper under apache spark environment, (2023) *Cluster Computing*, 26 (3), pp. 1949 - 1983, DOI: 10.1007/s10586-022-03725-w , IF 2.303, @2023 [Линк](#) 1.000
879. Bala I., Yadav A., Kim J.H., Optimization for cost-effective design of water distribution networks: a comprehensive learning approach (2024) *Evolutionary Intelligence*, DOI: 10.1007/s12065-024-00922-x, IF 2.6, @2024 [Линк](#) 1.000

71. **Fidanova S.**, Roeva O.. Hybrid Bat Algorithm for Parameter Identification of an E. coli Cultivation Process Model. *Biotechnology and Biotechnological Equipment*, 27, 6, 2014, ISSN:1310-2818, 4323-4326. SJR (Scopus):0.35, JCR-IF (Web of Science):0.3

Цитира се в:

880. Cao Y., Cui Z., Li F., Dai C., Chen W., Improved low energy adaptive clustering hierarchy protocol based on local centroid bat algorithm, *J. Sensor Letters*, Vol 12(9), ISSN 1546-198X, SJR 0.233, 2014, pp. 1372 – 1377., @2014 1.000
881. Xue F., Cai Y., Cao Y., Cui Z., Li F., Optimal parameter settings for bat algorithm, *Int. J. of Bio-Inspired Computation*, Vol. 7(2), ISSN:1758-0366, SJR 1.009, 2015, pp. 125—128., @2015 1.000
882. Ghovvati M., Khayati G., Attar H., Vaziri A., Kinetic parameters estimation of protease production using penalty function method with hybrid genetic algorithm and particle swarm optimization, *Biotechnology and Biotechnological Equipment*, Vol. 30(2), ISSN: 1310-2818, SJR 0.162, IF 0.300, 2016, 404-410. (WoS), @2016 1.000
883. Osaba, E., Yang, X. S., Diaz, F., Lopez-Garcia, P., & Carballedo, R., An improved discrete bat algorithm for symmetric and asymmetric Traveling Salesman Problems. *Engineering Applications of Artificial Intelligence*, 48, IF 2.207, 2016 59-71. (WoS), @2016 1.000
884. Alomari, O.A., Khader, A.T., Al-Betar, M.A. and Awadallah, M.A., 2018. A novel gene selection method using modified MRMR and hybrid bat-inspired algorithm with β -hill climbing. *Applied Intelligence*, 2018, pp.1-19. IF 1.983 (WoS), @2018 [Линк](#) 1.000
885. Saad A, Dong Z, Buckham B, Crawford C, Younis A, Karimi M. A new Kriging–Bat Algorithm for solving computationally expensive black-box global optimization problems. *Engineering Optimization*. 2018 Apr 25:1-21. IF 1.728 (WoS), @2018 [Линк](#) 1.000
886. Saad, Abdulbaset Elha. "Integrating surrogate modeling to improve DIRECT, DE and BA global optimization algorithms for computationally intensive problems." PhD diss., University of Victoria, Canada, 2018., @2018 [Линк](#) 1.000
887. Sankaranarayanan, S., N. Sivakumaran, T. K. Radhakrishnan, and G. Swaminathan. "Metaheuristic-based approach for state and process parameter prediction using hybrid grey wolf optimization." *Asia-Pacific Journal of Chemical Engineering* (2018): e2215. IF 1.238, @2018 [Линк](#) 1.000
888. Saad, Abdulbaset, Zuomin Dong, Brad Buckham, Curran Crawford, Adel Younis, and Meysam Karimi. "A new kriging–bat algorithm for solving computationally expensive black-box global optimization problems." *Engineering Optimization* 51, no. 2 (2019): 265-285. IF 2.165, @2019 [Линк](#) 1.000
889. Oyinloye, O. E., Thompson, A. F., Bamisile, M. O., & Alademerin, D. S. (2020). SECURITY ASSURANCE SYSTEM USING BAT ALGORITHM ASSOCIATED WITH PARTICLE SWARM OPTIMIZATION. *International Journal of Computer Science and Information Security (IJCSIS)*, 18(3)., @2020 [Линк](#) 1.000
890. Sankaranarayanan, S., Sivakumaran, N., Radhakrishnan, T.K., Swaminathan, G., Dynamic soft sensor based parameters and demand curve estimation for Water Distribution System: Theoretical and Experimental cross validation (2020) *Control Engineering Practice*, 102, art. no. 104544, . IF 3.193, @2020 [Линк](#) 1.000
891. Turgut, Mert Sinan, and Oguz Emrah Turgut. "Global best-guided oppositional algorithm for solving multidimensional optimization problems." *Engineering with Computers* (2020): 43-73. DOI <https://doi.org/10.1007/s00366-018-0684-5>, IF 1.951, @2020 [Линк](#) 1.000
892. Liu, Y., Zhu, J.Q., Wang, J., Computation Offloading Optimization in Mobile Edge Computing Based on HBSA (2021) *Mobile Information Systems*, 2021, art. no. 7716654, ., @2021 [Линк](#) 1.000
893. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) *Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence*, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000

72. **Fidanova S.**, Paprzycki M., Roeva O.. Hybrid GA-ACO Algorithm for a Model Parameter Identification Problem. *FedCSIS, IEEE Xplorer*, 2014, ISBN:978-83-60810-58-3, DOI:DOI 10.15439/2014F373, 413-420

Цитира се в:

894. Capizzi, G., Lo Sciuto, G., Napoli, C., Tramontana, E., & Wozniak, M. (2015, September). Automatic classification of fruit defects based on co-occurrence matrix and neural networks. In *Computer Science and Information Systems (FedCSIS), 2015 Federated Conference on* pp. 861-867. IEEE., @2015 1.000
895. Drag, P., & Styczen, K. (2015, September). Simulated annealing with constraints aggregation for control of the multistage processes. In *Computer Science and Information Systems (FedCSIS), 2015 Federated Conference on* (pp. 461-469). IEEE., @2015 1.000
896. Xianfeng Y, HongTao L. Load Balancing of Virtual Machines in Cloud Computing Environment Using Improved Ant Colony Algorithm, *Int J. of Grid Distributed Computing*, Vol. 8(6), ISSN: 2005-4262 , 2015, pp. 19-30., @2015 1.000

897. Drag, P. and Styczen, K, The Constraints Aggregation Technique for Control of Ethanol Production, Recent Advances in Computational Optimization, Studies of Computational Intelligence 655, Springer, 2016, 179-192(SCOPUS), @2016 1.000
898. Drag, P. and Styczen, K., 2016, May. Evaluation of the solution quality for control of the nonlinear descriptor processes. In 2016 17th International Carpathian Control Conference (ICCC) IEEE Xplorer, , 2016, pp. 166-171., @2016 1.000
899. Drag, P. and Styczeń, K., 2016, November. The matrix-based description approach for the multistage differential-algebraic processes. In Computer Science and Information Systems (FedCSIS), 2016 Federated Conference on, IEEE Xplorer, 2016, 939-942. (SCOPUS), @2016 1.000
900. Mishra, S., Singh, S.S., Mishra, B.S.P. and Panigrahi, P.K., Research on Soft Computing Techniques for Cognitive Radio. International Journal of Mobile Computing and Multimedia Communications (IJMCMC), 7(2), SJR 0.122, 2016, pp.53-73. (SCOPUS), @2016 1.000
901. Chawla, Suruchi. "Web page ranking using ant colony optimisation and genetic algorithm for effective information retrieval." International Journal of Swarm Intelligence 3, no. 1 (2017): 58-76., @2017 [Линк](#) 1.000
902. Ganesan, T., M. S. Aris, I. Elamvazuthi, and Momen Kamal Tageldeen. "Type-2 Fuzzy Programming for Optimizing the Heat Rate of an Industrial Gas Turbine via Absorption Chiller Technology." World Academy of Science, Engineering and Technology, International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering 11, no. 3 (2017): 216-222., @2017 [Линк](#) 1.000
903. Jayanth, J., Shalini, V.S., Ashok Kumar, T., Koliwad, S. Classification of remote sensed data using hybrid method based on ant colony optimization with electromagnetic metaheuristic (2017) Current Science, Vol. 113 (2), pp. 284-291. SJR 0.285. (SCOPUS), @2017 [Линк](#) 1.000
904. Tam, J.H., Ong, Z.C., Ismail, Z., Ang, B.C., Khoo, S.Y. and Li, W.L., 2017. Inverse identification of elastic properties of composite materials using hybrid GA-ACO-PSO algorithm. Inverse Problems in Science and Engineering, Vol 26(10), pp.1432-1463. <https://doi.org/10.1080/17415977.2017.1411911>, @2017 [Линк](#) 1.000
905. Abidin, D., 2018, September. A Hybrid Genetic-Differential Evolution Algorithm (HybGADE) for a Constrained Sequencing Problem. In 2018 International Conference on Artificial Intelligence and Data Processing (IDAP) (pp. 1-6). IEEE., @2018 [Линк](#) 1.000
906. Etminaniesfahani, A., Ghanbarzadeh, A., Marashi, Z. Fibonacci indicator algorithm: A novel tool for complex optimization problems (2018) Engineering Applications of Artificial Intelligence, 74, pp. 1-9. Elsevier, SJR 3.75, IF 2.894.(SCOPUS, WoS), @2018 [Линк](#) 1.000
907. Ladhari T, Khoja I, Msahli F, Sakly A. Parameter identification of a reduced nonlinear model for an activated sludge process based on cuckoo search algorithm. Transactions of the Institute of Measurement and Control. 2019 Feb 6:0142331218824384., @2019 [Линк](#) 1.000
908. Nyoman Gunantara, I Dewa Nyoman Nurweda Putra, The Characteristics of Metaheuristic Method in Selection of Path Pairs on Multicriteria Ad Hoc Networks, Journal of Computer Networks and Communications 2019(4):1-6, Hindawi pub., DOI: 10.1155/2019/7983583, @2019 [Линк](#) 1.000
909. Olteanu, M., Paraschiv, N. and Koprinkova-Hristova, P., 2019. Genetic Algorithms vs. Knowledge-Based Control of PHB Production. Cybernetics and Information Technologies, 19(2), pp.104-116. SJR 0.218, @2019 [Линк](#) 1.000
910. Šešum-Čavić, V., 2020. A survey of swarm-inspired metaheuristics in P2P systems: some theoretical considerations and hybrid forms. International Journal of Swarm Intelligence, 5(2), pp.244-282., @2020 [Линк](#) 1.000
911. Traneva, Velichka, Stoyan Tranev, and Vassia Atanassova. "Index Matrices as a Cost Optimization Tool of Resource Provisioning in Uncertain Cloud Computing Environment." In Recent Advances in Computational Optimization, pp. 155-179. Springer, Cham, 2020., @2020 [Линк](#) 1.000
912. Zhu, X., Rehman, K.U., Wang, B., Shahzad, M., Modern soft-sensing modeling methods for fermentation processes (2020) Sensors (Switzerland), 20 (6), art. no. 1771, ., @2020 [Линк](#) 1.000
913. Badar AQ. Evolutionary Optimization Algorithms. CRC Press; 2021 Oct 29., @2021 [Линк](#) 1.000
914. Bureva V., Traneva V., Zoteva D., Tranev S. (2021) Generalized Net Model Simulation of Cluster Analysis Using CLIQUE: Clustering in Quest. In: Dimov I., Fidanova S. (eds) Advances in High Performance Computing. HPC 2019. Studies in Computational Intelligence, vol 902. Springer, Cham., @2021 [Линк](#) 1.000
915. Narendra, V.G., Pinto, A.J., Defects Detection in Fruits and Vegetables Using Image Processing and Soft Computing Techniques (2021) Advances in Intelligent Systems and Computing, 1275, pp. 325-337., @2021 [Линк](#) 1.000
916. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
917. Traneva V., Tranev S. (2021) An Intuitionistic Fuzzy Zero Suffix Method for Solving the Transportation Problem. In: Dimov I., Fidanova S. (eds) Advances in High Performance Computing. HPC 2019. Studies in Computational Intelligence, vol 902. Springer, Cham., @2021 [Линк](#) 1.000
918. Xia, W., Shen, L., Joint Resource Allocation at Edge Cloud Based on Ant Colony Optimization and Genetic Algorithm (2021) Wireless Personal Communications, .IF 1.061, @2021 [Линк](#) 1.000
919. Arya A.K., A critical review on optimization parameters and techniques for gas pipeline operation profitability (2022) Journal of Petroleum Exploration and Production Technology, DOI: 10.1007/s13202-022-01490-5, IF 2.077, @2022 [Линк](#) 1.000
920. Etminaniesfahani, A., Gu, H., Salehipour, A., ABFIA: A hybrid algorithm based on artificial bee colony and Fibonacci indicator algorithm, Journal of Computational Science, 2022. IF 3.976, @2022 [Линк](#) 1.000
921. Guallichico R., Montalvo W., Identification of a Ball-Plate System Using Ant Colony Algorithm (2022) Lecture Notes in Electrical Engineering, 931 LNEE, pp. 3 - 14, DOI: 10.1007/978-3-031-08280-1_1, @2022 [Линк](#) 1.000
922. Zhan X., Zhao H., Wang N., Li W., Xie Y., Multi-strategy improved sparrow search algorithm-based path planning of unmanned surface vehicle [基于多策略改进麻雀搜索算法的无人艇路径规划], (2024) Dalian Haishi Daxue Xuebao/Journal of Dalian Maritime University, 50 (1), pp. 1 - 10, DOI: 10.16411/j.cnki.issn1006-7736.2024.01.001, @2024 [Линк](#) 1.000

73. **Fidanova S., Marinov P.,** Paprzycki M.. Multi-Objective ACO Algorithm for WSN Layout: Performance According Number of Ants. J. of Metaheuristics, 3, 2, InTech, 2014, ISSN:1755-2176, 149-161

Цитира се в:

923. Nesmachnow, S., 2014. An overview of metaheuristics: accurate and efficient methods for optimisation. International Journal of 1.000
Metaheuristics, 3(4), pp.320-347., @2014
924. JORDEHI, R., A survey of premature convergence mitigation strategies in particle swarm optimisation. Frontiers, 1, ISSN 2095-9184, 1.000
doi:10.1631 1/FITEE.15000 65, IF 0.415, 2015. (WoS), @2015
925. Jordehi, A. R., "Parameter estimation of solar photovoltaic (PV) cells: A review." Renewable and Sustainable Energy Reviews 61, IF 5.901, 1.000
2016, 354-371. (WoS), @2016
926. Lopez-Matencio P., An ACOR-Based Multi-Objective WSN Deployment Example for Lunar Surveying, J. Sensor 16(2), article 209, DOI: 1.000
10.3390/s16020209, ISSN 1424-8220, IF 2.245, 2016. (WoS), @2016
927. Saleh I., Enhancing Multi-Objective Optimization for Wireless Sensor Networks Coverage using Swarm Bat Algorithm, International Journal 1.000
of Computer Applications Vol 175(9), ISSN 0975-8887, 2017, 27-33., @2017 [Линк](#)
928. Dhanup S. Pillai, N. Rajasekar, Metaheuristic algorithms for PV parameter identification: A comprehensive review with an application to 1.000
threshold setting for fault detection in PV systems, In Renewable and Sustainable Energy Reviews Vol 82(3), 2018, , ISSN 1364-0321,
<https://doi.org/10.1016/j.rser.2017.10.107>. (WoS), @2018 [Линк](#)
929. Khan, M.F.N., Ali, G. and Khan, A.K., 2019, January. A Review of Estimating Solar Photovoltaic Cell Parameters. In 2019 2nd International 1.000
Conference on Computing, Mathematics and Engineering Technologies (iCoMET) (pp. 1-6). IEEE., @2019 [Линк](#)
930. Khursheed, M.-U.-N., Nadeem Khan, M.F., Ali, G., Khan, A.K. A review of estimating solar photovoltaic cell parameters (2019) 2019 2nd 1.000
International Conference on Computing, Mathematics and Engineering Technologies, iCoMET 2019, art. no. 8673500, ., @2019 [Линк](#)
931. Nasir, H.J.A., Ku-Mahamud, K.R., Kamioka, E. Parameter adaptation for ant colony system in wireless sensor network (2019) Journal of 1.000
Information and Communication Technology, 18 (2), pp. 167-182., @2019 [Линк](#)
932. Abdul Nasir, H.J., Ku-Mahamud, K.R., Kamioka, E. Parameter adaptation for ant colony system in wireless sensor network (2019) Journal of 1.000
Information and Communication Technology, 18 (1), pp. 167-182., @2020 [Линк](#)
933. Chouhan, A., Sharma, A., An assessment on solar cell parameter estimation, deposition techniques, physical properties, application and 1.000
challenges (2020) International Journal of Advanced Science and Technology, 29 (10 Special Issue), pp. 1685-1700. SJR 0.11, @2020 [Линк](#)
934. Moshref, M., Al-Sayyed, R., Al-Sharaeh, S. Multi-objective optimization algorithms for wireless sensor networks: A comprehensive survey 1.000
(2020) Journal of Theoretical and Applied Information Technology, 98 (14), pp. 2839-2871., @2020 [Линк](#)
935. Nasir HJ. Parameter adaptation for ant colony system in wireless sensor network. Journal of Information and Communication Technology. 1.000
ISSN Print 1675-414X, 2020 Jan 27;18(2):167-82. SJR 0.33, @2020 [Линк](#)
936. Sharma, N. and Gupta, V., 2020. Meta-heuristic based optimization of WSNs Localisation Problem-a Survey. Procedia Computer Science, 1.000
173, pp.36-45., @2020 [Линк](#)
937. Ribagin S., Lyubanova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science 1.000
in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)
938. Banerjee, A., Garg, D., Das, V., Sahoo, L., Nath, I., Varadarajan, V., Kotecha, K., Design of Energy Efficient WSN Using a Noble SMOWA 1.000
Algorithm, CMC-Computers, Materials & Continua, Vol.72, No.2, pp. 3585-3600, 2022, DOI:10.32604/cmc.2022.025233 IF
3.772, @2022 [Линк](#)
939. Sharma N., Gupta V., A Survey on Applications, Challenges, and Meta-Heuristic-Based Solutions in Wireless Sensor Network (2022) 1.000
EAI/Springer Innovations in Communication and Computing, pp. 105 - 131, DOI: 10.1007/978-3-031-07297-0_8, @2022 [Линк](#)
940. Bhardwaj, S. (2023). An Improved Method for Localization in WSNs based on Meta heuristics Optimization Algorithm. PhD thesis, IIMT 1.000
University Meerut ., @2023 [Линк](#)

74. Roeva O., **Fidanova S.** Parameter Identification of an E.coli Cultivation Peocess Model Using Hybrid Methaeuristics. J. of Metaheuristics, 3, 4, 2014, ISSN:1755-2176, 133-148

Цитира се в:

941. Nesmachnow, S., 2014. An overview of metaheuristics: accurate and efficient methods for optimisation. International Journal of 1.000
Metaheuristics, 3(4), pp.320-347., @2014
942. Dhoubi, S., Dhoubi, S. and Chabchoub, H., 2016. Enriched artificial bee colony metaheuristic for hierarchical goal programming engineering 1.000
design problems. International Journal of Metaheuristics, 5(3-4), pp.173-192., @2016 [Линк](#)
943. Ribagin S., Lyubanova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science 1.000
in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)

75. **Fidanova S., Marinov P.,** Paprzycki M.. Influence of the Number of Ants on Multy-Objective Ant Colony Optimization Algorithm for Wireless Sensor Network Layout. Lecture Notes in Artificial Intelligence, 8353, Springer, 2014, ISBN:978-366243879-4, ISSN:0302-9743, 232-239. SJR:0.272

Цитира се в:

944. Kellner, A., Multi-objective ant colony optimisation in wireless sensor networks, Modeling and Optimization in Science and Technologies, 10, 1.000 SJR 0.36 2017, pp. 51-78. (SCOPUS), @2017 [Линк](#)
 945. Alvarez Fernandez, Stephanie Milena. A metaheuristic and simheuristic approach for the p-HUB median problem from a telecommunication perspective. Diss. Universitat Oberta de Catalunya. Spain, @2018 [Линк](#) 1.000
 946. De Santis R, Montanari R, Vignali G, Bottani E. An adapted ant colony optimization algorithm for the minimization of the travel distance of pickers in manual warehouses. European Journal of Operational Research, Vol 267(1), 2018, 120-137, IF 3.297 (WoS), @2018 [Линк](#) 1.000
 947. Fernandez, S.A., Juan, A.A., de Armas Adrián, J., e Silva, D.G. and Terrén, D.R., Metaheuristics in Telecommunication Systems: Network Design, Routing, and Allocation Problems. IEEE Systems Journal. DOI: 10.1109/JSYST.2017.2788053 , 12 January 2018, IF 3.882 (WoS), @2018 [Линк](#) 1.000
 948. Manish Singhal & Dr. Pushpneel Verma, Ant-Based Clustering In Literature Review On To Optimize Join Queries in Distributed Database Using Ant Colony Algorithm with Evolutionary Approach, Journal of Shanghai Jiaotong University, Volume 16, Issue 10, 281-289, SJR 0, 172, @2020 [Линк](#) 1.000
 949. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
 950. Matos, J., Rebello, C. M., Costa, E. A., Queiroz, L. P., Regufe, M. J. B., & Nogueira, I. B. (2022). Bio-inspired Algorithms in the Optimisation of Wireless Sensor Networks. arXiv preprint arXiv:2210.04700., @2022 [Линк](#) 1.000
76. Roeva O., **Fidanova S.**, Atanasov K.. Hybrid ACO-GA for Parameter Identification of an E. coli Cultivation Process Model, Large-Scale Scientific Computing. Lecture Notes in Computer Science, 8353, Springer, 2014, ISSN:0302-9743, 288-295. SJR:0.31
- Цитира се в:
951. Angelova, M., Vassilev, P. and Pencheva, T., 2020. Genetic Algorithm and Cuckoo Search Hybrid Technique for Parameter Identification of Fermentation Process Model. International Journal Bioautomation, 24(3), p.277., @2020 [Линк](#) 1.000
 952. Lester, M., Guerrero, M., Burge, J., Using evolutionary algorithms to select text features for mining design rationale (2020) Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 132-146., @2020 [Линк](#) 1.000
 953. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
77. **Fidanova S.**, **Marinov P.**, Atanasov K.. New Estimations of Ant Colony Optimization Start Nodes. Control and Cybernetics, 43, 3, Polish Academy of Science, 2014, ISSN:0324-8569, 471-485. ISI IF:0.38
- Цитира се в:
954. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934, pp. 385-419. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, ISSN: 1860949X, @2021 [Линк](#) 1.000

2015

78. **Fidanova S.**, Roeva O.. InterCriteria Analysis of Ant Colony Optimzation Application to GPS Surveying Problems. Issues in Intuitionistic Fuzzy Sets and Generalized Nets, 12, 2015, 20-38
- Цитира се в:
955. Atanasova, V., Doukovska, L., Michalikova, A. Radeva, I. (2016) Intercriteria analysis: From pairs to triples. Notes on Intuitionistic Fuzzy Sets. Vol. 22, 2016, No. 5, 98–110, @2016 1.000
 956. Sotirova E, Bureva V, Markovska I, Sotirov S, Vankova D. Application of the InterCriteria Analysis Over Air Quality Data. InInternational Conference on Flexible Query Answering Systems , LNCS 10333, Springer, SJR 0.323, 2017, pp. 226-235., @2017 [Линк](#) 1.000
 957. Бистра Юлиянова Захаријева, ИНТЕЛИГЕНТНИ МЕТОДИ ЗА АНАЛИЗ НА РЕХАБИЛИТАЦИОННИ ПРОЦЕСИ, PhD thesis, ИКТ-BAS, Bulgaria, @2018 [Линк](#) 1.000
 958. Doukovska, L., Atanasova, V., Sotirova, E., Vardeva, I., & Radeva, I. (2019). Defining Consonance Thresholds in InterCriteria Analysis: An Overview. In Intuitionistic Fuzziness and Other Intelligent Theories and Their Applications, Studies of Computational Intelligence vol 757, (pp. 161-179). Springer, Cham., @2019 [Линк](#) 1.000
 959. Shahpazov, Georgi Lazarov. "INTELLIGENT TECHNIQUES FOR ANALYSING FINANCING PROCESSES OF SMALL AND MEDIUM ENTERPRISES." PhD thesis, ИКТ BULGARIAN ACADEMY OF SCIENCES, 2019., @2019 [Линк](#) 1.000
 960. Shrivastava, Kush, and Shishir Kumar. "The Effectiveness of Parameter Tuning on Ant Colony Optimization for Solving the Travelling Salesman Problem." In 2018 8th International Conference on Communication Systems and Network Technologies (CSNT), pp. 78-83. IEEE, 2019., @2019 [Линк](#) 1.000
 961. Sotirova E., Petrova Y., Bozov H., InterCriteria Analysis of oncological data of the patients for the city of Burgas, 96 Notes on Intuitionistic Fuzzy Sets Print ISSN 1310–4926, Online ISSN 2367–8283 Vol. 25, 2019, No. 2, 96–103 DOI: 10.7546/nifs.2019.25.2.96-103, @2019 [Линк](#) 1.000

962. Sotirova, E., Vasilev, V., Bozova, G., Bozov, H., Sotirov, S., Application of the InterCriteria Analysis Method to a Dataset of Malignant Neoplasms of the Digestive Organs for the Burgas Region for 2014-2018 (2019) 2019 Big Data, Knowledge and Control Systems Engineering, BdkCSE 2019, art. no. 9010609, ., @2019 [Линк](#) 1.000
 963. Atanassov, K., Bureva, V., Four Operations over Extended Intuitionistic Fuzzy Index Matrices and Some of Their Applications (2021) Studies in Computational Intelligence, 902 SCI, pp. 27-39., @2021 [Линк](#) 1.000
79. Dimov, I., Fidanova, S., Lirkov, I. Numerical Methods and Applications. 8th International Conference, NMA 2014, Borovets, Bulgaria, 8962, Springer, 2015, ISBN:978-3-319-15584-5, ISSN:0302-9743, DOI:10.1007/978-3-319-15585-2, VI-VI. SJR:0.369
- Цитирана се е:
964. Brian Zukas, Synthesis of Metal Oxide Nanoparticles and Mesocrystals in an Interphase Droplet Reactor, Doctoral Dissertations, University of New Hampshire, Durham, 2018, @2018 [Линк](#) 1.000
 965. Antoshchenkov, R., Nikiforov, A., Galych, I., Tolstolutskyi, V., Antoshchenkova, V., Diundik, S. Solution of the system of gas-dynamic equations for the processes of interaction of vibrators with the air (2020) Eastern-European Journal of Enterprise Technologies, 2 (7), pp. 67-73. DOI: 10.15587/1729-4061.2020.198501, @2020 [Линк](#) 1.000
80. Roeva O., Fidanova S., Paprzycki M.. Population Size Influence on the Genetic and Ant Algorithms Performance in Case of Cultivation Process Modelling. Recent Advances in Computational Optimization: Results of the Workshop on Computational Optimization WCO 2013, Studies in Computational Intelligence, 580, Springer, 2015, ISBN:978-3-319-12630-2, ISSN:1860-949X, DOI:10.007/978-3-319-12631-9_7, 107-120. SJR:0.235
- Цитирана се е:
966. Liu, Y., Liu, J., Li, X. and Zhang, Z., A Self-Adaptive Control Strategy of Population Size for Ant Colony Optimization Algorithms. In International Conference in Swarm Intelligence . Springer International Publishing, 2016, pp. 443-450., @2016 1.000
 967. Sani, Nor Samsiah. "Substructural Analysis Using Evolutionary Computing Techniques." PhD diss., University of Sheffield, 2016., @2016 [Линк](#) 1.000
 968. Surbhi Jindal, Manu Bansal, A Novel and Efficient Variable Ordering and Minimization Algorithm based on Evolutionary Computation, Indian Journal of Science and Technology, Vol 9(48), DOI: 10.17485/ijst/2016/v9i48/93703, ISSN (Print) : 0974-6846, 2016, IF 5.07 (WoS), @2016 [Линк](#) 1.000
 969. Nalepa, Jakub, and Miroslaw Blocho. "Verification of Correctness of Parallel Algorithms in Practice." In Recent Advances in Computational Optimization, pp. 135-151. Springer, Cham, 2018. (SCOPUS), @2017 [Линк](#) 1.000
 970. Menezes, B.A.M., Wrede, F., Kuchen, H., Neto, F.B.L. Parameter Selection for swarm intelligence algorithms: Case Study on Parallel Implementation of FSS, (2018) International Journal of Swarm Intelligence Research, 9 (4), pp. 1-20. (SCOPUS), @2018 [Линк](#) 1.000
 971. Salimia S., Mawlanab M., Hammad A., Performance analysis of simulation-based optimization of construction projects using High Performance Computing, Automation in Construction, Volume 87, March 2018, Pages 158-172, <https://doi.org/10.1016/j.autcon.2017.12.003>, IF 10.517, @2018 [Линк](#) 1.000
 972. Sasaki H. Modeling time-sensitive swarm dynamics. In Computational Intelligence (SSCI), 2017 IEEE Symposium Series, 2017 (SCOPUS), @2018 [Линк](#) 1.000
 973. Baziyyad, M., Rabie, T., Bou Nassif, A., Fareh, R. Comparative study on the performance of heuristic optimization techniques in robotic path planning (2019) ACM International Conference Proceeding Series, pp. 157-161., @2019 [Линк](#) 1.000
 974. Liu, G., Geng, B., Zheng, X., Xue, Q., Dong, H., Lauder, G.V. An image-guided computational approach to inversely determine in vivo material properties and model flow-structure interactions of fish fins (2019) Journal of Computational Physics, 392, pp. 578-593., @2019 [Линк](#) 1.000
 975. N A Timofeev, P V Peresunko, S R Nekhonoshin, V V Kukartsev, V V Tynchenko and A S Mikhalev , Problem of the selection of genetic algorithm initial configuration, Journal of Physics 1353(1), IOP Publishing, doi:10.1088/1742-6596/1353/1/012113, 2019, @2019 [Линк](#) 1.000
 976. Qazani, M.R.C., Asadi, H. and Nahavandi, S., High-Fidelity Hexarot Simulation-Based Motion Platform Using Fuzzy Incremental Controller and Model Predictive Control-Based Motion Cueing Algorithm, IEEE System Journal, DOI: 10.1109/JSYST.2019.2940754, @2019 [Линк](#) 1.000
 977. Cadena Rodríguez, Isnardo. "A fuzzy genetic model for estimating forces in link chains from the measurement of the natural frequencies: Modelo fuzzy genético para a estimação de forças em correntes a partir da medição das frequências naturais." (2020). PhD thesis, Univ. Estadual de Campinas, Brasil, @2020 [Линк](#) 1.000
 978. Cardoso, Pedro JS, et al. "Monitoring, Predicting, and Optimizing Energy Consumptions: A Goal Toward Global Sustainability." Smart Systems Design, Applications, and Challenges. IGI Global, 2020. 80-107., @2020 [Линк](#) 1.000
 979. Choi, M., Wu, C. and Kim, J.W., 2020. Numerical Optimization of the Welding Sequence for Mitigating Welding Deformation in Aluminum Pipe Structures by Using a Genetic Algorithm. International Journal of Precision Engineering and Manufacturing, pp.1-11. <https://doi.org/10.1007/s12541-020-00420-x> IF1.379, @2020 [Линк](#) 1.000
 980. Luo, Y., Yan, S., Li, H., Lai, P., Zheng, Y. Focusing light through scattering media by reinforced hybrid algorithms (2020) APL Photonics, 5 (1), art. no. 016109, , @2020 [Линк](#) 1.000
 981. Manh, D.V., Lin, L.-T., Liu, P., Hai, D.T., Multiple objective genetic algorithms for solving traffic signal optimization issue at a complex intersection: A case study in Taichung city, Taiwan (2020) Open Civil Engineering Journal, 14 (1), pp. 126-140. SJR 0.241, @2020 [Линк](#) 1.000
 982. Pasupa, K., Rathasamuth, W., Tongsima, S., Discovery of significant porcine SNPs for swine breed identification by a hybrid of information gain, genetic algorithm, and frequency feature selection technique (2020) BMC Bioinformatics, 21 (1), art. no. 216, . IF 2.511, @2020 [Линк](#) 1.000
 983. Qazani, M.R.C., Asadi, H. and Nahavandi, S., A New Gantry-Tau-Based Mechanism Using Spherical Wrist and Model Predictive Control-Based Motion Cueing Algorithm. Robotica, Vol 38(8) 2020, 1359-1380. IF 1.509, @2020 [Линк](#) 1.000

984. Ashfaq M, Minallah N, Rehman Au, Belhaouari SB (2021) Multistage forward path regenerative genetic algorithm for brain magnetic resonant imaging registration. *Big Data 3:X*, 1–16, DOI: 10.1089/big.2021.0085. IF 2.128, @2021 [Линк](#) 1.000
985. He C., Cheng R. (2021) Population Sizing of Evolutionary Large-Scale Multiobjective Optimization. In: Ishibuchi H. et al. (eds) *Evolutionary Multi-Criterion Optimization. EMO 2021. Lecture Notes in Computer Science*, vol 12654. Springer, Cham. https://doi.org/10.1007/978-3-030-72062-9_4, @2021 [Линк](#) 1.000
986. Khasanah, M. N., & Asih, H. M. Developing Simulation Optimization Model to Minimize Total Inventory Cost under Uncertain Demand. *Proceedings of the Second Asia Pacific International Conference on Industrial Engineering and Operations Management Surakarta, Indonesia, September 14-16, 2021*, @2021 [Линк](#) 1.000
987. Lu, M., Xiao, X., Liu, G., Lu, H., Microwave breast tumor localization using wavelet feature extraction and genetic algorithm-neural network (2021) *Medical Physics*, IF 4.071, @2021 [Линк](#) 1.000
988. Pachua, J.L., Roy, A. and Kumar Saha, A., 2021. An Overview of Crossover Techniques in Genetic Algorithm. *Modeling, Simulation and Optimization*, pp.581-598., @2021 [Линк](#) 1.000
989. Pachua, J.L., Roy, A., Kumar Saha, A., An Overview of Crossover Techniques in Genetic Algorithm, *Smart Innovation, Systems and Technologies* Volume 206, 2021, Pages 581-598, @2021 [Линк](#) 1.000
990. Sevinc O., Mehrubeoglu M., Guzel M.S., Askerzade I. (2021) White Blood Cell Classification Using Genetic Algorithm–Enhanced Deep Convolutional Neural Networks. In: Arabnia H.R., Ferens K., de la Fuente D., Kozerenko E.B., Olivas Varela J.A., Tinetti F.G. (eds) *Advances in Artificial Intelligence and Applied Cognitive Computing. Transactions on Computational Science and Computational Intelligence*. Springer, Cham. https://doi.org/10.1007/978-3-030-70296-0_3, pp. 29-43, @2021 [Линк](#) 1.000
991. Ullah, G.M.W., Nehring, M., A multi-objective mathematical model of a water management problem with environmental impacts: An application in an irrigation project, (2021) *PLoS ONE*, 16 (8 August), art. no. e0255441, ., @2021 [Линк](#) 1.000
992. Villuendas-Rey, Y.; Barroso-Cubas, E.; Camacho-Nieto, O.; Yáñez-Márquez, C. A General Framework for Mixed and Incomplete Data Clustering Based on Swarm Intelligence Algorithms. *Mathematics* 2021, 9(7), 786. <https://doi.org/10.3390/math9070786> IF 1.741, @2021 [Линк](#) 1.000
993. Ardeh, M. A. Transfer Optimisation in Genetic Programming for Solving Uncertain Capacitated Arc Routing Problem. PhD thesis, Victoria University of Wellington, New Zealand, @2022 [Линк](#) 1.000
994. Cavalcante T., Bessa I., Lima Filho E.B., Cordeiro L.C., Formal synthesis of non-fragile state-feedback digital controllers considering performance requirements for step response (2022) *Scientific Reports*, 12 (1), art. no. 15429, DOI: 10.1038/s41598-022-19284-4, IF 4.996, @2022 [Линк](#) 1.000
995. Ding, C., Zheng, Z., Zheng, S., Wang, X., Xie, X., Wen, D., ... & Zhang, Y. (2022). Accurate Air-Quality Prediction Using Genetic-Optimized Gated-Recurrent-Unit Architecture. *Information*, 13(5), 223. <https://doi.org/10.3390/info13050223>, @2022 [Линк](#) 1.000
996. Hai D.T., Manh D.V., Nhat N.M., GENETIC ALGORITHM APPLICATION FOR OPTIMIZING TRAFFIC SIGNAL TIMING REFLECTING VEHICLE EMISSION INTENSITY (2022) *Transport Problems*, 17 (1), pp. 5 - 16, Cited 0 times. DOI: 10.20858/tp.2022.17.1.01, IF 1.03, @2022 [Линк](#) 1.000
997. Ioannidou M., Koukos A., Vasileios Sitokoustantinou V., Ioannis Papoutsis I., Kontoes Ch., Assessing the Added Value of Sentinel-1 PolSAR Data for Crop Classification , *Remote Sensing* 14(22), paper 5739; <https://doi.org/10.3390/rs14225739>, 2022, IF 5, 349, @2022 [Линк](#) 1.000
998. Kumari T.G., Sriatha N., Prasad M.C., Ram G.P., Vineeth M.K., A parametric study on the cost optimization of a reinforced concrete abutment using a genetic algorithm (2022) *Canadian Journal of Civil Engineering*, 49 (8), pp. 1392 - 1401, DOI: 10.1139/cjce-2021-0038, IF 1.771, @2022 [Линк](#) 1.000
999. Kwa, H.L.. The Exploration and Exploitation Dynamics of Target Tracking Swarms. 2022. PhD Thesis. Singapore University of Technology and Design., @2022 [Линк](#) 1.000
1000. Nisrina N., Kemal M.I., Akbar I.A., Widiarti T., The Effect of Genetic Algorithm Parameters Tuning for Route Optimization in Travelling Salesman Problem through General Full Factorial Design Analysis, (2022) *Evergreen*, 9 (1), pp. 163 - 203, Cited 0 times. DOI: 10.5109/4774233, @2022 [Линк](#) 1.000
1001. Pedrammehr S., Qazani M.R.C., Asadi H., Ettetfagh M.M., Nahavandi S., Model-based control of axisymmetric hexarot parallel manipulators (2022) *Results in Control and Optimization*, 7, art. no. 100135, DOI: 10.1016/j.rico.2022.100135, @2022 [Линк](#) 1.000
1002. Qazani M. R. Ch., Asadi H., Tabarsinezhad F., Pedrammehr S., Rostami M., Lim Ch. P., Nahavandi S., Weight Tuning of a Model Predictive Control Motion Cueing Using a Particle Swarm Optimization Algorithm, *Australasian Conference on Robotics and Automation (ACRA 2022)*At: Australian Cobotics Centre, Brisbane, @2022 [Линк](#) 1.000
1003. Qazani M.R.C., Pedrammehr S., Asadi H., Ettetfagh M.M., Nahavandi S., Model-based control of axisymmetric hexarot parallel manipulators, *Results in Control and Optimization*, Volume 7, 2022, 100135, ISSN 2666-7207, DOI: 10.1016/j.rico.2022.100135, @2022 [Линк](#) 1.000
1004. Skakovski A., Jędrzejowicz, P., "A Multisize no Migration Island-Based Differential Evolution Algorithm With Removal of Ineffective Islands, " in *IEEE Access*, vol. 10, pp. 34539-34549, 2022, doi: 10.1109/ACCESS.2022.3162634., @2022 [Линк](#) 1.000
1005. Abdullah R., Vijean V., Muthusamy H., Kassim F.N., Abdullah Z., Rawi J.A.R., Wavelet-based Parametric Feature Subset Selection for Speaker and Accent Recognition using Genetic Algorithm, *Journal of Telecommunication, Electronic and Computer Engineering*ISSN: 2180 –1843 e-ISSN: 2289-8131 Vol. 15No. 1, 2023, @2023 [Линк](#) 1.000
1006. Afzal U., Mahmood T., Qamar A.M., Khan A.H., Managing Health Treatment by Optimizing Complex Lab-Developed Test Configurations: A Health Informatics Perspective (2023) *Computers, Materials and Continua*, 75 (3), pp. 6251 - 6267. DOI: 10.32604/cmc.2023.037653, IF 3.1, @2023 [Линк](#) 1.000
1007. Kwa, H.L., Philippot, J. & Bouffanais, R. Effect of swarm density on collective tracking performance. *Swarm Intell* (2023). <https://doi.org/10.1007/s11721-023-00225-4>, IF 3.727, @2023 [Линк](#) 1.000

1008. Abdelkhalik A.M., Mohammed A., Attia M.A., Badra N., An Enhanced Genetic Algorithm Using Directional-Based Crossover and Normal Mutation for Global Optimization Problems (2024) Statistics, Optimization and Information Computing, 12 (2), pp. 446 - 462 DOI: 10.19139/soic-2310-5070-1796, @2024 [Линк](#) 1.000
81. Fidanova S., Pop P.. An Ant Algorithm for the Partitioned Graph Coloring Problem. Lecture Notes in Computer Science, 8962, Springer, 2015, ISBN:ISBN 978-3-319-15584, ISSN:ISSN 0302-9743, DOI:0.1007/978-3-319-15585-2, 78-84. SJR:0.339
Цитира се в:
 1009. Cheng, K., Song, Z., Yue, Y., Shan, F., Guo, X., Classifier selection method based on multiple diversity measures (2019) Proceedings of the IEEE International Conference on Software Engineering and Service Sciences, ICSESS, 2019-October, art. no. 9040785, pp. 47-53., @2019 [Линк](#) 1.000
 1010. Kheiri, A., Lewis, R., Thompson, J., Harper, P., Constructing operating theatre schedules using partitioned graph colouring techniques (2020) Health Systems, DOI: 10.1080/20476965.2020.1796530, @2020 [Линк](#) 1.000
 1011. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
82. Fidanova S., Mucherino A., Ganzha M.. Ant Colony Optimization with Environment Changes: An Application to GPS Surveying. FedCSIS'2015, EEE Xplorer, 2015, ISBN:ISBN 978-83-60810-66, ISSN:2300-5963, DOI:DOI 10.15439/2015F33, 495-500
Цитира се в:
 1012. Mercy, M.G., Kumari, A.K., Bhujangarao, A., Raju, V.N. Ant colony optimization algorithm GPS clustering approach (2021) Journal of Physics: Conference Series, 2040 (1), art. no. 012011, ., @2021 [Линк](#) 1.000
 1013. Ahmed A.A.M., Ahmed M.H., SahaS.K., Ahmed O., Satradhar S., Optimization algorithms as training approach with hybrid deep learning methods to develop an ultraviolet index forecasting model, Stochastic Environmental Research and Risk Assessment, Springer, ISSN 14363240, DOI 10.1007/s00477-022-02177-3, 2022, IF 3.379, @2022 [Линк](#) 1.000
 1014. Ahmed A.A.M., Deo R.C., Ghahramani A., Feng Q., Raj N., Yin Z., Yang L., New double decomposition deep learning methods for river water level forecasting (2022) Science of the Total Environment, 831, art. no. 154722, Cited 0 times. DOI: 10.1016/j.scitotenv.2022.154722 IF 7.963, @2022 [Линк](#) 1.000
 1015. Traneva V., Tranev S., Mavrov D., Intuitionistic Fuzzy Model of the Hungarian Algorithm for the Salesman Problem and Software Analysis of a Shipping Company Example, Proceedings of the of the 17th Conference on Computer Science and Intelligence Systems, ACSIS, Vol. 30, DOI: 10.15439/2022F189, SSN 2300-5963, pp. 383-386., @2022 [Линк](#) 1.000
 1016. Angelova S., Angelova M., Raikova R., Estimating Surface EMG Activity of Human Upper Arm Muscles Using InterCriteria Analysis (2024) Mathematical and Computational Applications, 29 (1), art. no. 8 DOI: 10.3390/mca29010008, @2024 [Линк](#) 1.000
 1017. Atanassov K., Bureva V., Four Operations over Extended Intuitionistic Fuzzy Index Matrices and Some of Their Applications (2021) Studies in Computational Intelligence, 902 SCI, pp. 27 - 39, DOI: 10.1007/978-3-030-55347-0_3, @2024 [Линк](#) 1.000
 1018. Traneva, V., Mavrov, D., Tranev, S. (2024). An Application of the Intuitionistic Fuzzy Approach to the Hungarian Algorithm for the Travelling Salesman Problem. In: Fidanova, S. (eds) Recent Advances in Computational Optimization. WCO 2022. Studies in Computational Intelligence, vol 1158. Springer, Cham. https://doi.org/10.1007/978-3-031-57320-0_12, @2024 [Линк](#) 1.000
83. Roeva O., Vassilev P., Fidanova S., Gepner P.. InterCriteria Analysis of a Model Parameters Identification Using Genetic Algorithm. FedCSIS'2015, EEE Xplorer, 2015, ISBN:978-83-60810-66-1, ISSN:2300-5963, DOI:10.15439/2015F233, 501-506
Цитира се в:
 1019. Ilkova, T. and Petrov, INTERCRITERIA ANALYSIS FOR MODELLING OF PROCESS FOR THE UNICELLULAR PROTEIN PRODUCTION FOR TRAINING PEOPLE, J. of Int. Scientific Publications: Materials, Methods & Technology, ISSN 1314-7269 , 2016, Vol. 10, 455 - 467., @2016 1.000
 1020. Ilkova, T. and Petrov, M., InterCriteria analysis for evaluation of the pollution of the Struma River in the Bulgarian section, Notes on Intuitionistic Fuzzy Sets, Vol. 22(3), ISSN 1310-4926, 2016, 120 - 130., @2016 1.000
 1021. Petrov M., T. Ilkova, InterCriteria Decision Analysis for Choice of Growth Rate Models of Batch Cultivation by Strain Kluyveromyces Marxianus Var. Lactis Mc 5, J. of Int. Scientific Publications: Materials, Methods & Technology, ISSN 1314-7269 , 2016, Vol. 10, 468-486., @2016 1.000
 1022. Pencheva, Tania, and Maria Angelova. "InterCriteria Analysis of Simple Genetic Algorithms Performance." Advanced Computing in Industrial Mathematics. Springer International Publishing, 2017. 147-159., @2017 [Линк](#) 1.000
 1023. Sotirova E, Bureva V, Markovska I, Sotirov S, Vankova D. Application of the InterCriteria Analysis Over Air Quality Data. InInternational Conference on Flexible Query Answering Systems , LNCS 10333, Springer, SJR 0.323, 2017, pp. 226-235.(SCOPUS), @2017 [Линк](#) 1.000
 1024. Бистра Юлиянова Захаријева, ИНТЕЛИГЕНТНИ МЕТОДИ ЗА АНАЛИЗ НА РЕХАБИЛИТАЦИОННИ ПРОЦЕСИ, PhD thesis, ИИСТ-BAS, Bulgaria, 2018 <http://www.iict.bas.bg/konkursi/2019/BZaharieva/disertacia-BZaharieva.pdf>, @2018 [Линк](#) 1.000
 1025. Angelova, M., InterCriteria analysis of control parameters relations in artificial bee colony algorithm (2019) WSEAS Transactions on Mathematics, 18, pp. 123-128., @2019 [Линк](#) 1.000
 1026. Angelova, M., Pencheva, T. InterCriteria analysis approach for comparison of simple and multi-population genetic algorithms performance (2019) Studies in Computational Intelligence, 795, pp. 117-130. (SCOPUS), @2019 [Линк](#) 1.000

1027. Antonov, A., Analysis and detection of the degrees and direction of correlations between key indicators of physical fitness of 10-12-year-old hockey players (2019) International Journal Bioautomation, 23 (3), pp. 303-314., @2019 [Линк](#) 1.000
1028. Desert J., Tchamova A., Deqian H., Tacnet J.M., Simplification of Multi-Criteria Decision-Making Using Inter-Criteria Analysis and Belief Functions, Proceedings of 22th Int. Conf. On Information Fusion, Ottawa, Canada, 2019, @2019 1.000
1029. Petrov M., nterCriteria Analysis for selection of specific growth rate models of batch cultivationby Saccharomyces cerevisiae yeast for ethanol production, Notes on Intuitionistic Fuzzy Sets Print ISSN 1310–4926, Online ISSN 2367–8283 Vol. 25, 2019, No. 2, 77–87 DOI: 0.7546/nifs.2019.25.2.77-87, @2019 [Линк](#) 1.000
1030. Shahpazov, Georgi Lazarov. "INTELLIGENT TECHNIQUES FOR ANALYSING FINANCING PROCESSES OF SMALL AND MEDIUM ENTERPRISES." PhD thesis, ICT BULGARIAN ACADEMY OF SCIENCES, 2019. <http://www.iict.bas.bg/konkursi/2019/GShahpazov/disertacia.pdf>, @2019 [Линк](#) 1.000
1031. Atanassov KT. Applications of IVIFSs. InInterval-Valued Intuitionistic Fuzzy Sets, Studies in Fuzziness and Soft Computing 388, 2020 (pp. 131-194). Springer, Cham., @2020 [Линк](#) 1.000
1032. Traneva, V., Tranev, S. and Atanassova, V., 2020. Index Matrices as a Cost Optimization Tool of Resource Provisioning in Uncertain Cloud Computing Environment. In Recent Advances in Computational Optimization (pp. 155-179). Springer, Cham., @2020 [Линк](#) 1.000
1033. Bureva, V., Traneva, V., Zoteva, D., Tranev, S., Generalized Net Model Simulation of Cluster Analysis Using CLIQUE: Clustering in Quest (2021) Studies in Computational Intelligence, 902 SCI, pp. 48-60., @2021 [Линк](#) 1.000
1034. Chorukova E., Marinov P., Umlenski I. (2021) Survey on Theory and Applications of InterCriteria Analysis Approach. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_20, @2021 [Линк](#) 1.000
1035. Petrov, M., Modeling and use of inter-criteria decision analysis for selecting growth rate models for batch cultivation of yeast kluyveromyces marxianus var. Lactis mc 5 (2021) Fermentation, 7 (3), art. no. 163, . IF 3.975, @2021 [Линк](#) 1.000
1036. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
1037. Michalikova, A. Some notes on intuitionistic fuzzy equivalence relations and their use on real data. Notes on Intuitionistic Fuzzy Sets Print ISSN 1310–4926, Online ISSN 2367–8283, 2022, Volume 28, Number 3, 306–318 DOI: 10.7546/nifs.2022.28.3.306-318, @2022 [Линк](#) 1.000
1038. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция "Информатика" Annual of "Informatics" Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000

2016

84. Fidanova S., Roeva O.. InterCriteria Analysis of Ant Colony Optimization Application to GPS Surveying Problems. Issues in Intuitionistic Fuzzy Sets and Generalized Nets, 12, 2016, 20-38

Цитирана се в:

1039. Atanassova, V., Doukovska, L., Michalikova, A. Radeva, I. (2016) InterCriteria analysis: From pairs to triples. Notes on Intuitionistic Fuzzy Sets. Vol. 22, 2016, No. 5, 98–110, @2016 1.000
1040. Sotirova E, Bureva V, Markovska I, Sotirov S, Vankova D. Application of the InterCriteria Analysis Over Air Quality Data. InInternational Conference on Flexible Query Answering Systems , LNCS 10333, Springer, SJR 0.323, 2017, pp. 226-235., @2017 [Линк](#) 1.000
1041. Бистра Юлиянова Захаријева, ИНТЕЛИГЕНТНИ МЕТОДИ ЗА АНАЛИЗ НА РЕХАБИЛИТАЦИОННИ ПРОЦЕСИ, PhD thesis, ICT-BAS, Bulgaria, 2018, @2018 [Линк](#) 1.000
1042. Doukovska, L., Atanassova, V., Sotirova, E., Vardeva, I., & Radeva, I. (2019). Defining Consonance Thresholds in InterCriteria Analysis: An Overview. In Intuitionistic Fuzziness and Other Intelligent Theories and Their Applications Studies of Computational Intelligence vol 757, (pp. 161-179). Springer, Cham., @2019 [Линк](#) 1.000
1043. Shahpazov, Georgi Lazarov. "INTELLIGENT TECHNIQUES FOR ANALYSING FINANCING PROCESSES OF SMALL AND MEDIUM ENTERPRISES." PhD thesis, ICT BULGARIAN ACADEMY OF SCIENCES, 2019., @2019 [Линк](#) 1.000
1044. Shrivastava, Kush, and Shishir Kumar. "The Effectiveness of Parameter Tuning on Ant Colony Optimization for Solving the Travelling Salesman Problem." In 2018 8th International Conference on Communication Systems and Network Technologies (CSNT), pp. 78-83. IEEE, 2019., @2019 [Линк](#) 1.000
1045. Sotirova E., Petrova Y., Bozov H., InterCriteria Analysis of oncological data of the patients for the city of Burgas, 96 Notes on Intuitionistic Fuzzy Sets Print ISSN 1310–4926, Online ISSN 2367–8283 Vol. 25, 2019, No. 2, 96–103 DOI: 10.7546/nifs.2019.25.2.96-103, @2019 [Линк](#) 1.000
1046. Sotirova, E., Vasilev, V., Bozova, G., Bozov, H., Sotirov, S., Application of the InterCriteria Analysis Method to a Dataset of Malignant Neoplasms of the Digestive Organs for the Burgas Region for 2014-2018 (2019) 2019 Big Data, Knowledge and Control Systems Engineering, BdkCSE 2019, art. no. 9010609, ., @2019 [Линк](#) 1.000
1047. Atanassov K., Bureva V. (2021) Four Operations over Extended Intuitionistic Fuzzy Index Matrices and Some of Their Applications. In: Dimov I., Fidanova S. (eds) Advances in High Performance Computing. HPC 2019. Studies in Computational Intelligence, vol 902. Springer, Cham., @2021 [Линк](#) 1.000

1048. Chorukova, E., Marinov, P., Umlenski, I., Survey on Theory and Applications of InterCriteria Analysis Approach, (2021) Studies in Computational Intelligence, 934, pp. 453-469. DOI: 10.1007/978-3-030-72284-5_20, @2021 [Линк](#) 1.000
 1049. Sotirova, E., Bozova, G., Bozov, H., Sotirov, S., Vasilev, V. (2021). Application of the InterCriteria Analysis Method to a Data of Malignant Melanoma Disease for the Burgas Region for 2014–2018. In: , et al. Advances and New Developments in Fuzzy Logic and Technology. IWIFSGN 2019 2019. Advances in Intelligent Systems and Computing, vol 1308. Springer, Cham. 166 – 174. https://doi.org/10.1007/978-3-030-77716-6_15, @2021 [Линк](#) 1.000
 1050. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция “Информатика” Annual of “Informatics” Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000
85. Roeva O., Vassilev P., **Fidanova S.**, Paprzycki M.. InterCriteria Analysis of Genetic Algorithms Performance. Studies in Computational Intelligence, 655, Springer, 2016, ISSN:1860-949X, 235-260. SJR:0.235

Цитира се в:

1051. Antonov, A., Analysis and detection of the degrees and direction of correlations between key indicators of physical fitness of 10-12-year-old hockey players (2019) International Journal Bioautomation, 23 (3), pp. 303-314., @2019 [Линк](#) 1.000
 1052. Bureva V., Andreev N., InterCriteria Analysis applied to data from Euro Health Consumer Index for comparing the healthcare systems' performance in time, Notes of Intuitionistic Fuzzy Sets, Vol. 25(4), 2019, 67-77, DOI:10.7546/nifs.2019.25.4.67-77, @2019 [Линк](#) 1.000
 1053. Sotirova E., Petrova Y., Bozov H., InterCriteria Analysis of oncological data of the patients for the city of Burgas, 96 Notes on Intuitionistic Fuzzy Sets Print ISSN 1310–4926, Online ISSN 2367–8283 Vol. 25, 2019, No. 2, 96–103 DOI: 10.7546/nifs.2019.25.2.96-103, @2019 [Линк](#) 1.000
 1054. Sotirova, E., Vasilev, V., Bozova, G., Bozov, H. and Sotirov, S., 2019, November. Application of the InterCriteria Analysis Method to a Dataset of Malignant Neoplasms of the Digestive Organs for the Burgas Region for 2014–2018. In 2019 Big Data, Knowledge and Control Systems Engineering (BdKCSE) (pp. 1-6). IEEE., @2019 [Линк](#) 1.000
 1055. Atanassov KT. Applications of IVIFSs. InInterval-Valued Intuitionistic Fuzzy Sets, Studies in Fuzziness and Soft Computing 388, 2020 (pp. 131-194). Springer, Cham., @2020 [Линк](#) 1.000
 1056. Bureva V. (2021) InterCriteria Analysis Applied to Emerging Europe and Central Asia University Rankings. In: Kahraman C., Cevik Onar S., Oztaysi B., Sari I., Cebi S., Tolga A. (eds) Intelligent and Fuzzy Techniques: Smart and Innovative Solutions. INFUS 2020. Advances in Intelligent Systems and Computing, vol 1197. Springer, Cham. 674-681., @2021 [Линк](#) 1.000
 1057. Chorukova E., Marinov P., Umlenski I. (2021) Survey on Theory and Applications of InterCriteria Analysis Approach. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_20, @2021 [Линк](#) 1.000
 1058. Sotirova, E., Bozova, G., Bozov, H., Sotirov, S., Vasilev, V. (2021). Application of the InterCriteria Analysis Method to a Data of Malignant Melanoma Disease for the Burgas Region for 2014–2018. In: , et al. Advances and New Developments in Fuzzy Logic and Technology. IWIFSGN 2019 2019. Advances in Intelligent Systems and Computing, vol 1308. Springer, Cham. 166 – 174. https://doi.org/10.1007/978-3-030-77716-6_15, @2021 [Линк](#) 1.000
 1059. Sotirova, E., Stoyanov, V., Sotirov, S., Mirincheva, Z., Bozov, H., Kostadinov, T. (2023). Application of the InterCriteria Analysis Approach to a Burnout Syndrome Data. In: Atanassov, K.T., et al. Uncertainty and Imprecision in Decision Making and Decision Support - New Advances, Challenges, and Perspectives. IWIFSGN BOS/SOR 2022 2022. Lecture Notes in Networks and Systems, vol 793. Springer, Cham., @2023 [Линк](#) 1.000
86. **Marinov P., Fidanova S.** INTERCRITERIA AND CORRELATION ANALYSES: SIMILARITIES, DIFFERENCES AND SIMULTANEOUS USE. Annual of “Informatics” Section Съюз на учените в България Union of Scientists in Bulgaria, 8, 2016, 45-53

Цитира се в:

1060. Sotirov, S., Sotirova, E., Atanassova, V., Atanassov, K., Castillo, O., Melin, P., Petkov, T. and Surchev, S., 2018. A Hybrid Approach for Modular Neural Network Design Using Intercriteria Analysis and Intuitionistic Fuzzy Logic. Complexity Vol. 2018, Article ID 3927951, 2018., @2018 [Линк](#) 1.000
 1061. Atanassov KT. Applications of IVIFSs. InInterval-Valued Intuitionistic Fuzzy Sets, Studies in Fuzziness and Soft Computing 388, 2020 (pp. 131-194). Springer, Cham., @2020 [Линк](#) 1.000
 1062. Traneva V, Tranev S, Atanassova V. Index Matrices as a Cost Optimization Tool of Resource Provisioning in Uncertain Cloud Computing Environment. InRecent Advances in Computational Optimization, Studies in Computational Intelligence838, 2020 (pp. 155-179). Springer, Cham., @2020 [Линк](#) 1.000
 1063. Atanassov K., Bureva V. (2021) Four Operations over Extended Intuitionistic Fuzzy Index Matrices and Some of Their Applications. In: Dimov I., Fidanova S. (eds) Advances in High Performance Computing. HPC 2019. Studies in Computational Intelligence, vol 902. Springer, Cham, @2021 [Линк](#) 1.000
87. Mucherino A., **Fidanova S.**, Ganzha M.. Introducing the Environment in Ant Colony Optimization. Studies in Computational Intelligence, 655, Springer, 2016, ISSN:1860-949X, 147-158. SJR:0.235

Цитира се в:

1064. Roeva O. Application of Artificial Bee Colony Algorithm for Model Parameter Identification. InInnovative Computing, Optimization and Its Applications, Studies of Computational Intelligence, 2018 (pp. 285-303). Springer, Cham. SJR 0.186. (SCOPUS), @2018 [Линк](#) 1.000

1065. Sotirova, Evdokia, Valentin Vasilev, Greta Bozova, Hristo Bozov, and Sotir Sotirov. "Application of the InterCriteria Analysis Method to a Dataset of Malignant Neoplasms of the Digestive Organs for the Burgas Region for 2014–2018." In 2019 Big Data, Knowledge and Control Systems Engineering (BdKCSE), pp. 1-6. IEEE, 2019, @2019 [Линк](#) 1.000
 1066. Sotirova, Evdokia, Yaroslava Petrova, and Hristo Bozov. "InterCriteria Analysis of oncological data of the patients for the city of Burgas." Notes on Intuitionistic Fuzzy Sets 25, no. 2 (2019): 96-103., @2019 1.000
 1067. Atanassov K., Bureva V. (2021) Four Operations over Extended Intuitionistic Fuzzy Index Matrices and Some of Their Applications. In: Dimov I., Fidanova S. (eds) Advances in High Performance Computing. HPC 2019. Studies in Computational Intelligence, vol 902. Springer, Cham, @2021 [Линк](#) 1.000
 1068. Sotirova, E., Bozova, G., Bozov, H., Sotirov, S., Vasilev, V. (2021). Application of the InterCriteria Analysis Method to a Data of Malignant Melanoma Disease for the Burgas Region for 2014–2018. In: , et al. Advances and New Developments in Fuzzy Logic and Technology. IWIFSGN 2019 2019. Advances in Intelligent Systems and Computing, vol 1308. Springer, Cham. 166 – 174. https://doi.org/10.1007/978-3-030-77716-6_15, @2021 [Линк](#) 1.000
 1069. Traneva V., Petrov P., Tranev S., An Elliptic Intuitionistic Fuzzy Portfolio Selection Problem based on Knapsack Problem, ACSIS, Vol. 37, pp. 329–336, 2023, DOI: 10.15439/2023F4882, @2023 [Линк](#) 1.000
 1070. Angelova S., Angelova M., Raikova R., Estimating Surface EMG Activity of Human Upper Arm Muscles Using InterCriteria Analysis, J. Math. and Comput. Applications, Vol. 29(1), 8, 2024. IF 1.9, @2024 [Линк](#) 1.000
88. **Fidanova S., Ilcheva Z.** Application of Ants Ideas on Image Edge Detection. Large Scale Scientific Computing. Lecture Notes in Computer Science, 9374, Springer, 2016, ISBN:978-3-319-26519-3, ISSN:0302-9743, DOI:10.007/978-3-319-26520-9, 218-225. SJR:0.252
- Цитупа се е:
1071. Azeroual, A., Afdel, K. Fast Image Edge Detection based on Faber Schauder Wavelet and Otsu Threshold (2017) Heliyon, 3 (12), art. no. e00485, .DOI: 10.1016/j.heliyon.2017.e00485 (SCOPUS), @2017 [Линк](#) 1.000
 1072. Бистра Юлиянова Захаријева, ИНТЕЛИГЕНТНИ МЕТОДИ ЗА АНАЛИЗ НА РЕХАБИЛИТАЦИОННИ ПРОЦЕСИ, PhD thesis, ИКТ-BAS, Bulgaria, 2018 <http://www.iict.bas.bg/konkursi/2019/BZaharieva/disertacia-BZaharieva.pdf>, @2018 [Линк](#) 1.000
 1073. Shahpazov, Georgi Lazarov. "INTELLIGENT TECHNIQUES FOR ANALYSING FINANCING PROCESSES OF SMALL AND MEDIUM ENTERPRISES." PhD thesis, ИКТ BULGARIAN ACADEMY OF SCIENCES, 2019., @2019 [Линк](#) 1.000
 1074. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
89. **Fidanova S., Marinov P.** The Impact of the Slope on Fire Spread Simulation. Environment Engineering and Management Journal, 15, 3, 2016, ISSN:1582-9596, 505-510. SJR (Scopus):0.345, JCR-IF (Web of Science):1.334
- Цитупа се е:
1075. Anezakis, V.D., Demertzis, K., Iliadis, L. and Spartalis, S., Hybrid intelligent modeling of wild fires risk. Springer, (2018) Evolving Systems, 9 (4), pp. 267-283. DOI: 10.1007/s12530-017-9196-6, ISSN: 18686478, @2017 [Линк](#) 1.000
 1076. Mitsopoulos, I.D., Dimitrakopoulos, A.P. Effect of fuel treatments on crown fire behavior in aleppo pine forests of Greece: A simulation study (2017) Environmental Engineering and Management Journal, 16 (7), pp. 1507-1514, IF 1.065. (SCOPUS), @2017 [Линк](#) 1.000
 1077. Wu Z., Wang B., Li M., Tian Y., Quan Y., Liu J., Simulation of forest fire spread based on artificial intelligence. (2022) Ecological Indicators, 136, art. no. 108653, DOI: 10.1016/j.ecolind.2022.108653, IF 4.598, @2022 [Линк](#) 1.000
90. Roeva O., **Fidanova S.**, Paprzycki M.. InterCriteria Analysis of ACO and GA Hybrid Algorithms. Studies in Computational Intelligence, 610, Springer, 2016, ISBN:978-3-319-21132-9, ISSN:1860-949X, DOI:10.1007/978-3-319-21132-9, 107-126. SJR:0.235
- Цитупа се е:
1078. Atanassova, V., Doukovska, L., Michalikova, A. Radeva, I. (2016) InterCriteria analysis: From pairs to triples. Notes on Intuitionistic Fuzzy Sets. Vol. 22, 2016, No. 5, 98–110, @2016 1.000
 1079. Ilkova, T. and Petrov, M., InterCriteria analysis for evaluation of the pollution of the Struma River in the Bulgarian section, Notes on Intuitionistic Fuzzy Sets, Vol. 22(3), ISSN 1310–4926, 2016, 120 – 130., @2016 1.000
 1080. Petrov M., T. Ilkova, InterCriteria Decision Analysis for Choice of Growth Rate Models of Batch Cultivation by Strain Kluyveromyces Marxianus Var. Lactis Mc 5, J. of Int. Scientific Publications: Materials, Methods & Technology, ISSN 1314-7269 , 2016, Vol. 10, 468-486., @2016 1.000
 1081. Sotirova E, Bureva V, Markovska I, Sotirov S, Vankova D. Application of the InterCriteria Analysis Over Air Quality Data. InInternational Conference on Flexible Query Answering Systems , LNCS 10333, Springer, SJR 0.323, 2017, pp. 226-235.(SCOPUS), @2017 [Линк](#) 1.000
 1082. Doukovska, L., Atanassova, V., Sotirova, E., Vardeva, I., Radeva, I. Defining consonance thresholds in interCriteria analysis: An overview (2019) Studies in Computational Intelligence, 757, pp. 161-179.(SCOPUS), @2018 [Линк](#) 1.000
 1083. Sotirov, S., Sotirova, E., Atanassova, V., Atanassov, K., Castillo, O., Melin, P., Petkov, T. and Surchev, S., 2018. A Hybrid Approach for Modular Neural Network Design Using InterCriteria Analysis and Intuitionistic Fuzzy Logic. Complexity Vol. 2018, Article ID 3927951, 2018. (SCOPUS), @2018 [Линк](#) 1.000
 1084. Бистра Юлиянова Захаријева, ИНТЕЛИГЕНТНИ МЕТОДИ ЗА АНАЛИЗ НА РЕХАБИЛИТАЦИОННИ ПРОЦЕСИ, PhD thesis, ИКТ-BAS, Bulgaria, 2018 <http://www.iict.bas.bg/konkursi/2019/BZaharieva/disertacia-BZaharieva.pdf>, @2018 [Линк](#) 1.000

1085. Desert J., Tchamova A., Deqian H., Tacnet J.M., Simplification of Multi-Criteria Decision-Making Using Inter-Criteria Analysis and Belief Functions, Proceedings of 22th Int. Conf. On Information Fusion, Ottawa, Canada, 2019, @2019 1.000
 1086. Kora, P., Abraham, A., Meenakshi, K. Heart disease detection using hybrid of bacterial foraging and particle swarm optimization (2019) Evolving Systems, ., @2019 [Линк](#) 1.000
 1087. Shahpazov, Georgi Lazarov. "INTELLIGENT TECHNIQUES FOR ANALYSING FINANCING PROCESSES OF SMALL AND MEDIUM ENTERPRISES." PhD thesis, ICT BULGARIAN ACADEMY OF SCIENCES, 2019. <http://www.iict.bas.bg/konkursi/2019/GShahpazov/disertacia.pdf>, @2019 [Линк](#) 1.000
 1088. Sotirova, E., Petrova, Y. and Bozov, H., 2019. InterCriteria Analysis of oncological data of the patients for the city of Burgas. Notes on Intuitionistic Fuzzy Sets, 25(2), pp.96-103., @2019 1.000
 1089. Sotirova, Evdokia, Valentin Vasilev, Greta Bozova, Hristo Bozov, and Sotir Sotirov. "Application of the InterCriteria Analysis Method to a Dataset of Malignant Neoplasms of the Digestive Organs for the Burgas Region for 2014–2018." In 2019 Big Data, Knowledge and Control Systems Engineering (BdKCSE), pp. 1-6. IEEE, 2019., @2019 [Линк](#) 1.000
 1090. Atanassov, Krassimir T. "Applications of IVIFSs." In Interval-Valued Intuitionistic Fuzzy Sets, Studies in Fuzziness and Soft Computing pp. 131-194. Springer, Cham, 2020., @2020 [Линк](#) 1.000
 1091. Traneva, V., Tranev, S. Intuitionistic fuzzy intercriteria approach to the assessment in a fast food restaurant (2020) Advances in Intelligent Systems and Computing, 1029, pp. 589-597., @2020 [Линк](#) 1.000
 1092. Atanassov K., Bureva V. (2021) Four Operations over Extended Intuitionistic Fuzzy Index Matrices and Some of Their Applications. In: Dimov I., Fidanova S. (eds) Advances in High Performance Computing. HPC 2019. Studies in Computational Intelligence, vol 902. Springer, Cham. https://doi.org/10.1007/978-3-030-55347-0_3, @2021 [Линк](#) 1.000
 1093. Bureva, V., Hasan, A., An Application of InterCriteria Analysis Over Intuitionistic Fuzzy Data (2021) Advances in Intelligent Systems and Computing, 1081 AISC, pp. 193-204., @2021 [Линк](#) 1.000
 1094. Chorukova E., Marinov P., Umlenski I. (2021) Survey on Theory and Applications of InterCriteria Analysis Approach. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_20, @2021 [Линк](#) 1.000
 1095. Ni, W., Xu, Z., Zou, J., Wan, Z., Zhao, X., Neural Network Optimal Routing Algorithm Based on Genetic Ant Colony in IPv6 Environment (2021) Computational Intelligence and Neuroscience, 2021, art. no. 3115704, . IF 3.633, @2021 [Линк](#) 1.000
 1096. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
 1097. Sotirova, E., Bozova, G., Bozov, H., Sotirov, S., Vasilev, V. (2021). Application of the InterCriteria Analysis Method to a Data of Malignant Melanoma Disease for the Burgas Region for 2014–2018. In: , et al. Advances and New Developments in Fuzzy Logic and Technology. IWIFSGN 2019 2019. Advances in Intelligent Systems and Computing, vol 1308. Springer, Cham. 166 – 174. https://doi.org/10.1007/978-3-030-77716-6_15, @2021 [Линк](#) 1.000
 1098. Traneva, V., Tranev, S., Optimization of an Oil Refinery Valuation System Through the Intuitionistic Fuzzy InterCriteria Analysis (2021) Advances in Intelligent Systems and Computing, 1197 AISC, pp. 1555-1563., @2021 [Линк](#) 1.000
 1099. Lalbakhsh, P. (2023). Ant colony optimisation metaheuristic for data analysis and decision support strategies (Doctoral dissertation, La Trobe), Teheran, Iran, @2023 [Линк](#) 1.000
 1100. Traneva, V., & Tranev, S. (2023). Multi-layered InterCriteria Analysis as a Digital Tool for Studying the Dependencies of Some Key Indicators of Mortality During the Pandemic in the European Union. In Intelligent Systems in Digital Transformation (pp. 267-293). Springer, Cham., @2023 [Линк](#) 1.000
 1101. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция "Информатика" Annual of "Informatics" Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000
91. Fidanova S.. Metaheuristic Method for Transport Modelling and Optimization. Studies in Computational Intelligence, 648, Springer, 2016, ISBN:978-3-319-32207-0, ISSN:1860-949X, 295-302. SJR:0.235
- Цитира се в:
1102. Jiamin Zhang, A review on route choice behavior and volume control of passengers in urban rail transit network, IOP Conference Series Materials Science and Engineering 677:042047, 2019, @2019 [Линк](#) 1.000
 1103. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
92. Fidanova S., Pop P.. An Improved Hybrid Ant-Local Search Algorithm for the Partition Graph Coloring Problem. Computational and Applied Mathematics, 293, Elsevier, 2016, ISSN:0377-0427, DOI:10.1016/j.cam.2015.04.030, 55-61. SJR:1.104, ISI IF:1.632
- Цитира се в:
1104. Andonovski, G., Angelov, P., Blažič, S. and Škrjanc, I., 2016. A practical implementation of Robust Evolving Cloud-based Controller with normalized data space for heat-exchanger plant. Applied Soft Computing 48, Elsevier, ISSN: 1568-4946, IF 2.857, 2016, pp. 29-38. WoS, @2016 1.000

1105. Dhoubi, S., Dhoubi, S. and Chabchoub, H., 2016. Enriched artificial bee colony metaheuristic for hierarchical goal programming engineering design problems. *International Journal of Metaheuristics*, 5(3-4), pp.173-192., @2016 [Линк](#) 1.000
1106. Kureichik Jr, Vladimir, Vladimir Kureichik, and Viktoria Bova. "Placement of VLSI Fragments Based on a Multilayered Approach." *Artificial Intelligence Perspectives in Intelligent Systems*, Vol. 464, Springer International Publishing, 2016. 181-190. (SCOPUS), @2016 1.000
1107. Zhou Y., Hao J.K., Duval B., Rein, Reinforcement learning based local search for grouping problems: A case study on graph coloring, *Expert Systems and Applications*, Vol 64, SJR 1.839, IF 2. 981, 2016, 412-422. (SCOPUS. Wos), @2016 1.000
1108. Haoran, Z., Yongtu, L., Qi, L., Yun, S. and Xiaohan, Y., 2017. A self-learning approach for optimal detailed scheduling of multi-product pipeline. *Journal of Computational and Applied Mathematics*, Vol 327(1), Elsevier, IF 1.357, 2018, 41-63..(WofS), @2017 [Линк](#) 1.000
1109. Jiaxu Ning, Qin Zhang, Changsheng Zhang, Bin Zhang, A best-path-updating information-guided ant colony optimization algorithm, *Information Sciences*, Volumes 433–434, April 2018, Pages 142-162, ISSN 0020-0255, <https://doi.org/10.1016/j.ins.2017.12.047>. IF 4.832(WoS), @2018 [Линк](#) 1.000
1110. Li, Y., Gong, G., Li, N. Recent advances in modelling and optimizing complex systems based on intelligent algorithms (2018) *International Journal of Industrial Engineering : Theory Applications and Practice*, 25, pp. 779-799. SJR 0.248, @2018 [Линк](#) 1.000
1111. Бистра Юлиянова Захаријева, ИНТЕЛИГЕНТНИ МЕТОДИ ЗА АНАЛИЗ НА РЕХАБИЛИТАЦИОННИ ПРОЦЕСИ, PhD thesis, ИКТ-BAS, Bulgaria, 2018, @2018 [Линк](#) 1.000
1112. Bandyopadhyay, A., Dhar, A., Basu, S., Graph coloring: a novel heuristic based on trailing path—properties, perspective and applications in structured networks (2019) *Soft Computing*, p 603-625., @2019 [Линк](#) 1.000
1113. Meraihi, Yassine, Amar Ramdane-Cherif, Mohammed Mahseur, and Dalila Achelia. "A Chaotic Binary Salp Swarm Algorithm for Solving the Graph Coloring Problem." In *International Symposium on Modelling and Implementation of Complex Systems*, pp. 106-118. Springer, Cham, 2018., @2019 [Линк](#) 1.000
1114. Shahpazov, Georgi Lazarov. "INTELLIGENT TECHNIQUES FOR ANALYSING FINANCING PROCESSES OF SMALL AND MEDIUM ENTERPRISES." PhD thesis, ИКТ BULGARIAN ACADEMY OF SCIENCES, 2019., @2019 [Линк](#) 1.000
1115. Shukla, A.N. and Garg, M.L., An approach to solve graph coloring problem using adjacency matrix. *An International Peer Reviewed Open Access Journal For Rapid Publication, Computer Science Communication, Bioscience Biotechnology Research Communications*, 12(2), ISSN: 0974-6455 (2019) p.472-477., @2019 [Линк](#) 1.000
1116. Shukla, A.N., Bharti, V., Garag, M.L., A linked list-based exact algorithm for graph coloring problem, (2019) *Revue d'Intelligence Artificielle*, 33 (3), pp. 189-195., @2019 [Линк](#) 1.000
1117. Shukla, A.N., Bharti, V., Garg, M.L., An algorithm based on heap of binary search tree to solve graph coloring problem (2019) *International Journal of Recent Technology and Engineering*, 8 (2), pp. 3920-3924., @2019 [Линк](#) 1.000
1118. Asyl Liyakat Hawa, Exact and Evolutionary Algorithms for the Score-Constrained Packing Problem, School of Mathematics Cardiff University, PhD Thesis. UK 2020, @2020 [Линк](#) 1.000
1119. Carrabs, F., Cerulli, R., D'Ambrosio, C., Laureana, F. The Generalized Minimum Branch Vertices Problem: Properties and Polyhedral Analysis, (2020) *Journal of Optimization Theory and Applications*, IF 1.388, @2020 [Линк](#) 1.000
1120. Mostafaie, T., Khiyabani, F. M., & Navimipour, N. J. (2020). A systematic study on meta-heuristic approaches for solving the graph coloring problem. *Computers & Operations Research*, 120, 104850. IF 3.002, @2020 [Линк](#) 1.000
1121. Zhao, R., Wang, Y., Liu, C., Hu, P., Jelodar, H., Rabbani, M., Li, H., Discrete selfish herd optimizer for solving graph coloring problem (2020) *Applied Intelligence*, 50 (5), pp. 1633-1656., @2020 [Линк](#) 1.000
1122. Zhu E., F. Jiang, C. Liu and J. Xu, "Partition Independent Set and Reduction-Based Approach for Partition Coloring Problem, " in *IEEE Transactions on Cybernetics*, doi: 10.1109/TCYB.2020.3025819. IF 11.079, @2020 [Линк](#) 1.000
1123. Carrabs, F., Cerulli, R., D'Ambrosio, C. et al. The Generalized Minimum Branch Vertices Problem: Properties and Polyhedral Analysis. *J Optim Theory Appl* 188, 356–377 (2021). <https://doi.org/10.1007/s10957-020-01783-x> IF 1.388, @2021 [Линк](#) 1.000
1124. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) *Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence*, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
1125. Şeker O., Tanoumand N., Bodur M., Digital Annealer for quadratic unconstrained binary optimization: A comparative performance analysis (2022) *Applied Soft Computing*, 127, art. no. 109367, Cited 0 times. DOI: 10.1016/j.asoc.2022.109367, IF 8.263, @2022 [Линк](#) 1.000
1126. Zhong L., Zhou Y., Zhou G., Luo Q., Enhanced discrete dragonfly algorithm for solving four-color map problems (2022) *Applied Intelligence*, DOI: 10.1007/s10489-022-03791-y IF5.019, @2022 [Линк](#) 1.000
1127. Crespi, C., Scollo, R.A., Fargetta, G., Pavone, M. (2023). A sensitivity analysis of parameters in an agent-based model for crowd simulations, *Applied Soft Computing*, vol. 146, <https://doi.org/10.1016/j.asoc.2023.110684>, IF 8.7, @2023 [Линк](#) 1.000
1128. Crespi, C., Scollo, R.A., Fargetta, G., Pavone, M. (2023). How a Different Ant Behavior Affects on the Performance of the Whole Colony. In: Di Gaspero, L., Festa, P., Nakib, A., Pavone, M. (eds) *Metaheuristics. MIC 2022. Lecture Notes in Computer Science*, vol 13838. Springer, Cham. https://doi.org/10.1007/978-3-031-26504-4_14, @2023 [Линк](#) 1.000
1129. Cavallaro C, Crespi C, Cutello V, Pavone M, Zito F. Group Dynamics in Memory-Enhanced Ant Colonies: The Influence of Colony Division on a Maze Navigation Problem. *Algorithms*. 2024; 17(2):63. IF 2.3, @2024 [Линк](#) 1.000

Цитирани са:

1130. Sotirova, E., Vasilev, V., Bozova, G., Bozov, H., Sotirov, S., Application of the InterCriteria Analysis Method to a Dataset of Malignant Neoplasms of the Digestive Organs for the Burgas Region for 2014-2018 (2019) 2019 Big Data, Knowledge and Control Systems Engineering, BdkCSE 2019, art. no. 9010609, , @2019 [Линк](#) 1.000
1131. Atanassov K., Bureva V. (2021) Four Operations over Extended Intuitionistic Fuzzy Index Matrices and Some of Their Applications. In: Dimov I., Fidanova S. (eds) Advances in High Performance Computing. HPC 2019. Studies in Computational Intelligence, vol 902. Springer, Cham., @2021 [Линк](#) 1.000
1132. Sotirova, E., Bozova, G., Bozov, H., Sotirov, S., Vasilev, V. (2021). Application of the InterCriteria Analysis Method to a Data of Malignant Melanoma Disease for the Burgas Region for 2014–2018. In: , et al. Advances and New Developments in Fuzzy Logic and Technology. IWIFSGN 2019 2019. Advances in Intelligent Systems and Computing, vol 1308. Springer, Cham. 166 – 174., @2021 [Линк](#) 1.000
94. Fidanova S., Roeva O., Mucherino A., Kapanova K.. InterCriteria Analysis of ANT Algorithm with Environment Change for GPS Surveying Problem. Lecture Notes in Artificial Intelligence, 9883, Springer, 2016, ISBN:978-3-319-44747-6, ISSN:0302-974, 271-278. SJR:0.272
- Цитирани са:
1133. Sotirova E, Bureva V, Markovska I, Sotirov S, Vankova D. Application of the InterCriteria Analysis Over Air Quality Data. InInternational Conference on Flexible Query Answering Systems , LNCS 10333, Springer, SJR 0.323, 2017, pp. 226-235. (SCOPUS), @2017 [Линк](#) 1.000
1134. Pagliari, Carmen, and Nicola Mattosio. "The Logistic Map: An AI Tool for Economists Investigating Complexity and Suggesting Policy Decisions." In International Symposium on Distributed Computing and Artificial Intelligence, pp. 18-27. Springer, Cham, 2018., @2018 [Линк](#) 1.000
1135. Sotirova, E., Petrova, Y. and Bozov, H., 2019. InterCriteria Analysis of oncological data of the patients for the city of Burgas. Notes on Intuitionistic Fuzzy Sets, 25(2), pp.96-103, @2019 1.000
1136. Sotirova, E., Vasilev, V., Bozova, G., Bozov, H., Sotirov, S., Application of the InterCriteria Analysis Method to a Dataset of Malignant Neoplasms of the Digestive Organs for the Burgas Region for 2014-2018 (2019) 2019 Big Data, Knowledge and Control Systems Engineering, BdkCSE 2019, art. no. 9010609, ., @2019 [Линк](#) 1.000
1137. Atanassov KT. Applications of IVIFSs. InInterval-Valued Intuitionistic Fuzzy Sets, Studies in Fuzziness and Soft Computing 388, 2020 (pp. 131-194). Springer, Cham., @2020 [Линк](#) 1.000
1138. Atanassov K., Bureva V. (2021) Four Operations over Extended Intuitionistic Fuzzy Index Matrices and Some of Their Applications. In: Dimov I., Fidanova S. (eds) Advances in High Performance Computing. HPC 2019. Studies in Computational Intelligence, vol 902. Springer, Cham., @2021 [Линк](#) 1.000
1139. Chorukova, E., Marinov, P., Umlenski, I., Survey on Theory and Applications of InterCriteria Analysis Approach, (2021) Studies in Computational Intelligence, 934, pp. 453-469. DOI: 10.1007/978-3-030-72284-5_2, @2021 [Линк](#) 1.000
1140. Jereva, D., Pencheva, T., Tsakovska, I., Alov, P., Pajeva, I., Exploring Applicability of the InterCriteria Analysis to Evaluate the Performance of MOE and GOLD Scoring Functions, Studies in Computational IntelligenceVolume 961 SCI, 2021, Pages 198-208, @2021 [Линк](#) 1.000
1141. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
1142. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция "Информатика" Annual of "Informatics" Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000
95. Fidanova S., Roeva O., Paprzycki M., Gepner P.. InterCriteria Analysis of ACO Start Startegies. IEEE Xplorer, 2016, ISBN:ISBN 978-83-60810-90, DOI:ISBN 978-83-60810-90-3, 547-550

Цитирани са:

1143. Sotirova E, Bureva V, Markovska I, Sotirov S, Vankova D. Application of the InterCriteria Analysis Over Air Quality Data. InInternational Conference on Flexible Query Answering Systems , LNCS 10333, Springer, SJR 0.323, 2017, pp. 226-235.(SCOPUS), @2017 [Линк](#) 1.000
1144. Antonov, A., Analysis and detection of the degrees and direction of correlations between key indicators of physical fitness of 10-12-year-old hockey players (2019) International Journal Bioautomation, 23 (3), pp. 303-314., @2019 [Линк](#) 1.000
1145. Sotirova E., Petrova Y., Bozov H., InterCriteria Analysis of oncological data of the patients for the city of Burgas, 96 Notes on Intuitionistic Fuzzy Sets Print ISSN 1310–4926, Online ISSN 2367–8283 Vol. 25, 2019, No. 2, 96–103 DOI: 10.7546/nifs.2019.25.2.96-103, @2019 [Линк](#) 1.000
1146. Sotirova, E., Vasilev, V., Bozova, G., Bozov, H., Sotirov, S., Application of the InterCriteria Analysis Method to a Dataset of Malignant Neoplasms of the Digestive Organs for the Burgas Region for 2014-2018 (2019) 2019 Big Data, Knowledge and Control Systems Engineering, BdkCSE 2019, art. no. 9010609, ., @2019 [Линк](#) 1.000
1147. Atanassov KT. Applications of IVIFSs. InInterval-Valued Intuitionistic Fuzzy Sets, Studies in Fuzziness and Soft Computing 388, 2020 (pp. 131-194). Springer, Cham., @2020 [Линк](#) 1.000
1148. Chorukova, E., Marinov, P., Umlenski, I., Survey on Theory and Applications of InterCriteria Analysis Approach, (2021) Studies in Computational Intelligence, 934, pp. 453-469. DOI: 10.1007/978-3-030-72284-5_2, @2021 [Линк](#) 1.000
1149. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000

1150. Sotirova, E., Bozova, G., Bozov, H., Sotirov, S., Vasilev, V. (2021). Application of the InterCriteria Analysis Method to a Data of Malignant Melanoma Disease for the Burgas Region for 2014–2018. In: , et al. Advances and New Developments in Fuzzy Logic and Technology. IWIFSGN 2019 2019. Advances in Intelligent Systems and Computing, vol 1308. Springer, Cham. 166 – 174., @2021 [Линк](#) 1.000
1151. Ignatova V., Todorova L. (2022) Computer-Based Rehabilitation of Cognitive Impairments in Patients with Multiple Sclerosis. In: Sotirov S.S., Pencheva T., Kacprzyk J., Atanassov K.T., Sotirova E., Staneva G. (eds) Contemporary Methods in Bioinformatics and Biomedicine and Their Applications. BioInfoMed 2020. Lecture Notes in Networks and Systems, vol 374. Springer, Cham. https://doi.org/10.1007/978-3-030-96638-6_4, @2022 [Линк](#) 1.000
1152. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция “Информатика” Annual of “Informatics” Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000

2017

96. George, S., Ganzha, M., Paprzycki, M., **Fidanova, S.**, Lirkov, I.. Building a Platform to Collect Crowdsensing Data: Preliminary Considerations. Applications of Mathematics in Technical and Natural Sciences, AMiTaN S 2017, 1895, American Institute of Physics, 2017, ISBN:978-0-7354-1579-9, ISSN:0094-243X, DOI:10.1063/1.5007406, 100002-1-100002-14. SJR (Scopus):0.165

Цитирана се е:

1153. M. Pouryazdan and B. Kantarci, "TA-CROCS: Trustworthiness-Aware Coalitional Recruitment of Crowd-Sensors, " 2018 IEEE Global Communications Conference (GLOBECOM), AHSN-I03, Abu Dhabi, United Arab Emirates, 2018, pp. 1-7. doi: 10.1109/GLOCOM.2018.8648026 (Scopus), @2019 [Линк](#) 1.000

97. Roeva O., **Fidanova S.** InterCriteria Analysis of Relations Between Model Parameter Estimations and ACO Performance. Studies in Computational Intelligence, 681, Springer, 2017, ISBN:978-3-319-49543-9, ISSN:1860-949X, DOI:https://doi.org/10.1007/978-3-319-49544-6_15, 175-186. SJR:0.235

Цитирана се е:

1154. Atanassov K.T. Applications of IVIFSs. InInterval-Valued Intuitionistic Fuzzy Sets, Studies in Fuzziness and Soft Computing 388, 2020 (pp. 131-194). Springer, Cham., @2020 [Линк](#) 1.000
1155. Chorukova, E., Marinov, P., Umlenski, I., Survey on Theory and Applications of InterCriteria Analysis Approach, (2021) Studies in Computational Intelligence, 934, pp. 453-469. DOI: 10.1007/978-3-030-72284-5_2, @2021 [Линк](#) 1.000
1156. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция “Информатика” Annual of “Informatics” Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000

98. **Fidanova S.**, Shindarov M., **Marinov P.** Wireless Sensor Positioning Using ACO Algorithm. Studies in Computational Intelligence, 657, Springer, 2017, ISBN:978-3-319-41437-9, ISSN:1860-949X, DOI:10.1007/978-3-319-41438-6_3, 33-44. SJR:0.187

Цитирана се е:

1157. Bureva, V., Traneva, V., Sotirova, E., Atanassov, K. Index matrices and olap-cube part 5: Index matrix operations over olap-cube (2020) Advanced Studies in Contemporary Mathematics (Kyungshang), 30 (1), pp. 69-88. DOI: 10.17777/ascm2020.30.1.69, ISSN: 12293067, @2020 [Линк](#) 1.000
1158. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, ISSN: 1860949X, @2021 [Линк](#) 1.000
1159. Jackman, P. (2022). You Got Data · · · Now What: Building the Right Solution for the Problem. In: Bochtis, D.D., Moshou, D.E., Vasileiadis, G., Balafoutis, A., Pardalos, P.M. (eds) Information and Communication Technologies for Agriculture—Theme II: Data. Springer Optimization and Its Applications, vol 183, pp. 3-16. Springer, Cham. https://doi.org/10.1007/978-3-030-84148-5_1, @2022 [Линк](#) 1.000
1160. Srinivasa Rao I.S., Rajalakshmi N.R., 6LoWPAN MAC layer parameters optimization using evolutionary algorithm based ANN topology in wireless body area networks (2023) Journal of Intelligent and Fuzzy Systems, 44 (5), pp. 8231 - 8255, DOI: 10.3233/JIFS-222956, IF 2, @2023 [Линк](#) 1.000

99. **Fidanova S.**, Luque G., Roeva O., Paprzycki M., Gepner P.. Ant Colony Optimization Algorithm for Workforce Planning. IEEE Xplore, IEEE catalog number CFP1585N-ART, IEEE, 2017, ISBN:978-83-946253-7-5, DOI:<http://dx.doi.org/10.15439/978-83-946253-7-5>, 415-419

Цитирана се е:

1161. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000

100. **Fidanova, S.**, Atanasov, K., **Dimov, I.** Generalized nets as a tool for modelling of railway networks. Studies in Computational Intelligence, 681, Springer Nature, 2017, ISSN:1860-949X; E-ISSN:1860-9503, 23-35. SJR:0.187

Цитирана се е:

1162. 1. Zoteva, D. and Krawczak, M., Generalized Nets as a Tool for the Modelling of Data Mining Processes. A Survey. Issues in Intuitionistic Fuzzy Sets, Vol 13, 2017, 1-60, @2017 1.000
1163. Huang, W., Li, Y., Kou, X., Wang, W., Xu, Y., Using a FMEA-TIFIAD Approach to Identify the Risk of Railway Dangerous Goods Transportation System (2020) Group Decision and Negotiation, . IF 1.62, @2020 [Линк](#) 1.000
1164. Zoteva D., Angelova N. (2021) Generalized Nets. An Overview of the Main Results and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_10, @2021 [Линк](#) 1.000

101. Fidanova S., Atanasov K.. Flying Ant Colony Optimization Algorithm for Combinatorial Optimization. Studia Informatica, 38, 4, Polish Information Society, 2017, ISSN:1642-0489, DOI:http://dx.doi.org/10.21936/si2017_v38.n4, 31-40

Цитирани са:

1165. Bousbaa, F.Z., Kerrache, C.A., Mahi, Z., Tahari, A.E.K., Lagraa, N., Yagoubi, M.B. 56224001600;56405671800;57211499642;57211254405;10241447900;57090347500; GeoUAVs: A new geocast routing protocol for fleet of UAVs (2020) Computer Communications, 149, pp. 259-269., @2020 [Линк](#) 1.000
1166. Cheriguene, Y., Djellikh, S., Bousbaa, F.Z., Lagraa, N., Lakas, A., Kerrache, C.A. and Tahari, A.E.K., 2020, September. SEMRP: an Energy-efficient Multicast Routing Protocol for UAV Swarms. In 2020 IEEE/ACM 24th International Symposium on Distributed Simulation and Real Time Applications (DS-RT) art. no. 9213700., @2020 [Линк](#) 1.000
1167. Dafina Zoteva, N. Angelova, Generalized Nets. An Overview of the Main Results and Applications, Studies in Computational Intelligence 943, 2021, 177-126., @2021 [Линк](#) 1.000
1168. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
1169. Cheriguene Y., Bousbaa F.Z., Kerrache C.A., Djellikh S., Lagraa N., Lahby M., Lakas A., COCOMA: a resource-optimized cooperative UAVs communication protocol for surveillance and monitoring applications (2022) Wireless Networks, DOI: 10.1007/s11276-022-03031-8, IF 2.701, @2022 [Линк](#) 1.000

2018

102. Fidanova S., Luque G., Roeva O., Paprzycki M., Gepner P.. Hybrid Ant Colony Optimization Algorithm for Workforce Planning. Annals of Computer Science and Information Systems,, 15, 2018, ISSN:2300-5963, DOI:<http://dx.doi.org/10.15439/2018F47>, 233-236

Цитирани са:

1170. Zhang, J.Email Author, Zhang, S.Email Author, Zhao, X.Email Author, Li, Q., An intelligent optimisation algorithm for vehicle path planning based on underground parking systems, Proceedings - 2020 International Conference on Intelligent Design, ICID 2020December 2020, Article number 9406608, Pages 103-106, @2020 [Линк](#) 1.000
1171. Kaur I, Tripathi V. A Novel Evolutionary Computation Method for Securing the Data in Wireless Networks. InCyber-Physical, IoT, and Autonomous Systems in Industry 4.0 2021 Dec 23 (pp. 371-388). CRC Press., @2021 [Линк](#) 1.000
1172. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
1173. Burgert F., Windhausen M., Kehder M., Steireif N., Mutze-Niewohner S., Nitch V., Workforce scheduling approaches for supporting human-centered algorithmic management in manufacturing: A systematic literature review and a conceptual optimization model, Procedia Computer Science, Vol. 232, 2024, 1573-15-83. <https://doi.org/10.1016/j.procs.2024.01.155>, @2024 [Линк](#) 1.000

103. Ismaili S., Fidanova S.. Applications of intuitionistic Fuzzy Sets on Agend Based Modeling. Proceedings of Bulgarian Academy of Sciences, 71, 6, Publishin house of Bulgarian Academy of Sciences, 2018, ISSN:1310-1331, DOI:10.7546/CRABS.2018.06.12, 812-819. SJR (Scopus):0.205, JCR-IF (Web of Science):0.251

Цитирани са:

1174. Stoykova, V. Logical connectives used in the first bulgarian school books in mathematics (2020) Studies in Computational Intelligence, 838, pp. 201-213., @2019 [Линк](#) 1.000

104. Evtimov G., Fidanova S.. Ant Colony optimization algorithm for 1D Cutting Stock Problem. Studies of Computational Intelligence, 728, Springer, 2018, ISBN:978-3-319-65529-1, ISSN:1860-949X, DOI:https://doi.org/10.1007/978-3-319-65530-7_3, 25-31. SJR (Scopus):0.187

Цитирани са:

1175. Koleva D, Barova M, Tomov P. 2D Optimal Packing with Population Based Algorithms. InInternational Conference on Large-Scale Scientific Computing 2017 Jun 5, Lecture Notes in Computer Science 10665, (pp. 366-373). Springer, Cham. (SCOPUS), @2018 [Линк](#) 1.000
1176. Wattanasiriset, P., and A. Krarit. "An Application of Cutting-Stock Problem in Green Manufacturing: A Case Study of Wooden Pallet Industry." In IOP Conference Series: Materials Science and Engineering, vol. 530, no. 1, p. 012005. IOP Publishing, 2019., @2019 [Линк](#) 1.000

1177. Ramos-Figueroa, O., Quiroz-Castellanos, M., Mezura-Montes, E. and Schütze, O., 2020. Metaheuristics to solve grouping problems: A review and a case study. *Swarm and Evolutionary Computation* Vol. 53, p.100643. IF. 7.177, @2020 [Линк](#) 1.000
1178. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) *Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence*, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
1179. Montiel-Arrieta, L. J., Barragán-Vite, I., Hernández-Romero, N., & González-Hernández, M. (2022). Algoritmo del Búfalo Africano para resolver el problema de corte unidimensional. *Pädi Boletín Científico de Ciencias Básicas e Ingenierías del ICBI*, 10(Especial2), 1-8., @2022 [Линк](#) 1.000
1180. Koksall O., Eroglu R., Ant Colony optimization algorithm for 1D Cutting Stock Problem, *Alphanumeric Journal*, Vol. 11(2), e-ISSN: 2148-2225, 2023, 125-136., @2023 [Линк](#) 1.000
1181. Montiel-Arrieta LJ, Barragan-Vite I, Seck-Tuoh-Mora JC, Hernandez-Romero N, González-Hernández M, Medina-Marin J. 2023. Minimizing the total waste in the one-dimensional cutting stock problem with the African buffalo optimization algorithm. *PeerJ Computer Science* 9:e1728 <https://doi.org/10.7717/peerj-cs.1728> IF 3.8, @2023 [Линк](#) 1.000
1182. Ren K., Jia L., Huang J., Wu M., Research on cutting stock optimization of rebar engineering based on building information modeling and an improved particle swarm optimization algorithm (2023) *Developments in the Built Environment*, 13, art. no. 100121, DOI: 10.1016/j.dibe.2023.100121, IF 5.563, @2023 [Линк](#) 1.000
1183. Montiel Arrieta, L. J. (2024). Implementación del algoritmo de optimización del búfalo africano en el problema de corte en una dimensión para minimizar el desperdicio de material. Universidad Autónoma del Estado de Hidalgo, Mexico, @2024 [Линк](#) 1.000
105. Ismaili S., Fidanova S.. Representation of Civilians and Police Officers by Generalized Nets for Describing Software Agents in the Case of Protest. *Studies of Computational Intelligence*, 728, Springer, 2018, ISBN:https://doi.org/10.1007/978-3-319-65530-7_7, ISSN:1860-949X, 71-78. SJR (Scopus):0.187
- Цитира се в:
1184. Zoteva D., Angelova N. (2021) Generalized Nets. An Overview of the Main Results and Applications. In: Atanassov K.T. (eds) *Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence*, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_10, @2021 [Линк](#) 1.000
106. Evtimov G., Fidanova S.. Heuristic algorithm for 2D cutting stock problem. *Lecture Notes in Computer Science*, 10665, Springer, 2018, 350-357. SJR (Scopus):0.31
- Цитира се в:
1185. Chris Rausch, Benjamin Sanchez, Carl Haas, Topology Optimization of Architectural Panels to Minimize Waste during Fabrication: Algorithms for Panel Unfolding and Nesting, *Journal of Construction Engineering and Management*, Volume 147 Issue 7, 2021, @2021 [Линк](#) 1.000
1186. Christopher Rausch (2021). Algorithms for Geometric Optimization and Enrichment in Industrialized Building Construction. UWSpace, PhD Thesis, Waterloo, Canada, @2021 [Линк](#) 1.000
1187. Yang Y., Li H., Zhang K., Jia X., Wang G., Liu B., A 3D nesting method based on the convex-concave coding similarity of the voxelized model for additive manufacturing, *Additive Manufacturing*, Volume 64, 103429, 2023, IF 11, 632, @2023 [Линк](#) 1.000
1188. Yang Y., Liu B., Li H., Li X., Wang G., Li S., A nesting optimization method based on digital contour similarity matching for additive manufacturing, *Journal of Intelligent Manufacturing*, Vol. 34(6), 2825-2847, 2023. DOI: 10.1007/s10845-022-01967-4, IF 6.485, @2023 [Линк](#) 1.000
1189. Yang Y., Liu B., Li X., Jia Q., Duan W., Wang G., Fidelity-adaptive evolutionary optimization algorithm for 2D irregular cutting and packing problem, *Journal of Intelligent Manufacturing*, Vol. 35(3), DOI: 10.1007/s10845-024-02329-y, 2024, IF 8.22, @2024 [Линк](#) 1.000
107. Fidanova S., Roeva O., Atanassova V.. Ant Colony Optimization Application to GPS Surveying Problems: InterCriteria Analysis. *Advances in Intelligent Systems and Computing*, 559, Springer, 2018, ISBN:978-3-319-65544-4, ISSN:2194-5357, DOI:https://doi.org/10.1007/978-3-319-65545-1_23, 251-264. SJR (Scopus):0.4
- Цитира се в:
1190. Sotirova, E., Petrova, Y., & Bozov, H. (2019). InterCriteria Analysis of oncological data of the patients for the city of Burgas. *Notes on Intuitionistic Fuzzy Sets*, 25(2), 96-103., @2019 [Линк](#) 1.000
1191. Sotirova, E., Vasilev, V., Bozova, G., Bozov, H., Sotirov, S., Application of the InterCriteria Analysis Method to a Dataset of Malignant Neoplasms of the Digestive Organs for the Burgas Region for 2014-2018 (2019) 2019 Big Data, Knowledge and Control Systems Engineering, *BdKCSE 2019*, art. no. 9010609, ., @2019 [Линк](#) 1.000
1192. Traneva, V., Tranev, S., & Atanassova, V. (2020). Index Matrices as a Cost Optimization Tool of Resource Provisioning in Uncertain Cloud Computing Environment. In *Recent Advances in Computational Optimization* (pp. 155-179). Springer, Cham, @2020 [Линк](#) 1.000
1193. Atanassov K., Bureva V. (2021) Four Operations over Extended Intuitionistic Fuzzy Index Matrices and Some of Their Applications. In: Dimov I., Fidanova S. (eds) *Advances in High Performance Computing. HPC 2019. Studies in Computational Intelligence*, vol 902. Springer, Cham., @2021 [Линк](#) 1.000
1194. Chorukova, E., Marinov, P., Umlenski, I., Survey on Theory and Applications of InterCriteria Analysis Approach, (2021) *Studies in Computational Intelligence*, 934, pp. 453-469. DOI: 10.1007/978-3-030-72284-5_2, @2021 [Линк](#) 1.000

1195. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
 1196. Sotirova, E., Bozova, G., Bozov, H., Sotirov, S., Vasilev, V. (2021). Application of the InterCriteria Analysis Method to a Data of Malignant Melanoma Disease for the Burgas Region for 2014–2018. In: , et al. Advances and New Developments in Fuzzy Logic and Technology. IWIFSGN 2019 2019. Advances in Intelligent Systems and Computing, vol 1308. Springer, Cham. 166 – 174. https://doi.org/10.1007/978-3-030-77716-6_15, @2021 [Линк](#) 1.000
 1197. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция “Информатика” Annual of “Informatics” Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000
108. Fijałkowski J., Ganzha M., Paprzycki M., **Fidanova S.**, Lirkov I., Badica C., Ivanovic M.. Mining Smartphone Generated Data for User Action Recognition – Preliminary Assessment. Applications of Mathematics in Technical and Natural Sciences, AMiTANS 2018, 2025, American Institute of Physics, 2018, ISBN:978-0-7354-1745-8, ISSN:0094-243X, DOI:10.1063/1.5064928, 090001-1-090001-18. SJR (Scopus):0.182
- Цитупа се е:
1198. Koprinkova-Hristova P. (2021) Research on Artificial Neural Networks in Bulgarian Academy of Sciences. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_14, @2021 [Линк](#) 1.000
109. Szczekutek R., Ganzha M., Paprzycki M., **Fidanova S.**, Lirkov I., Badica C., Ivanovic M.. System for semantic technology-based access management in a port terminal. Applications of Mathematics in Technical and Natural Sciences, AMiTANS 2018, 2025, American Institute of Physics, 2018, ISBN:978-0-7354-1745-8, ISSN:0094-243X, DOI:10.1063/1.5064929, 090002-1-090002-17. SJR (Scopus):0.182
- Цитупа се е:
1199. Arshad H., Johansen C., Owe O., Semantic Attribute-Based Access Control: A review on current status and future perspectives (2022) Journal of Systems Architecture, 129, art. no. 102625, DOI: 10.1016/j.sysarc.2022.102625, IF 5.836, @2022 [Линк](#) 1.000
 1200. Lamri M., Issues applicatives de l'Internet des Objets(IoT) au bien être de l'être humain, PhD thesis, Université Bordj Bou Arréridj, Algeria, 2023, @2023 [Линк](#) 1.000
110. Roeva O., **Fidanova S.**, Paprzycki M.. Comparison of Different ACO Start Strategies Based on InterCriteria Analysis. Recent Advances in Computational Optimization, Results of the Workshop on Computational Optimization WCO 2016, Studies of Computational optimization, 717, Springer, 2018, ISBN:978-3-319-59860-4, 53-72. SJR (Scopus):0.187
- Цитупа се е:
1201. Atanasov K, Marinov P, Atanasova V. InterCriteria Analysis with Interval-Valued Intuitionistic Fuzzy Evaluations, Flexible Query Answering Systems, Lecture Notes in Computer Science 11529, 2019 (pp. 329-338). Springer, Cham., @2019 [Линк](#) 1.000
 1202. Mansour, Imen Ben, Ines Alaya, and Moncef Tagina. "A gradual weight-based ant colony approach for solving the multiobjective multidimensional knapsack problem." Evolutionary Intelligence 12.2 (2019): 253-272., @2019 [Линк](#) 1.000
 1203. Sotirova E., Petrova Y., Bozov H., InterCriteria Analysis of oncological data of the patients for the city of Burgas, 96 Notes on Intuitionistic Fuzzy Sets Print ISSN 1310–4926, Online ISSN 2367–8283 Vol. 25, 2019, No. 2, 96–103 DOI: 10.7546/nifs.2019.25.2.96-103, @2019 [Линк](#) 1.000
 1204. Sotirova, E., Vasilev, V., Bozova, G., Bozov, H. and Sotirov, S., 2019, November. Application of the InterCriteria Analysis Method to a Dataset of Malignant Neoplasms of the Digestive Organs for the Burgas Region for 2014–2018. In 2019 Big Data, Knowledge and Control Systems Engineering (BdKCSE) (pp. 1-6). IEEE., @2019 [Линк](#) 1.000
 1205. Atanasov, Krassimir T. "Applications of IVIFSs." Interval-Valued Intuitionistic Fuzzy Sets. Springer, Cham, 2020. 131-194., @2020 [Линк](#) 1.000
 1206. Mello-Roman, J.D., Hernandez, A., KPLS optimization with nature-inspired metaheuristic algorithms (2020) IEEE Access, 8, art. no. 9178802, pp. 157482-157492. IF 3.74, @2020 [Линк](#) 1.000
 1207. Chorukova E., Marinov P., Umlenski I. (2021) Survey on Theory and Applications of InterCriteria Analysis Approach. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_20, @2021 [Линк](#) 1.000
 1208. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
 1209. Sotirova, E., Bozova, G., Bozov, H., Sotirov, S., Vasilev, V. (2021). Application of the InterCriteria Analysis Method to a Data of Malignant Melanoma Disease for the Burgas Region for 2014–2018. In: , et al. Advances and New Developments in Fuzzy Logic and Technology. IWIFSGN 2019 2019. Advances in Intelligent Systems and Computing, vol 1308. Springer, Cham. 166 – 174. https://doi.org/10.1007/978-3-030-77716-6_15, @2021 [Линк](#) 1.000
 1210. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция “Информатика” Annual of “Informatics” Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000
111. **Fidanova S.**, Roeva O.. Influence of Ant Colony Optimization Parameters on the Algorithm Performance. Lecture Notes in Computer Science, 10665, Springer, 2018, 358-365. SJR (Scopus):0.31

Сумара се е:

1211. Evdokimov, I.V., Tsarev, R.Y., Yamskikh, T.N., Pupkov, A.N., Aspects of applying the method of coordinate descent for the shepherd dog bio-inspired algorithm (2018) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18 (2.1), pp. 157-164., @2018 [Линк](#) 1.000
 1212. Sun, L., Kong, X., Xu, J., Xue, Z., Zhai, R., Zhang, S. A Hybrid Gene Selection Method Based on ReliefF and Ant Colony Optimization Algorithm for Tumor Classification (2019) Scientific Reports, 9 (1), art. no. 8978, ., @2019 [Линк](#) 1.000
 1213. Videv, T., Bozveliev, B. and Sotirov, S., Modelling of Smart Home Cyber System with Intuitionistic Fuzzy Estimation. Information and Security, Vol 43(1), 2019, @2019 [Линк](#) 1.000
 1214. Videv, T., Sotirov, S., Bozveliev, B., Generalized Net Model of the Network for Automatic Turning and Setting the Lighting in the Room with Intuitionistic Fuzzy Estimations, (2020) Studies in Computational Intelligence, 862, pp. 83-90., @2020 [Линк](#) 1.000
 1215. Ribagin S., Lyubanova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
 1216. Drag, P., An α -Model Parametrization Algorithm for Optimization with Differential-Algebraic Equations (2022) Applied Sciences (Switzerland), 12 (2), art. no. 890, . IF 2.679, @2022 [Линк](#) 1.000
112. Roeva O., **Fidanova S.** Comparison of Different Metaheuristic Algorithms based on InterCriteria Analysis. Computational and Applied Mathematics, 340, Elsevier, 2018, ISSN:0377-0427, DOI:<https://doi.org/10.1016/j.cam.2017.07.028>, 615-628. ISI IF:1.632
- Сумара се е:
1217. Atanasov, K., Marinov, P., Atanasova, V. InterCriteria Analysis with Interval-Valued Intuitionistic Fuzzy Evaluations (2019) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 11529 LNAI, pp. 329-338., @2019 [Линк](#) 1.000
 1218. Bureva V., Andreev N., InterCriteria Analysis applied to data from Euro Health Consumer Index for comparing the healthcare systems' performance in time, Notes of Intuitionistic Fuzzy Sets, Vol. 25(4), 2019, 67-77, DOI:10.7546/nifs.2019.25.4.67-77, @2019 [Линк](#) 1.000
 1219. Sotirova E., Petrova Y., Bozov H., InterCriteria Analysis of oncological data of the patients for the city of Burgas, 96 Notes on Intuitionistic Fuzzy Sets Print ISSN 1310–4926, Online ISSN 2367–8283 Vol. 25, 2019, No. 2, 96–103 DOI: 10.7546/nifs.2019.25.2.96-103, @2019 [Линк](#) 1.000
 1220. Sotirova, E., Vasilev, V., Bozova, G., Bozov, H., Sotirov, S., Application of the InterCriteria Analysis Method to a Dataset of Malignant Neoplasms of the Digestive Organs for the Burgas Region for 2014-2018 (2019) 2019 Big Data, Knowledge and Control Systems Engineering, BdkCSE 2019, art. no. 9010609, ., @2019 [Линк](#) 1.000
 1221. Atanasov, K. T. (2020). Applications of IVIFSs. In Interval-Valued Intuitionistic Fuzzy Sets (pp. 131-194). Springer, Cham., @2020 [Линк](#) 1.000
 1222. Bharanidharan, N., Harikumar, R., Modified Grey Wolf Randomized Optimization in Dementia Classification Using MRI Images, (2020) IETE Journal of Research, ., @2020 [Линк](#) 1.000
 1223. Bharanidharan, N., Rajaguru, H. Improved chicken swarm optimization to classify dementia MRI images using a novel controlled randomness optimization algorithm (2020) International Journal of Imaging Systems and Technology., @2020 [Линк](#) 1.000
 1224. J. D. Mello-Román and A. Hernández, "KPLS Optimization With Nature-Inspired Metaheuristic Algorithms, " in IEEE Access, vol. 8, pp. 157482-157492, 2020, doi: 10.1109/ACCESS.2020.3019771., @2020 [Линк](#) 1.000
 1225. Traneva, Velichka, and Stoyan Tranev. "A multidimensional intuitionistic fuzzy InterCriteria analysis in the restaurant." Journal of Intelligent & Fuzzy Systems Preprint: 1-18.DOI: 10.3233/JIFS-189079, @2020 [Линк](#) 1.000
 1226. Yang, B., Wang, J., Yu, L., Shu, H., Yu, T., Zhang, X., ... & Sun, L. (2020). A critical survey on proton exchange membrane fuel cell parameter estimation using meta-heuristic algorithms. Journal of Cleaner Production, 121660. IF 6.39, @2020 [Линк](#) 1.000
 1227. Yang, B., Wang, J., Zhang, M., Shu, H., Yu, T., Zhang, X., Yao, W., Sun, L., A state-of-the-art survey of solid oxide fuel cell parameter identification: Modelling, methodology, and perspectives (2020) Energy Conversion and Management, 213, art. no. 112856, . IF 7.181, @2020 [Линк](#) 1.000
 1228. Yang, B., Wang, J., Zhang, X., Yu, T., Yao, W., Shu, H., ... & Sun, L. (2020). Comprehensive overview of meta-heuristic algorithm applications on PV cell parameter identification. Energy Conversion and Management, 208, 112595. IF 7.181, @2020 [Линк](#) 1.000
 1229. Atanasov K., Bureva V. (2021) Four Operations over Extended Intuitionistic Fuzzy Index Matrices and Some of Their Applications. In: Dimov I., Fidanova S. (eds) Advances in High Performance Computing. HPC 2019. Studies in Computational Intelligence, vol 902. Springer, Cham. https://doi.org/10.1007/978-3-030-55347-0_3, @2021 [Линк](#) 1.000
 1230. Chorukova, E., Marinov, P., Umlenski, I., Survey on Theory and Applications of InterCriteria Analysis Approach, (2021) Studies in Computational Intelligence, 934, pp. 453-469. DOI: 10.1007/978-3-030-72284-5_2, @2021 [Линк](#) 1.000
 1231. Jekova, I, Vassilev, P., Stoyanov, T., Pencheva, T., InterCriteria analysis: Application for ecg data analysis, MathematicsOpen AccessVolume 9, Issue 8, 2 April 2021, Article number 854, IF 1.747, @2021 [Линк](#) 1.000
 1232. Ky Phuc PN, Phuong Thao NL. Ant colony optimization for multiple pickup and multiple delivery vehicle routing problem with time window and heterogeneous fleets. Logistics. 2021 Jun;5(2):28., @2021 [Линк](#) 1.000
 1233. Li, B., Chen, H., Tan, T., PV Cell Parameter Extraction Using Data Prediction–Based Meta-Heuristic Algorithm via Extreme Learning Machine (2021) Frontiers in Energy Research, 9, art. no. 693252, . IF 2.746, @2021 [Линк](#) 1.000

1234. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science 1.000 in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#)
1235. Sotirova, E., Bozova, G., Bozov, H., Sotirov, S., Vasilev, V. (2021). Application of the InterCriteria Analysis Method to a Data of Malignant Melanoma Disease for the Burgas Region for 2014–2018. In: , et al. Advances and New Developments in Fuzzy Logic and Technology. IWIFSGN 2019 2019. Advances in Intelligent Systems and Computing, vol 1308. Springer, Cham. 166 – 174. https://doi.org/10.1007/978-3-030-77716-6_15, @2021 [Линк](#)
1236. Sun, L.a, Wang, J.b, Tang, LA Powerful Bio-Inspired Optimization Algorithm Based PV Cells Diode Models Parameter Estimation, Frontiers in Energy Research, Volume 9, 28 April 2021, Article number 675925, @2021 [Линк](#)
1237. Wang, L., Chen, Z., Guo, Y., Hu, W., Chang, X., Wu, P., Han, C., Li, J., Accurate Solar Cell Modeling via Genetic Neural Network-Based Meta-Heuristic Algorithms (2021) Frontiers in Energy Research, 9, art. no. 696204, IF 2.746, @2021 [Линк](#)
1238. Xu, Y., Lei, Y., Xu, C., Chen, Y., Tan, Q., Ye, S., Li, J., Huang, W., Multi-objective optimization of a solid oxide fuel cell-based integrated system to select the optimal closed thermodynamic cycle and heat coupling scheme simultaneously, (2021) International Journal of Hydrogen Energy, Vol 46(62), pp. 31828-31853. IF 5.816, @2021 [Линк](#)
1239. Ayanlade, S. O., Ogunwole, E. I., Jimoh, A., Ezekiel, S. O., Owolabi, D. E., & Jimoh, A. B. (2022, November). STATCOM Allocation Using Firefly Algorithm for Loss Minimization and Voltage Profile Enhancement. In 2022 International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME) (pp. 1-6). IEEE Xplore: 30 December 2022, DOI: 10.1109/ICECCME55909.2022.9988475, @2022 [Линк](#)
1240. Bharanidharan, N., & Hari Kumar, R. (2022). Modified grey wolf randomized optimization in dementia classification using MRI images. IETE Journal of Research, 68(4), 2531-2540., @2022 [Линк](#)
1241. Bouaouda, A., Afdel, K., Abounacer, R., Forecasting the Energy Consumption of Cloud Data Centers Based on Container Placement with Ant Colony Optimization and Bin Packing (2022) 5th Conference on Cloud and Internet of Things, CloT 2022, pp. 150 - 157, Cited 0 times. DOI: 10.1109/CloT53061.2022.9766522, @2022 [Линк](#)
1242. Ignatova V., Todorova L. (2022) Computer-Based Rehabilitation of Cognitive Impairments in Patients with Multiple Sclerosis. In: Sotirov S.S., Pencheva T., Kacprzyk J., Atanasov K.T., Sotirova E., Staneva G. (eds) Contemporary Methods in Bioinformatics and Biomedicine and Their Applications. BioInfoMed 2020. Lecture Notes in Networks and Systems, vol 374. Springer, Cham. https://doi.org/10.1007/978-3-030-96638-6_4, @2022 [Линк](#)
1243. Jereva D, Alov P, Tsakovska I, Angelova M, Atanasova V, Vassilev P, Ikonov N, Atanasov K, Pajeva I, Pencheva T. Application of InterCriteria Analysis to Assess the Performance of Scoring Functions in Molecular Docking Software Packages. Mathematics. 2022; 10(15):2549. , <https://doi.org/10.3390/math10152549> IF 2.592, @2022 [Линк](#)
1244. Jereva D., Angelova M., Tsakovska I., Alov P., Pajeva I., Miteva M., Pencheva T., An Application of InterCriteria Analysis Approach to Assess the AMMOS Software Platform Outcomes (2022) Biomath, 11 (1), art. no. 2203068, DOI: 10.55630/j.biomath.2022.03.068, @2022 [Линк](#)
1245. Jereva D., Angelova, M., Tsakovska, I., Alov, P., Pajeva, I., Miteva, M., Pencheva, T., InterCriteria Analysis Approach for Decision-Making in Virtual Screening: Comparative Study of Various Scoring Functions. In: Sotirov S.S., Pencheva T., Kacprzyk J., Atanasov K.T., Sotirova E., Staneva G. (eds) Contemporary Methods in Bioinformatics and Biomedicine and Their Applications. BioInfoMed 2020. Lecture Notes in Networks and Systems, (2022) vol 374. Springer, Cham. https://doi.org/10.1007/978-3-030-96638-6_8, @2022 [Линк](#)
1246. Lei Y., Ye S., Xu Y., Kong C., Xu C., Chen Y., Huang W., Xiao H., Multi-objective optimization and algorithm improvement on thermal coupling of SOFC-GT-ORC integrated system (2022) Computers and Chemical Engineering, 164, art. no. 107903, DOI: 10.1016/j.compchemeng.2022.107903, IF 4.13, @2022 [Линк](#)
1247. Alov, P., Pajeva, I., Tsakovska, I., Pencheva, T. (2023). Comparison of Docking Scoring Functions by InterCriteria Analysis on a Set of Protein Targets Related to Alzheimer and Parkinson Diseases. In: Sotirov, S., Pencheva, T., Kacprzyk, J., Atanasov, K.T., Sotirova, E., Ribagin, S. (eds) Recent Contributions to Bioinformatics and Biomedical Sciences and Engineering. BioInfoMed 2022. Lecture Notes in Networks and Systems, vol 658. Springer, Cham. https://doi.org/10.1007/978-3-031-31069-0_11, @2023 [Линк](#)
1248. Hayward L., Engelbrecht A., How to Tell a Fish from a Bee: Constructing Meta-Heuristic Search Behaviour Characteristics, GECCO '23 Companion: Proceedings of the Companion Conference on Genetic and Evolutionary Computation July 2023 Pages 1562–1569 <https://doi.org/10.1145/3583133.3596338>, @2023 [Линк](#)
1249. Traneva V., Tranev S., Multi-layered InterCriteria Analysis as a Digital Tool for Studying the Dependencies of Some Key Indicators of Mortality During the Pandemic in the European Union (2023) Lecture Notes in Networks and Systems, 549, pp. 267 - 293, DOI: 10.1007/978-3-031-16598-6_12, @2023 [Линк](#)
1250. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция “Информатика” Annual of “Informatics” Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#)

2019

113. Fidanova S., Roeva O.. InterCriteria Analyzis of Differen Variants of ACO algorithm for Wireless Sensor Network Positioning. Lecture Notes in Computer Science, 11189, Springer, 2019, 88-96. SJR (Scopus):0.295 (x)

Цитира се в:

1251. Sotirova E., Petrova Y., Bozov H., InterCriteria Analysis of oncological data of the patients for the city of Burgas, 96 Notes on Intuitionistic Fuzzy Sets Print ISSN 1310–4926, Online ISSN 2367–8283 Vol. 25, 2019, No. 2, 96–103 DOI: 10.7546/nifs.2019.25.2.96-103, @2019 [Линк](#)

1252. Videv, T., Bozveliev, B. and Sotirov, S., Modelling of Smart Home Cyber System with Intuitionistic Fuzzy Estimation. Information and Security, Vol 43(1), 2019, @2019 [Линк](#) 1.000
1253. Videv, T., Sotirov, S., Bozveliev, B., Generalized Net Model of the Network for Automatic Turning and Setting the Lighting in the Room with Intuitionistic Fuzzy Estimations, (2020) Studies in Computational Intelligence, 862, pp. 83-90., @2019 [Линк](#) 1.000
1254. Atanassov, Krassimir T. "Applications of IVIFSs." In Interval-Valued Intuitionistic Fuzzy Sets, pp. 131-194. Springer, Cham, 2020., @2020 [Линк](#) 1.000
1255. Chorukova, E., Marinov, P., Umlenski, I., Survey on Theory and Applications of InterCriteria Analysis Approach, (2021) Studies in Computational Intelligence, 934, pp. 453-469. DOI: 10.1007/978-3-030-72284-5_20, @2021 [Линк](#) 1.000
1256. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция "Информатика" Annual of "Informatics" Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000
114. Myasnichenko V., Sdobnyakov N., Kirilov L., Mikhov R., Fidanova S.. Monte-Carlo Approach for Optimizing of Metal Nanowires and Nanoalloys Structure. Lecture Notes in Computer Science, 11189, Springer, 2019, ISBN:978-303010691-1, ISSN:03029743, DOI:10.1007/978-3-030-10692-8_15, 133-141. SJR (Scopus):0.295

Цитирана се в:

1257. Todorov, V., I. Dimov, Yu Dimitrov, Tz Ostromsky, and R. Georgieva. "A comparison of quasi-Monte Carlo methods based on Faure and Sobol sequences for multidimensional integrals in air pollution modeling." In AIP Conference Proceedings, vol. 2164, no. 1, p. 030002. AIP Publishing, 2019., @2019 [Линк](#) 1.000
1258. Плотников, М. Ю., and Е. В. Шкарупа. "Двухступенчатая модель гетерогенных реакций диссоциации-рекомбинации водорода в методе ПСМ." In Тезисы Международной конференции «АПВПМ», no. 2019. Федеральное государственное бюджетное учреждение науки «Институт вычислительной математики и математической геофизики» Сибирского Отделения Российской академии наук, 2019., @2019 [Линк](#) 1.000
1259. Тамразян, Ашот Георгиевич, and Анатолий Викторович Алексейцев. "Современные методы оптимизации конструктивных решений для несущих систем зданий и сооружений." Вестник МГСУ 15.1 (2020), 12 - 30. Tamrazyan, Ashot G., and Anatoly V. Alekseytsev. "Review of modern optimization methods for bearing systems of buildings and structures." Vestnik 1 (2020): 12-30., @2020 [Линк](#) 1.000
1260. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
115. Zaluski A., Ganzha M., Paprzycki M., Badica C., Badica A., Ivanovic M., Fidanova S., Lirkov I.. Experimenting with facilitating collaborative travel recommendations. International Conference on System Theory, Control and Computing, 2019, ISBN:978-1-7281-0699-1, ISSN:2372-1618, DOI:10.1109/ICSTCC.2019.8885795, 260-265

Цитирана се в:

1261. Koprinkova-Hristova P. (2021) Research on Artificial Neural Networks in Bulgarian Academy of Sciences. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_14, @2021 [Линк](#) 1.000
1262. Shen G., Tan J., Liu Z., Kong X., Enhancing Interactive Graph Representation Learning for Review-based Item Recommendation (2022) Computer Science and Information Systems, 19 (2), pp. 573 - 593, DOI: 10.2298/CSIS210228064S, IF 1.170, @2022 [Линк](#) 1.000
116. Fidanova S., Dezert J., Tchamova A.. Inter-Criteria Analysis Based on Belief Functions for GPS Surveying Problems. IEEE Explorer, 2019, DOI:DOI: 10.1109/IINISTA.2019.8778423

Цитирана се в:

1263. Todorov, V., Dimov, I., Ostromsky, T., Zlatev, Z., Georgieva, R., Poryazov, S., Sensitivity Study of a Large-Scale Air Pollution Model by Using Optimized Latin Hyprecube Sampling. In book: Recent Advances in Computational Optimization, (2022) Springer, DOI: 10.1007/978-3-030-82397-9_19, @2022 [Линк](#) 1.000
117. Fidanova S., Luque G., Roeva O., Ganzha M.. Ant Colony Optimization Algorithm for Workforce Planning: Influence of the Evaporation Parameter. Proceedings of the 2019 Federated Conference on Computer Science and Information Systems, Annals of Computer Science and Information Systems, 2019, ISSN:ISSN 2300-5963, 181-185

Цитирана се в:

1264. Farghadani-Chaharsooghi, Pedram, Kamranfar, Pooria, Mirzapour Al-e-Hashem, Mohammad Seyed, Rekik, Yacine, A joint production-workforce-delivery stochastic planning problem for perishable items, Journal of Production Research, doi: 10.1080/00207543.2021.1985736, IF 8.568, @2021 [Линк](#) 1.000
1265. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
1266. Farghadani-Chaharsooghi, P., Kamranfar, P., Mirzapour Al-e-Hashem, M. S., & Rekik, Y. (2022). A joint production-workforce-delivery stochastic planning problem for perishable items. International Journal of Production Research, 60(20), 6148-6172. IF 9.018, @2022 [Линк](#) 1.000

1267. Yadav, A., Shastri, A., Verma, S. (2023). Experimental Analysis of ACO with Modified Firefly and Modified Genetic Algorithm for Routing in FANETs. In: Tiwari, M., Ismail, Y., Verma, K., Garg, A.K. (eds) Optical and Wireless Technologies. OWT 2021. Lecture Notes in Electrical Engineering, vol 892. Springer, Singapore. https://doi.org/10.1007/978-981-19-1645-8_9, @2023 [Линк](#) 1.000
118. Fidanova S., Roeva O., Luque G.. Ant Colony Optimization Algorithm for Workforce Planing: Influence of the Algorithm Parameters. Studies of Computational Intelligence, 793, Springer, 2019, ISBN:978-3-319-97277-0, 119-128. SJR (Scopus):0.187
Цитира се в:
1268. Ribagin S., Lyubanova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
119. Myasnichenko V., Kirilov L., Mikhov R., Fidanova S., Sdobnyakov N.. Simulated Annealing Method for Metal Nanoparticle Structures Optimization. Studies in Computational Intelligence, 793, Springer, 2019, ISBN:978-3-319-97277-0, ISSN:1860949X, DOI:10.1007/978-3-319-97277-0_23, 277-289. SJR (Scopus):0.187
Цитира се в:
1269. Ribagin S., Lyubanova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000
1270. Tang, X., Liu, J., Zhu, J., Zhou, L., Zhang, Y., Multi-swarm UPSO algorithm based on seed strategy for atomic clusters structure optimization (2021) Computational Biology and Chemistry, 95, art. no. 107598, . IF 2.877, @2021 [Линк](#) 1.000
120. Ismaili S., Fidanova S.. Application of Intuitionistic Fuzzy Sets for Conflict Resolution Modeling and Based Simulation. Bioautomation, 23, 2, 2019, ISSN:1314-1902, DOI:10.7546/ijba.2019.23.2.000544, 175-184. SJR (Scopus):0.25
Цитира се в:
1271. Singh R.S., Gelmecha D.J., Mishra S., Dengia G., Sinha D.K., A Novel Machine Learning Approach for Detection of Coronary Artery Disease Using Reduced Non-linear and Chaos Features (2022) International Journal Bioautomation, 26 (3), pp. 273 - 296, DOI: 10.7546/ijba.2022.26.3.000786, @2022 [Линк](#) 1.000
121. Ismaili S., Fidanova S.. Application of game theory and evolutionary algorithms in solving conflicts in social system. Bioautomation, 23, 3, 2019, ISSN:1314-1902, DOI:doi: 10.7546/ijba.2019.23.3.000545, 293-301. SJR (Scopus):0.25
Цитира се в:
1272. Mavrov, D. G., & Bureva, V. (2022). FireGrid—Software for 2-D Fire Simulation Using the Game Method for Modelling. International Journal Bioautomation, 26(1), 5., @2022 [Линк](#) 1.000
1273. Song Y., Ji C., Dual-Channel Pricing of Online Retail Based on Evolutionary Game Theory and Coevolutionary Algorithm (2022) Mathematical Problems in Engineering, 2022, art. no. 5605883, . DOI: 10.1155/2022/5605883, IF 1.305, @2022 [Линк](#) 1.000
122. Kapanova K., Fidanova S.. Generalized nets: a new approach to model a htags linguistic network on Twitter. Studies in Computational Intelligence, 793, Springer, 2019, ISBN:978-3-319-97277-0, 211-221. SJR (Scopus):0.187
Цитира се в:
1274. Zhang, Y., Zhang, C., Li, J., Joint Modeling of Characters, Words, and Conversation Contexts for Microblog Keyphrase Extraction (2019) Journal of the Association for Information Science and Technology. 71(5),. @2019 [Линк](#) 1.000
1275. Chen, H.H., Alexander, T.J., Oliveira, D.F. and Altmann, E.G., 2020. Scaling laws and dynamics of hashtags on Twitter. Chaos: An Interdisciplinary Journal of Nonlinear Science, 30(6), p.063112., @2020 [Линк](#) 1.000
1276. Muhammad Habibi, Adri Priadana, Muhammad Rifqi Ma'arif, Hashtag Analysis of Indonesian COVID-19 Tweets Using Social Network Analysis, Indonesian journal of Computing and Ciberetic Systems, vol. 15(3), 2021, <https://doi.org/10.22146/ijccs.61626>, @2021 [Линк](#) 1.000
1277. Zoteva D., Angelova N. (2021) Generalized Nets. An Overview of the Main Results and Applications. In: Atanasov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_10, @2021 [Линк](#) 1.000
1278. Angelopoulou, A., Mykoniatis, K., & Smith, A. E. (2022). Analysis of Public Sentiment on COVID-19 Mitigation Measures in Social Media in the United States Using Machine Learning. IEEE Transactions on Computational Social Systems. DOI: 10.1109/TCSS.2022.3214527, @2022 [Линк](#) 1.000
123. Roeva O., Fidanova S., Luque G., Paprzycki M.. Intercriteria Analysis of ACO Performance for Workforce Planning Problem. Studies in Computational Intelligence, 795, Springer, 2019, ISBN:978-3-319-99647-9, 47-67. SJR (Scopus):0.187
Цитира се в:
1279. Dezert, Jean, Albena Tchamova, Deqiang Han, and Jean-Marc Tacnet. "Simplification of Multi-Criteria Decision-Making Using Inter-Criteria Analysis and Belief Functions." In 2019 22th International Conference on Information Fusion (FUSION), pp. 1-8. IEEE, 2019., @2019 [Линк](#) 1.000

1280. Atanassov K.T. Applications of IVIFSs. In: Interval-Valued Intuitionistic Fuzzy Sets, Studies in Fuzziness and Soft Computing 388, 2020 (pp. 131-194). Springer, Cham., @2020 [Линк](#) 1.000
1281. Sallam, K.M.aEmail Author, Turan, H.H.bEmail Author, Chakraborty, R.K.bEmail Author, Elsayah, S.bEmail Author, Ryan, M.J.b, A Differential Evolution Algorithm for Military Workforce Planning Problems: A Simulation-Optimization Approach, IEEE Symposium Series on Computational Intelligence, SSCI 20201 December 2020, Article number 9308566, Pages 2504-2509, @2020 [Линк](#) 1.000
1282. Chorukova E., Marinov P., Umlenski I. (2021) Survey on Theory and Applications of InterCriteria Analysis Approach. In: Atanassov K.T. (eds) Research in Computer Science in the Bulgarian Academy of Sciences. Studies in Computational Intelligence, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_20, @2021 [Линк](#) 1.000
1283. MacDonald L., Paul J.A., A risk analytics model for strategic workforce planning: readiness of enlisted military personnel (2023) Annals of Operations Research, IF 4.8 DOI: 10.1007/s10479-023-05567-0, @2023 [Линк](#) 1.000
1284. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция "Информатика" Annual of "Informatics" Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000

2020

124. Fidanova S., Roeva O., Ganzha M.. Ant Colony Optimization Algorithm for Fuzzy Transport Modelling. Annals of Computer Science and Information Systems, 21, 2020, ISBN:978-83-955416-7-4, ISSN:2300-5963, 237-240

Цитирани са:

1285. Akansha, E., Sahoo, A., Gulati, K., Jyoti, Sharma, N., Hybrid Classifier Based on Binary Neural Network and Fuzzy Ant Colony Optimization Algorithm (2021) Proceedings of the 5th International Conference on Trends in Electronics and Informatics, ICOEI 2021, art. no. 9453013, pp. 1613-1619., @2021 [Линк](#) (x) 1.000
1286. Baiou, M., Mombelli, A., Quilliot, A., Adouane, L., Zhu, Z., Algorithms for the Safe Management of Autonomous Vehicles (2021) Proceedings of the 16th Conference on Computer Science and Intelligence Systems, FedCSIS 2021, pp. 153-162., @2021 [Линк](#) (x) 1.000
1287. Hou F., Information Flow Optimization for Practice of University Mathematics Interaction Platform Construction, Proceedings of the 5th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2021Pages 1149 - 11522021 5th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2021Coimbatore2 December 2021 through 4 December 2021Code 176530, DOI 10.1109/ICECA52323.2021.9676124, @2021 [Линк](#) (x) 1.000
1288. Bendali, F., Mailfert, J., Kamga, E. M., Gonzalez, A. O., Quilliot, A., & Toussaint, H. (2022). Surrogate Estimators for Complex Bi-Level Energy Management. Annals of Computer Science and Information Systems, Volume 32, 85-92, @2022 [Линк](#) (x) 1.000
1289. АН, Б. Ч. (2022). РАЗРАБОТКА ИНТЕЛЛЕКТУАЛНЫХ СИСТЕМ МОДЕЛИРОВАНИЯ СЛАБОФОРМАЛИЗУЕМЫХ ПРОЦЕССОВ НА ОСНОВЕ НЕЙРО-НЕЧЕТКИХ МОДЕЛЕЙ (Doctoral dissertation, Московский физико-технический институт)., @2022 [Линк](#) (x) 1.000
1290. Bai Z., Wang H., Yang L., Li J., Lu H., A Rescheduling Approach for Freight Railway considering Equity and Efficiency by an Integrated Genetic Algorithm, J. of Advances Transportation, Volume 2023, Article ID 8989644, <https://doi.org/10.1155/2023/8989644>, , @2023 [Линк](#) 1.000
1291. González J.L.F., Quilliot A., Toussaint H., Wagler A.K., Managing a Time Expanded Network through Project-and-Lift, Conference: SOICT '23: Proceedings of the 12th International Symposium on Information and Communication TechnologyAt: Ho Chi Minh, Vietnam, 2023, DOI: 10.1145/3628797.3628986, @2023 [Линк](#) 1.000
1292. Quilliot A., Figueroa F.J., Toussaint H., Algorithmic Handling of Time Expanded Networks, ACSIS, Vol. 35, pp. 667–676, DOI: 10.15439/2023F6717, 2023, @2023 [Линк](#) 1.000
1293. 8. Bendali F., Kamga E.M., Mailfert J., Gonzales A.O., Quilliot A., Toussaint H., Surrogate Estimators for Complex Bi-level Energy Management (2024) Studies in Computational Intelligence, 1158 SCI, pp. 171 - 196, DOI: 10.1007/978-3-031-57320-0_10, @2024 [Линк](#) 1.000

125. Todorov V., Ostromsky, Tz., Dimov I., Fidanova S.. Optimized Quasi-Monte Carlo Method Based on Low Discrepancy Sequences for SensitivityAnalysis in Air Pollution Modelling. Annals of Computer Science and Information Systems, 23, 2020, ISBN:978-83-955416-7-4, ISSN:2300-5963, DOI:10.15439/2020F108, 25-28

Цитирани са:

1294. González Rivero, Rosa Amalia, Olivier Schalm, Arianna Alvarez Cruz, Erik Hernández Rodríguez, Mayra C. Morales Pérez, Daniellys Alejo Sánchez, Alain Martínez Laguardia, Werner Jacobs, and Luis Hernández Santana. 2023. "Relevance and Reliability of Outdoor SO2 Monitoring in Low-Income Countries Using Low-Cost Sensors" Atmosphere 14, no. 6: 912. <https://doi.org/10.3390/atmos14060912> , IF 3.11, @2023 [Линк](#) 1.000

126. Todorov V., Dimov I., Apostolov S., Fidanova S., Dimitrov Y., Poryazov S.. An Optimal Monte Carlo Algorithm for a Class of Multidimensional Integrals. Annals of Computer Science and Information Systems, 23, 2020, ISBN:978-83-955416-7-4, ISSN:2300-5963, DOI:10.15439/2020F112, 17-20

Цитирани са:

1295. Hernández-Rubio, E., Pescador-Rojas, M., Fuentes Pérez, R., Flores-Nogueira, D.D., Meneses Viveros, A., API Design for Multidimensional Integration Library (2021) Communications in Computer and Information Science, 1420, pp. 495-499., @2021 [Линк](#) 1.000
1296. Quintero-Monsebaiz, R., Meneses-Viveros, A., Carranza, F. et al. Multidimensional adaptative and deterministic integration in CUDA and OpenMP. J Supercomput (2021)., 1-23, <https://doi.org/10.1007/s11227-021-03752-1> ISI IF 2.469 Q1, @2021 [Линк](#) 1.000

127. **Mikhov R.**, Myasnichenko V., **Kirilov L.**, Sdobnyakov N., Matrenin P., Sokolov D., **Fidanova S.**. A Two-Stage Monte Carlo Approach for Optimization of Bimetallic Nanostructures. *Annals of Computer Science and Information Systems*, 21, 2020, ISBN:978-83-955416-7-4, ISSN:2300-5963, DOI:10.15439/2020F135, 285-288

Цитира се в:

1297. Dai M., Feng X., Yu H., Guo W., A Novel Spectral Ensemble Clustering Algorithm Based on Social Group Migratory Behavior and Emotional Preference (2022) *Lecture Notes in Computer Science* (including subseries *Lecture Notes in Artificial Intelligence* and *Lecture Notes in Bioinformatics*), 13370 LNAI, pp. 316 - 328, DOI: 10.1007/978-3-031-10989-8_25, @2022 [Линк](#) 1.000
1298. Todorov, V. (2022). An Overview of Lattice and Adaptive Approaches for Multidimensional Integrals. In: Fidanova, S. (eds) *Recent Advances in Computational Optimization*. WCO 2021. *Studies in Computational Intelligence*, vol 1044. 333-348, 2022, Springer, Cham. https://doi.org/10.1007/978-3-031-06839-3_19, @2022 [Линк](#) 1.000
1299. Dai M., Feng X., Yu H., Guo W., Li X., A Monte Carlo manifold spectral clustering algorithm based on emotional preference and migratory behavior (2023) *Applied Intelligence*, DOI: 10.1007/s10489-023-04484-w, IF 5.019, @2023 [Линк](#) 1.000

128. **Fidanova S.**, Roeva O., Luque G., Paprzycki M.. InterCriteria Analysis of Different Hybrid Ant Colony Optimization Algorithms for Workforce Planning. *Studies in Computational Intelligence*, 838, Springer, 2020, ISBN:978-3-030-22723-4, 61-81. SJR (Scopus):0.183

Цитира се в:

1300. Afradi, A., Ebrahimabadi, A., Hallajian, T., Prediction of tunnel boring machine penetration rate using ant colony optimization, bee colony optimization and the particle swarm optimization, case study: Sabzkoooh water conveyance tunnel, (2020) *Mining of Mineral Deposits*, 14 (2), pp. 75-84., @2020 [Линк](#) 1.000
1301. Liang, L., 2020. A Fusion Multiobjective Empire Split Algorithm. *Journal of Control Science and Engineering*, 2020. <https://doi.org/10.1155/2020/8882086>, @2020 [Линк](#) 1.000
1302. Chorukova, E., Marinov, P., Umlenski, I., Survey on Theory and Applications of InterCriteria Analysis Approach, (2021) *Studies in Computational Intelligence*, 934, pp. 453-469. DOI: 10.1007/978-3-030-72284-5_2, @2021 [Линк](#) 1.000
1303. Akyurt, İ. Z., Kuvvetli, Y., Deveci, M., Garg, H., & Yuzsever, M. (2022). A new mathematical model for determining optimal workforce planning of pilots in an airline company. *Complex & Intelligent Systems*, 8(1), 429-441., @2022 [Линк](#) 1.000
1304. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция "Информатика" Annual of "Informatics" Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000
1305. Angelova S., Angelova M., Raikova R., Estimating Surface EMG Activity of Human Upper Arm Muscles Using InterCriteria Analysis, *J. Math. and Comput. Applications*, Vol. 29(1), 8, 2024. IF 1.9, @2024 [Линк](#) 1.000

129. Roeva O., **Fidanova S.**. Different InterCriteria Analysis of Variants of ACO algorithm for Wireless Sensor Network Positioning. *Studies in Computational Intelligence*, 838, Springer, 2020, ISBN:978-3-030-22723-4, DOI:10.1007/978-3-030-22723-4_6, 83-103. SJR (Scopus):0.183

Цитира се в:

1306. Afradi, A., Ebrahimabadi, A., Hallajian, T. Prediction of tunnel boring machine penetration rate using ant colony optimization, bee colony optimization and the particle swarm optimization, case study: Sabzkoooh water conveyance tunnel (2020) *Mining of Mineral Deposits*, 14 (2), pp. 75-84., @2020 [Линк](#) 1.000
1307. Chorukova, E., Marinov, P., Umlenski, I., Survey on Theory and Applications of InterCriteria Analysis Approach, (2021) *Studies in Computational Intelligence*, 934, pp. 453-469. DOI: 10.1007/978-3-030-72284-5_2, @2021 [Линк](#) 1.000
1308. M. Senthilkumar, V.R. Kavitha, M. Suresh Kumar, P. Anantha Christu Raj and D. Ruth Anita Shirley, Routing in a Wireless Sensor Network using a Hybrid Algorithm to Improve the Lifetime of the Nodes, *Materials Science and Engineering*, 2021, doi:10.1088/1757-899X/1084/1/012051, @2021 [Линк](#) 1.000
1309. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция "Информатика" Annual of "Informatics" Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000

130. Myasnichenko V., Sdobnyakov N., **Kirilov L.**, **Mikhov R.**, **Fidanova S.**. Structural Instability of Gold and Bimetallic Nanowires Using Monte Carlo Simulation. *Studies in Computational Intelligence*, 838, Springer, 2020, ISBN:978-3-030-22723-4, DOI:https://doi.org/10.1007/978-3-030-22723-4_9, 133-145. SJR (Scopus):0.183

Цитира се в:

1310. Todorov, V., I. Dimov, and Tz. Ostrowsky. A comparison of advanced quasi Monte Carlo methods for multidimensional integrals in air pollution modeling. *AIP Conference Proceedings* 2302, 030005 (2020); <https://doi.org/10.1063/5.0034850>, @2020 [Линк](#) 1.000
1311. Тамразян, А. Г., Алексейцев А. В. (2020) Современные методы оптимизации конструктивных решений для несущих систем зданий и сооружений. *Vestnik MGSU • Monthly Journal on Construction and Architecture • Volume 15. Issue 1*, pp. 12-30, 2020. DOI: 10.22227/1997-0935.2020.1.12-30, @2020 [Линк](#) 1.000
1312. Ribagin S., Lyubenova V. (2021) Metaheuristic Algorithms: Theory and Applications. In: Atanasov K.T. (eds) *Research in Computer Science in the Bulgarian Academy of Sciences*. *Studies in Computational Intelligence*, vol 934. Springer, Cham. https://doi.org/10.1007/978-3-030-72284-5_18, @2021 [Линк](#) 1.000

1313. Todorov, V., Dimov, I., Ostromsky, T., Zlatev, Z., Advanced Quasi-Monte Carlo Algorithms for Multidimensional Integrals in Air Pollution Modelling (2021) Studies in Computational Intelligence, 902 SCI, pp. 155-167., @2021 [Линк](#) 1.000
1314. Todorov, V., Dimov, I., Ostromsky, T., Apostolov, S., Dimitrov, Y., Zlatev, Z. (2023). Quasi-Monte Carlo Methods Based on Low Discrepancy Sequences for Sensitivity Analysis in Air Pollution Modelling. In: Georgiev, I., Kostadinov, H., Lilkova, E. (eds) Advanced Computing in Industrial Mathematics. BGSIAM 2019. Studies in Computational Intelligence, vol 1111. Springer, Cham. https://doi.org/10.1007/978-3-031-42010-8_22, @2023 [Линк](#) 1.000
1315. Todorov, V., Dimov, I., Ostromsky, T., Zlatev, Z. (2023). Sensitivity Analysis of a Large-Scale Air Pollution Model by Using Effective Stochastic Approaches. In: Georgiev, I., Kostadinov, H., Lilkova, E. (eds) Advanced Computing in Industrial Mathematics. BGSIAM 2020. Studies in Computational Intelligence, vol 1076. Springer, Cham. 145-153., @2023 [Линк](#) 1.000
131. **Fidanova S.**, Roeva O.. Multi-Objective ACO Algorithm for WSN Layout: InterCriteria Analysis. Lecture Notes in Computer Science, 11958, Springer, 2020, ISBN:978-3-030-410315, 474-481. SJR (Scopus):0.238
- Цитирани са в:
1316. Chorukova, E., Marinov, P., Umlenski, I., Survey on Theory and Applications of InterCriteria Analysis Approach, (2021) Studies in Computational Intelligence, 934, pp. 453-469. DOI: 10.1007/978-3-030-72284-5_2, @2021 [Линк](#) 1.000
1317. Todorov T., Dimov D., Ostromski Tz., Zlatev Z. Georgieva R., Poryazov S., Sensitivity Study of a Large-Scale Air Pollution Model by Using Optimized Latin Hypercube Sampling, Recent Advances in Computational Optimization, Studies in Computational Intelligence 986, 2022, 371-387. SJR 185, @2022 [Линк](#) 1.000
1318. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция "Информатика" Annual of "Informatics" Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000
132. **Fidanova S.** Hybrid Ant Colony Optimization Algorithm for Multiple Knapsack Problem. 5th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE), IEEE, 2020, DOI:10.1109/ICRAIE51050.2020.9358351, 1-5
- Цитирани са в:
1319. Abdel-Basset, M., Mohamed, R., Abouhawwash, M., Chang, V., Askar, S.S., A local search-based generalized normal distribution algorithm for permutation flow shop scheduling (2021) Applied Sciences (Switzerland), 11 (11), art. no. 4837, IF 2.679, @2021 [Линк](#) 1.000
1320. Kostykova, M., Kozachok, L., Levterov, A., Plekhova, A., Shevchenko, V., Okun, A., The use of the heuristic method for solving the knapsack problem (2021) 2021 IEEE 2nd KhPI Week on Advanced Technology, KhPI Week 2021 - Conference Proceedings, pp. 177-180., @2021 [Линк](#) 1.000
1321. Yang Q., Haomiao L., Xiao W., Omar D., On the adoption of Metaheuristics for Solving 0-1 Knapsack Problems, Proceedings - International Symposium on Parallel Architectures, Algorithms and Programming, PAAPVolume 2021, ISBN 978-166549639-1, Pages 56 - 61. DOI 10.1109/PAAP54281.2021.9720471, @2021 [Линк](#) 1.000
1322. Rajeswari M., Ramalingam R., Basheer S., Babu K.S., Rashid M., Saranya R. Multi-Objective ABC-NM Algorithm for Multi-Dimensional Combinatorial Optimization Problem (2023) Axioms, 12 (4), art. no. 395, Cited 0 times. DOI: 10.3390/axioms12040395, IF 1.824, @2023 [Линк](#) 1.000
1323. Ikhelef, I. A. (2024). Optimization of VNF placement and chaining according to NFV/SDN paradigms (Doctoral dissertation, Université Paris-Nord-Paris XIII), @2024 [Линк](#) 1.000
1324. Tang L., Huang H., Liu H., Xie X.R., Gao X.Z., Tian L.R., Integrated learning framework for multistep pick-place-arrange of arbitrarily shaped objects in a narrow crate (2024) Engineering Applications of Artificial Intelligence, 133, art. no. 108471, DOI: 10.1016/j.engappai.2024.108471, IF 8.0, @2024 [Линк](#) 1.000
1325. Ye, H., Wang, J., Cao, Z., & Song, G. (2024). ReEvo: Large Language Models as Hyper-Heuristics with Reflective Evolution. arXiv preprint arXiv:2402.01145., @2024 [Линк](#) 1.000
1326. Ye, H., Wang, J., Cao, Z., Liang, H., & Li, Y. (2024). DeepACO: Neural-enhanced Ant Systems for Combinatorial Optimization. Advances in Neural Information Processing Systems, 36., @2024 [Линк](#) 1.000

2021

133. **Fidanova S.**, Roeva O., Ganzha M.. InterCriteria Analysis of Hybrid Ant Colony Optimization Algorithm for Multiple Knapsack Problem. Annals of Computer Science and Information Systems., 25, IEEE, 2021, ISBN:978-83-959183-6-0, ISSN:2300-5963, DOI:10.15439/2021F22, 173-180

Цитирани са в:

1327. Hoang D.M., Xuan T.V., Thang T.N., A Multi-criteria Fuzzy Random Crop Planning Problem using Evolutionary Optimization, Proceedings of the 2021 Sixth International Conference on Research in Intelligent and Computing, Annals of Computer Science and Information Systems, Volume 27, 2021, 49-52, @2021 [Линк](#) 1.000
1328. Traneva V., Mavrov D., Tranev S., Software Implementation of the Optimal Temporal Intuitionistic Fuzzy Algorithm for Franchisee Selection, Proceedings of the 17th Conference on Computer Science and Intelligence Systems, ACSIS, Vol. 30, ISSN 2300-5963, DOI: 10.15439/2022F149, pp. 387-390, 2022., @2022 [Линк](#) 1.000

1329. Laskov L., Marinov M., List Of Pareto Optimal Solutions of a Biobjective Shortest Path Problem, Proceedings of the 18th Conference on Computer Science and Intelligence Systems, M. Ganzha, L. Maciaszek, M. Paprzycki, D. Ślęzak (eds). ACSIS, Vol. 35, pages 603–613 (2023), IEEE Xplore, <http://dx.doi.org/10.15439/2023F3718>, @2023 [Линк](#) 1.000
1330. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция "Информатика" Annual of "Informatics" Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000
1331. Traneva, V., Tranev, S., Mavrov, D. (2024). An Application of the Temporal Intuitionistic Fuzzy Algorithm for Franchisee Selection in a Fast-Food Restaurant Chain. In: Fidanova, S. (eds) Recent Advances in Computational Optimization. WCO 2022. Studies in Computational Intelligence, vol 1158. Springer, Cham. https://doi.org/10.1007/978-3-031-57320-0_11, @2024 [Линк](#) 1.000
134. Kishkin K., Arnaudov D., **Todorov V., Fidanova S.** Multicriterial evaluation and optimization of an algorithm for charging energy storage elements. Computer Science and Intelligence Systems, 26, 2021, ISSN:2300-5963, DOI:10.15439/2021F55, 61-64
Цитира се в:
 1332. Zhang, Y.J., Mu, X.D., Liu, X.W., Wang, X.Y., Zhang, X., Li, K., Wu, T.Y., Zhao, D., Dong, C., Applying the quantum approximate optimization algorithm to the minimum vertex cover problem, Applied Soft Computing, Volume 118, 2022, 108554 ISSN 1568-4946, <https://doi.org/10.1016/j.asoc.2022.108554> IF: 6.725 Q1, @2022 [Линк](#) 1.000
 1333. Quilliot, A., Figueroa, J. L., Toussaint, H., & Wagler, A. Algorithmic Handling of Time Expanded Networks., ACSIS, Vol. 35, pp. 667–676, DOI: 10.15439/2023F6717, @2023 [Линк](#) 1.000
135. **Todorov V., Dimov I., Fidanova S., Poryazov S.** Optimized lattice rule and adaptive approach for multidimensional integrals with applications. Preprints of Position and Communication Papers of the Federated Conference on Computer Science and Information Systems, 26, 2021, ISSN:2300-5963, DOI:10.15439/2021F94, 75-80
Цитира се в:
 1334. Deng Sh., Li Y., Wang J., Cao R., Li M., A feature-thresholds guided genetic algorithm based on a multi-objective feature scoring method for high-dimensional feature selection, Applied Soft Computing, 2023, 110765, ISSN 1568-4946, <https://doi.org/10.1016/j.asoc.2023.110765>. IF 8.7, @2023 [Линк](#) 1.000
136. **Fidanova S.** Ant Colony Optimization and Applications. Studies in Computational Intelligence, 947, Springer, 2021, ISBN:978-3-030-67380-2, DOI:<https://doi.org/10.1007/978-3-030-67380-2>, 142, SJR (Scopus):0.237
Цитира се в:
 1335. Kaur, G., Chanak, P., & Bhattacharya, M. (2021). Obstacle Aware Intelligent Fault Detection Scheme for Industrial Wireless Sensor Networks. IEEE Transactions on Industrial Informatics., @2021 [Линк](#) 1.000
 1336. Safaeian Hamzehkolaei, N., MiarNaeimi, F., A new hybrid multi-level cross-entropy-based moth-flame optimization algorithm (2021) Soft Computing, Vol. 23(18), pp. 14701-14718, IF 3.643, @2021 [Линк](#) 1.000
 1337. Κουσουνάδης-Κνούσεν, Μάρκος. "Πιθανοτική πρόβλεψη αιολικής παραγωγής με χρήση τεχνητών νευρωνικών δικτύων." (2021)., @2021 [Линк](#) 1.000
 1338. Данчук, В. Д. (2021). ІНТЕЛЕКТУАЛЬНІ МЕТОДИ ТА ІНФОРМАЦІЙНА ТЕХНОЛОГІЯ ОПТИМІЗАЦІЇ ПРОЦЕСІВ ДОСТАВКИ ВАНТАЖІВ У ВЕЛИКИХ МІСТАХ (Doctoral dissertation, НАЦІОНАЛЬНИЙ ТРАНСПОРТНИЙ УНІВЕРСИТЕТ)., @2021 [Линк](#) 1.000
 1339. Adamuthe, A.C., Kagwade, S.M., Hybrid and adaptive harmony search algorithm for optimizing energy efficiency in VMP problem in cloud environment (2022) Decision Science Letters, 11 (2), pp. 113-126., @2022 [Линк](#) 1.000
 1340. Ali M.A., Balamurugan B., Sharma V., IoT and Blockchain Based Intelligence Security System for Human Detection using an Improved ACO and Heap Algorithm (2022) 2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022, pp. 1792 - 1795, DOI: 10.1109/ICACITE53722.2022.9823827, @2022 [Линк](#) 1.000
 1341. Alobaedy M.M., Khalaf A.A., Fazea Y., Distributed Multi-Ant Colony System Algorithm using Raspberry Pi Cluster for Travelling Salesman Problem (2022) Iraqi Journal of Science, 63 (9), pp. 4067 - 4078, DOI: 10.24996/ij.s.2022.63.9.35, @2022 [Линк](#) 1.000
 1342. Belkhadir A., Belkhatat D., Zidani Y., Pusca R., Romary R., Torque Ripple Minimization Control of Permanent Magnet Synchronous Motor using Adaptive Ant Colony Optimization (2022) 2022 8th International Conference on Control, Decision and Information Technologies, CoDIT 2022, pp. 629 - 635, Cited 0 times. DOI: 10.1109/CoDIT55151.2022.9804127, @2022 [Линк](#) 1.000
 1343. Guvenc M.A., Bilgic H.H., Cakir M., Mistikoglu S., The prediction of surface roughness and tool vibration by using metaheuristic-based ANFIS during dry turning of Al alloy (AA6013) (2022) Journal of the Brazilian Society of Mechanical Sciences and Engineering, 44 (10), art. no. 474, DOI: 10.1007/s40430-022-03798-z, IF 2.361, @2022 [Линк](#) 1.000
 1344. Kaidi, W., Khishe, M., & Mohammadi, M. (2022). Dynamic levy flight chimp optimization. Knowledge-Based Systems, 235, 107625. <https://doi.org/10.1016/j.knosys.2021.107625>, IF 8.139, @2022 [Линк](#) 1.000
 1345. Kaleli, S. S. (2022). Getiri-Risk Oranına Göre Karınca Koloni Optimizasyonu Tabanlı Portföy Seçimi: Bist-30 Örneği. İşletme Araştırmaları Dergisi, 14(3), 1741-1752., @2022 [Линк](#) 1.000
 1346. Kim G., S. Kim and I. G. Jang, "Loopwise Route Representation-Based Topology Optimization for the Shortest Path Problems," in IEEE Access, vol. 10, pp. 128835-128846, 2022, doi: 10.1109/ACCESS.2022.3227388., @2022 [Линк](#) 1.000
 1347. Kumar, N., & Kaswan, K. S. (2022). Soft Hunting Algorithm for Auto-Tuning Software Reliability Growth Models. Wireless Communications and Mobile Computing, 2022. Article ID 3752264, @2022 [Линк](#) 1.000

1348. Mirrashid N., Alibeiki E., Rakhtala S.M., Development and Control of an upper Limb Rehabilitation Robot via Ant Colony Optimization -PID and Fuzzy-PID Controllers (2022) International Journal of Engineering, Transactions B: Applications, 35 (8), DOI: 10.5829/IJE.2022.35.08B.04, @2022 [Линк](#) 1.000
1349. Murinto, P.A., Ujianto E.I.H., Multilevel Thresholding Image Segmentation Based-Logarithm Decreasing Inertia Weight Particle Swarm Optimization (2022) International Journal of Advances in Soft Computing and its Applications, 14 (3), pp. 64 - 77, DOI: 10.15849/IJASCA.221128.05, @2022 [Линк](#) 1.000
1350. Qian Q., Yu K., Yadav P.K., Dhal S., Kalafatis S., Thomasson J.A., Hardin R.G., Cotton Crop Disease Detection on Remotely Collected Aerial Images with Deep Learning, (2022) Proceedings of SPIE - The International Society for Optical Engineering, 12114, art. no. 1211405, DOI: 10.1117/12.2623039, @2022 [Линк](#) 1.000
1351. Rajani, Kumar N., Kaswan K.S., Soft Hunting Algorithm for Auto-Tuning Software Reliability Growth Models (2022) Wireless Communications and Mobile Computing, 2022, art. no. 3752264, DOI: 10.1155/2022/3752264, @2022 [Линк](#) 1.000
1352. Varol Altay E., Hybrid Archimedes optimization algorithm enhanced with mutualism scheme for global optimization problems (2022) Artificial Intelligence Review, DOI: 10.1007/s10462-022-10340-z, IF 9, 588, @2022 [Линк](#) 1.000
1353. Akid S.M., Simarmata R., Penjadwalan Mesin Produk Mobil Mainan dengan Menggunakan Metode Ant Colony, Volume 6 Issue 1 – 2023 TALENTA Conference Series: Energy and Engineering (EE), DOI: 10.32734/ee.v6i1.1905, @2023 [Линк](#) 1.000
1354. Gite S., Patil S., Dharrao D., Yadav M., Basak S., Rajendran A., Kotecha K., Textual Feature Extraction Using Ant Colony Optimization for Hate Speech Classification (2023) Big Data and Cognitive Computing, 7 (1), art. no. 45, DOI: 10.3390/bdcc7010045, @2023 [Линк](#) 1.000
1355. Mohsen Z.S., Mohamed M.J., PID Neural Controller Design for Nonlinear Inverted Pendulum System (2023) International Journal of Intelligent Engineering and Systems, 16 (6), pp. 783 - 798, DOI: 10.22266/ijies2023.1231.65, @2023 [Линк](#) 1.000
1356. Salgotra R., Sharma P., Raju S., Gandomi A.H., A Contemporary Systematic Review on Meta-heuristic Optimization Algorithms with Their MATLAB and Python Code Reference (2023) Archives of Computational Methods in Engineering, DOI: 10.1007/s11831-023-10030-1, @2023 [Линк](#) 1.000
1357. Varol Altay E., Hybrid Archimedes optimization algorithm enhanced with mutualism scheme for global optimization problems (2023) Artificial Intelligence Review, 56 (7), pp. 6885 – 6946, IF 9.588, DOI: 10.1007/s10462-022-10340-z, @2023 [Линк](#) 1.000
1358. Bijli M.K., Verma P., Singh A.P., A systematic review on the potency of swarm intelligent nanorobots in the medical field (2024) Swarm and Evolutionary Computation, 86, art. no. 101524 DOI: 10.1016/j.swevo.2024.101524, IF 10, @2024 [Линк](#) 1.000
1359. Chen G., Cheng D., Chen W., Yang X., Guo T., Path planning for AUVs based on improved APF-AC algorithm (2024) Computers, Materials and Continua, 78 (3), pp. 3721 - 3741, DOI: 10.32604/cmc.2024.047325, IF 3.1, @2024 [Линк](#) 1.000
1360. Jiao D., Wang L., Yang P., Yang W., Peng Y., Shang Z., Ren F., Unmanned Aerial Vehicle-enabled grassland restoration with energy-sensitive of trajectory design and restoration areas allocation via a cooperative memetic algorithm, (2024) Engineering Applications of Artificial Intelligence, 133, art. no. 108084, DOI: 10.1016/j.engappai.2024.108084, IF 8, @2024 [Линк](#) 1.000

137. **Fidanova S.**, Atanasov K.. ACO with Intuitionistic Fuzzy Pheromone Updating Applied on Multiple Knapsack Problem. Mathematics, 9, 13, MDPI, 2021, ISSN:2227-7390, DOI:10.3390/math9131456, 1-7. JCR-IF (Web of Science):2.592

Цитирани са:

1361. Dhoubi S., Unravelling the assignment problem under intuitionistic triangular fuzzy environment by the novel heuristic Dhoubi-Matrix-AP1, Yugoslav Journal of Operations Research, ISSN: 0354-0243, SJR 0.260, , @2023 [Линк](#) 1.000
1362. Traneva V., Petrov P., Tranev S. Intuitionistic Fuzzy Knapsack Problem Through the Index Matrices Prism (2023) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 13858 LNCS, pp. 314 - 326, DOI: 10.1007/978-3-031-32412-3_28, @2023 [Линк](#) 1.000
1363. Traneva V., Petrov P., Tranev S., An Elliptic Intuitionistic Fuzzy Portfolio Selection Problem based on Knapsack Problem, Communication Papers of the 18th Conference on Computer Science and Intelligence Systems, M. Ganzha, L. Maciaszek, M. Paprzycki, D. Ślęzak (eds). ACSIS, Vol. 37, pages 335–342 (2023), @2023 [Линк](#) 1.000
1364. Liu, Y. et al. (2024). Ant-Intuition Optimizer with Similarity Information for Multidimensional Knapsack Problem. In: Tan, Y., Shi, Y. (eds) Data Mining and Big Data. DMBD 2023. Communications in Computer and Information Science, vol 2017. Springer, Singapore. 243-255. https://doi.org/10.1007/978-981-97-0837-6_17, @2024 [Линк](#) 1.000

138. Roeva O., **Fidanova S.**, Ganzha M.. InterCriteria Analysis of the Evaporation Parameter Influence on Ant Colony Optimization Algorithm: A Workforce Planning Problem. Studies in Computational Intelligence, 920, Springer, 2021, ISBN:978-3-030-58883-0, ISSN:1860-949X, DOI:10.1007/978-3-030-58884-7, 89-109. SJR (Scopus):0.237

Цитирани са:

1365. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция "Информатика" Annual of "Informatics" Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000

139. Matrenin P, Myasnichenko V., Sdobnyakov N., Sokolov D., **Fidanova S.**, Kirilov L., Mikhov R.. Generalized Swarm Intelligence Algorithms with Domain-Specific Heuristics. IAES International Journal of Artificial Intelligence, 10, 1, 2021, ISSN:2089-4872, DOI:10.11591/ijai.v10.i1.pp157-165, 157-165. SJR (Scopus):0.12

Цитирани са:

1366. Jabbar, A.M., Ku-Mahamud, K.R., Grey wolf optimization algorithm for hierarchical document clustering (2021) Indonesian Journal of Electrical Engineering and Computer Science, 24 (3), pp. 1744-1758. IF 1.29, @2021 [Линк](#) 1.000
1367. Jawad M.M., Younis M.T., Sadiq A.T., Solving flexible job-shop scheduling problem using harmony search-based meerkat clan algorithm (2022) IAES International Journal of Artificial Intelligence, 11 (2), pp. 423 - 431, DOI: 10.11591/ijai.v11.i2.pp423-431, @2022 [Линк](#) 1.000
1368. Masrom S., Rahman R.A., Mohamad M., Rahman A.S.A., Baharun N., Machine learning of tax avoidance detection based on hybrid metaheuristics algorithms (2022) IAES International Journal of Artificial Intelligence, 11 (3), pp. 1153 - 1163, DOI: 10.11591/ijai.v11.i3.pp1153-1163, @2022 [Линк](#) 1.000
1369. S. A. Eroshenko, "Application of a Risk-Based Approach and Deep Convolutional Neural Networks to Determine the Set of Flight Points in the Diagnostics and Design of Electrical Facilities, " 2022 IEEE International Multi-Conference on Engineering, Computer and Information Sciences (SIBIRCON), Yekaterinburg, Russian Federation, 2022, pp. 780-784, doi: 10.1109/SIBIRCON56155.2022.10016977., @2022 [Линк](#) 1.000
1370. Y. Song and X. Wei, "Construction of English APP Self-learning Platform Based on Swarm Intelligence Algorithm, " 2022 International Conference on Artificial Intelligence of Things and Crowdsensing (AloTCs), Nicosia, Cyprus, 2022, pp. 180-184, doi: 10.1109/AloTCs58181.2022.00034., @2022 [Линк](#) 1.000
1371. Lachtar, N., Driss, I. (2023). Application of ant colony optimization for job shop scheduling in the pharmaceutical industry. Journal Européen des Systèmes Automatisés, Vol. 56, No. 5, pp. 713-723., @2023 [Линк](#) 1.000
1372. Choudhury, D., & Acharjee, T. (2024). A novel particle swarm optimization-based intelligence link prediction algorithm in real world networks. Bulletin of Electrical Engineering and Informatics, 13(3), ISSN:2089-3191, 1980-1990., @2024 [Линк](#) 1.000
140. Adasiewicz, R., Ganzha, M., Paprzycki, M., Ivanovic, M., Badica, C., Lirkov, I., Fidanova, S., Harizanov, S. Optimal Placement of Internet of Things Infrastructure in a Smart Building. Lecture Notes in Networks and Systems, 166, Springer, 2021, ISSN:23673370, DOI:10.1007/978-981-15-9689-6_73, 661-669. SJR (Scopus):0.151
- Цитира се в:
1373. Jiang, S., Zhao, C., Zhu, Y., Wang, C., Du, Y., A Practical and Economical Ultra-wideband Base Station Placement Approach for Indoor Autonomous Driving Systems, Journal of Advanced Transportation : Transitions Towards Electrification, Automation, and Shared Mobility for Urban Transport, Article ID 3815306, 2022, https://doi.org/10.1155/2022/3815306, @2022 [Линк](#) 1.000

2022

141. Fidanova S., Zhivkov P., Roeva O.. InterCriteria Analysis Applied on Air Pollution Influence on Morbidity. Mathematics, 10, 7, MDPI, 2022, ISSN:2227-7390, DOI:10.3390/math10071195, 1195. JCR-IF (Web of Science):2.258
- Цитира се в:
1374. Todorov V., Dimov I., Innovative Digital Stochastic Methods for Multidimensional Sensitivity Analysis in Air Pollution Modelling (2022) Mathematics, 10 (12), art. no. 2146, DOI: 10.3390/math10122146. IF 2.258, @2022 [Линк](#) 1.000
1375. Dimov I, Todorov V, Georgiev S. A Super-Convergent Stochastic Method Based on the Sobol Sequence for Multidimensional Sensitivity Analysis in Environmental Protection. Axioms. 2023; 12(2):146., IF 1, 824, @2023 [Линк](#) 1.000
1376. Todorov, V.; Georgiev, S.; Georgiev, I.; Zaharieva, S.; Dimov, I. Optimizing Air Pollution Modeling with a Highly-Convergent Quasi-Monte Carlo Method: A Case Study on the UNI-DEM Framework. Mathematics 2023, 11, 2919. https://doi.org/10.3390/math11132919, @2023 [Линк](#) 1.000
1377. Vassilev P., Todorova L., Popov E., Georgieva R. Slavov Ch., Atanasov K., TWO NEW MODIFICATIONS OF THE INTERCRITERIA ANALYSIS, Proceedings of the Bulgarian Academy of Sciences, Vol 76(1), 2023, 23-34. DOI: https://doi.org/10.7546/CRABS.2023.01.03 , IF 0.329, @2023 [Линк](#) 1.000
1378. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция "Информатика" Annual of "Informatics" Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000
142. Fidanova S., Ganzha M., Roeva O.. Hybrid Ant Colony Optimization Algorithms – Behaviour Investigation Based on Intuitionistic Fuzzy Logic. Studies in Computational Intelligence, 1044, Springer, 2022, ISBN:978-3-031-06838-6, ISSN:1860-949X, DOI:10.1007/978-3-031-06839-3_3, 39-60. SJR (Scopus):0.237
- Цитира се в:
1379. J. Wang, "Intelligent Course Scheduling System for College Nursing Teaching Based on Ant Colony Optimization Algorithms, " 2023 3rd Asian Conference on Innovation in Technology (ASIANCON), Ravet IN, India, 2023, pp. 1-6, doi: 10.1109/ASIANCON58793.2023.10269835., @2023 [Линк](#) 1.000
1380. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция "Информатика" Annual of "Informatics" Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) 1.000

143. Saad E., Paprzycki M., Ganzha M., Bădică A., Bădică C., **Fidanova S.**, Lirkov I., Ivanovic M.. Generalized Zero-shot Learning for Image Classification – comparing performance of popular approaches. Information, 13, 12, MDPI, 2022, ISSN:2078-2489, DOI:10.3390/info13120561, 561. SJR (Scopus):0.624, JCR-IF (Web of Science):0.62

Цитира се в:

1381. Sevani N., PENGGUNAAN BOBOT DAN JARAK DALAM FEATURETRANSFER LEARNING UNTUK KLASIFIKASI GAMBAR , PhD thesis, **1.000** FAKULTAS ILMU KOMPUTER PROGRAM DOKTOR ILMU KOMPUTER DEPOK 2023, Indonesia, @2023 [Линк](#)
1382. Wang G., S. Tang, Generalized Zero-Shot Image Classification via Partially-Shared Multi-Task Representation Learning , Electronics 2023, **1.000** 12(9), 2085; <https://doi.org/10.3390/electronics12092085>, IF 2.690, @2023 [Линк](#)

144. Bădică, A., Bădică, C., Bolanowski, M., **Fidanova, S.**, Ganzha, M., Harizanov, S., Ivanovic, M., Lirkov, I., Paprzycki, M., Paszkiewicz, A., Tomczyk, K. Cascaded Anomaly Detection with Coarse Sampling in Distributed Systems. In: Sachdeva, S., Watanobe, Y., Bhalla, S. (eds) Big-Data-Analytics in Astronomy, Science, and Engineering. BDA 2021. Lecture Notes in Computer Science, 13167, Springer, 2022, ISBN:978-3-030-96599-0, ISSN:03029743, DOI:10.1007/978-3-030-96600-3_13, 181-200. SJR (Scopus):0.32

Цитира се в:

1383. Wang L., Jiang Y.-X., Li Q.-S., Huo Q.-E., Wang Z., Xie S.-L., Dai J., A Review of Microservice Fault Detection [微服务故障检测研究综述], (2023) Jisuanji Xuebao/Chinese Journal of Computers, 46 (11), pp. 2342 - 2369, DOI: 10.11897/SP.J.1016.2023.02342, @2023 [Линк](#) **1.000**

145. **Fidanova S.**, Roeva O., Ganzha M.. Ant Colony Optimization Algorithm for Fuzzy Transport Modelling: InterCriteria Analysis. Studies in Computational Intelligence, 986, Springer, 2022, ISBN:978-3-030-82396-2, ISSN:1860-949X, DOI:DOI https://doi.org/10.1007/978-3-030-82397-9_6, 123-137. SJR (Scopus):0.237

Цитира се в:

1384. Стела Тодорова С. (2023) Обзор върху публикациите по индексирани матрици, Годишник на секция "Информатика" Annual of "Informatics" Section, Съюз на учените в България Union of Scientists in Bulgaria, Том XII, 2022-2023, 32-62 Volume XII, 2022-2023, 32-62, @2023 [Линк](#) **1.000**

146. **Mikhov, R.**, Myasnichenko, V., **Kirilov, L.**, Sdobnyakov, N., Matrenin, P., Sokolov, D., **Fidanova, S.** On the Problem of Bimetallic Nanostructures Optimization: An Extended Two-Stage Monte Carlo Approach. Studies in Computational Intelligence, 986, Springer, 2022, ISBN:978-3-030-82396-2, ISSN:1860-949X, DOI:https://doi.org/10.1007/978-3-030-82397-9_12, 235-250. SJR (Scopus):0.237

Цитира се в:

1385. Todorov, V. (2022). An Overview of Lattice and Adaptive Approaches for Multidimensional Integrals. In: Fidanova, S. (eds) Recent Advances in Computational Optimization. WCO 2021. Studies in Computational Intelligence, vol 1044. 333-338, Springer, Cham. 2022, https://doi.org/10.1007/978-3-031-06839-3_19, @2022 [Линк](#) **1.000**
1386. Todorov, V., Dimov, I., Georgieva, R. (2022). Advanced Biased Stochastic Approach for Solving Fredholm Integral Equations. In: Fidanova, S. (eds) Recent Advances in Computational Optimization. WCO 2021. Studies in Computational Intelligence, vol 1044. Springer, Cham. https://doi.org/10.1007/978-3-031-06839-3_20, @2022 [Линк](#) **1.000**
1387. Rapetti D., Roncaglia C., Ferrando R., Optimizing the Shape and Chemical Ordering of Nanoalloys with Specialized Walkers (2023) Advanced Theory and Simulations, DOI: 10.1002/adts.202300268, @2023 [Линк](#) **1.000**