# Chao Gao

## List of Publications by Year
in descending order

218
papers

10,764
citations

136950

32
h-index

37204

96
g-index

225
all docs

225
docs citations

225
times ranked

11672
citing authors

| # | Article | IF | Citations |
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| 1 | Estimating the sample mean and standard deviation from the sample size, median, range and/or interquartile range. BMC Medical Research Methodology, 2014, 14, 135. | 3.1 | 5,713 |
| 2 | Optimally estimating the sample mean from the sample size, median, mid-range, and/or mid-quartile range. Statistical Methods in Medical Research, 2018, 27, 1785-1805. | 1.5 | 1,687 |
| 3 | What are the underlying transmission patterns of COVID-19 outbreak? An age-specific social contact characterization. EClinicalMedicine, 2020, 22, 100354. | 7.1 | 118 |
| 4 | Hybrid &lt;inline-formula&gt; &lt;tex-math notation="LaTeX"&gt;$k$ &lt;/tex-math&gt; &lt;/inline-formula&gt;-Nearest Neighbor Classifier. IEEE Transactions on Cybernetics, 2016, 46, 1263-1275. | 9.5 | 101 |
| 5 | Modeling and Restraining Mobile Virus Propagation. IEEE Transactions on Mobile Computing, 2013, 12, 529-541. | 5.8 | 91 |
| 6 | Adaptive image segmentation with distributed behavior-based agents. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 544-551. | 13.9 | 89 |
| 7 | A novel computer virus propagation model and its dynamics. International Journal of Computer Mathematics, 2012, 89, 2307-2314. | 1.8 | 81 |
| 8 | Network-Based Modeling for Characterizing Human Collective Behaviors During Extreme Events. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 171-183. | 9.3 | 80 |
| 9 | Network immunization and virus propagation in email networks: experimental evaluation and analysis. Knowledge and Information Systems, 2011, 27, 253-279. | 3.2 | 74 |
| 10 | Solving NP-Hard Problems with &lt;italic&gt;Physarum&lt;/italic&gt;-Based Ant Colony System. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2017, 14, 108-120. | 3.0 | 66 |
| 11 | Agent-based load balancing on homogeneous minigrids: macroscopic modeling and characterization. IEEE Transactions on Parallel and Distributed Systems, 2005, 16, 586-598. | 5.6 | 61 |
| 12 | Characterizing web usage regularities with information foraging agents. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 566-584. | 5.7 | 60 |
| 13 | Double Selection Based Semi-Supervised Clustering Ensemble for Tumor Clustering from Gene Expression Profiles. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 727-740. | 3.0 | 60 |
| 14 | Using FCMC, FVS, and PCA Techniques for Feature Extraction of Multispectral Images. IEEE Geoscience and Remote Sensing Letters, 2005, 2, 108-112. | 3.1 | 58 |
| 15 | Particle Competition and Cooperation in Networks for Semi-Supervised Learning. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 1686-1698. | 5.7 | 56 |
| 16 | AmphiHex-I: Locomotory Performance in Amphibious Environments With Specially Designed Transformable Flipper Legs. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1720-1731. | 5.8 | 55 |
| 17 | Reasoning human emotional responses from large-scale social and public media. Applied Mathematics and Computation, 2017, 310, 182-193. | 2.2 | 54 |
| 18 | Evolutionary Markov Dynamics for Network Community Detection. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 1206-1220. | 5.7 | 52 |

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| 19 | Network Immunization with Distributed Autonomy-Oriented Entities. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1222-1229. | 5.6 | 50 |
| 20 | Even central users do not always drive information diffusion. Communications of the ACM, 2019, 62, 61-67. | 4.5 | 49 |
| 21 | Does being multi-headed make you better at solving problems? A survey of Physarum-based models and computations. Physics of Life Reviews, 2019, 29, 1-26. | 2.8 | 48 |
| 22 | Dynamic Robustness Analysis of a Two-Layer Rail Transit Network Model. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6509-6524. | 8.0 | 48 |
| 23 | Adaptive Ensembling of Semi-Supervised Clustering Solutions. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1577-1590. | 5.7 | 47 |
| 24 | Semi-Supervised Ensemble Clustering Based on Selected Constraint Projection. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 2394-2407. | 5.7 | 46 |
| 25 | The Wisdom Web: New Challenges for Web Intelligence (WI). Journal of Intelligent Information Systems, 2003, 20, 5-9. | 3.9 | 45 |
| 26 | Speeding up K-Means Algorithm by GPUs. , 2010, , . | | 42 |
| 27 | Extended Latent Class Models for Collaborative Recommendation. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2004, 34, 143-148. | 2.9 | 41 |
| 28 | On the Spectral Characterization and Scalable Mining of Network Communities. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 326-337. | 5.7 | 40 |
| 29 | PR-Index: Using the h-Index and PageRank for Determining True Impact. PLoS ONE, 2016, 11, e0161755. | 2.5 | 39 |
| 30 | Network Community Detection Based on the &lt;italic&gt;Physarum&lt;/italic&gt;-Inspired Computational Framework. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 1916-1928. | 3.0 | 38 |
| 31 | Inferring the Spatio-temporal Patterns of Dengue Transmission from Surveillance Data in Guangzhou, China. PLoS Neglected Tropical Diseases, 2016, 10, e0004633. | 3.0 | 37 |
| 32 | A Hybrid Algorithm for Estimating Origin-Destination Flows. IEEE Access, 2018, 6, 677-687. | 4.2 | 35 |
| 33 | A universal optimization strategy for ant colony optimization algorithms based on the Physarum-inspired mathematical model. Bioinspiration and Biomimetics, 2014, 9, 036006. | 2.9 | 32 |
| 34 | Inverse reinforcement learning for intelligent mechanical ventilation and sedative dosing in intensive care units. BMC Medical Informatics and Decision Making, 2019, 19, 57. | 3.0 | 32 |
| 35 | Culture versus Policy: More Global Collaboration to Effectively Combat COVID-19. Innovation(China), 2020, 1, 100023. | 9.1 | 32 |
| 36 | Locating Multi-Sources in Social Networks With a Low Infection Rate. IEEE Transactions on Network Science and Engineering, 2022, 9, 1853-1865. | 6.4 | 32 |

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|---|---------|-----|-----------|
| 37 | EFFECTS OF LANGMUIR KINETICS ON TWO-LANE TOTALLY ASYMMETRIC EXCLUSION PROCESSES OF MOLECULAR MOTOR TRAFFIC. International Journal of Modern Physics C, 2007, 18, 1483-1496. | 1.7 | 31 |
| 38 | A New Evolutionary Multiobjective Model for Traveling Salesman Problem. IEEE Access, 2019, 7, 66964-66979. | 4.2 | 30 |
| 39 | A Novel Representation Learning for Dynamic Graphs Based on Graph Convolutional Networks. IEEE Transactions on Cybernetics, 2023, 53, 3599-3612. | 9.5 | 30 |
| 40 | Piecewise-constant and low-rank approximation for identification of recurrent copy number variations. Bioinformatics, 2014, 30, 1943-1949. | 4.1 | 29 |
| 41 | A Physarum-inspired optimization algorithm for load-shedding problem. Applied Soft Computing Journal, 2017, 61, 239-255. | 7.2 | 28 |
| 42 | DeepDRIM: a deep neural network to reconstruct cell-type-specific gene regulatory network using single-cell RNA-seq data. Briefings in Bioinformatics, 2021, 22, . | 6.5 | 28 |
| 43 | A new multi-agent system to simulate the foraging behaviors of Physarum. Natural Computing, 2017, 16, 15-29. | 3.0 | 27 |
| 44 | A Rapid Source Localization Method in the Early Stage of Large-scale Network Propagation. , 2022, , . |  | 27 |
| 45 | A hybrid strategy for network immunization. Chaos, Solitons and Fractals, 2018, 106, 214-219. | 5.1 | 26 |
| 46 | Autonomy-Oriented Computing (AOC): The Nature and Implications of a Paradigm for Self-Organized Computing. , 2008, , . |  | 25 |
| 47 | Malaria transmission modelling: a network perspective. Infectious Diseases of Poverty, 2012, 1, 11. | 3.7 | 25 |
| 48 | Network-based transportation system analysis: A case study in a mountain city. Chaos, Solitons and Fractals, 2018, 107, 256-265. | 5.1 | 25 |
| 49 | Multiobjective discrete particle swarm optimization for community detection in dynamic networks. Europhysics Letters, 2018, 122, 28001. | 2.0 | 25 |
| 50 | An evolutionary autoencoder for dynamic community detection. Science China Information Sciences, 2020, 63, 1. | 4.3 | 25 |
| 51 | Community detection in temporal networks via a spreading process. Europhysics Letters, 2019, 126, 48001. | 2.0 | 24 |
| 52 | Inferring Plasmodium vivax Transmission Networks from Tempo-Spatial Surveillance Data. PLoS Neglected Tropical Diseases, 2014, 8, e2682. | 3.0 | 23 |
| 53 | Super-Spreader Identification Using Meta-Centrality. Scientific Reports, 2016, 6, 38994. | 3.3 | 23 |
| 54 | An autonomy-oriented computing approach to community mining in distributed and dynamic networks. Autonomous Agents and Multi-Agent Systems, 2010, 20, 123-157. | 2.1 | 22 |

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| 55 | Predicting protein function via downward random walks on a gene ontology. BMC Bioinformatics, 2015, 16, 271. | 2.6 | 22 |
| 56 | Combination methods for identifying influential nodes in networks. International Journal of Modern Physics C, 2015, 26, 1550067. | 1.7 | 21 |
| 57 | Large-Scale Affine Matrix Rank Minimization With a Novel Nonconvex Regularizer. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4661-4675. | 11.3 | 21 |
| 58 | The robustness of ecosystems to the species loss of community. Scientific Reports, 2016, 6, 35904. | 3.3 | 20 |
| 59 | Dynamic Robustness Analysis for Subway Network With Spatiotemporal Characteristic of Passenger Flow. IEEE Access, 2020, 8, 45544-45555. | 4.2 | 20 |
| 60 | Uncovering transmission patterns of COVID-19 outbreaks: A region-wide comprehensive retrospective study in Hong Kong. EClinicalMedicine, 2021, 36, 100929. | 7.1 | 20 |
| 61 | A Mini-Swarm for the Quadratic Knapsack Problem. , 2007, , . | | 19 |
| 62 | Deep Inverse Reinforcement Learning for Sepsis Treatment. , 2019, , . | | 18 |
| 63 | Assessing temporal–spatial characteristics of urban travel behaviors from multiday smart-card data. Physica A: Statistical Mechanics and Its Applications, 2021, 576, 126058. | 2.6 | 18 |
| 64 | Community Detection in Graph: An Embedding Method. IEEE Transactions on Network Science and Engineering, 2022, 9, 689-702. | 6.4 | 18 |
| 65 | Agents in Electronic Commerce. Electronic Commerce Research, 2001, 1, 9-14. | 5.0 | 17 |
| 66 | Learning to improve medical decision making from imbalanced data without a priori cost. BMC Medical Informatics and Decision Making, 2014, 14, 111. | 3.0 | 17 |
| 67 | Towards autonomous service composition in a grid environment. , 2004, , . | | 15 |
| 68 | Inferring Epidemic Network Topology from Surveillance Data. PLoS ONE, 2014, 9, e100661. | 2.5 | 15 |
| 69 | Multi-Objective Ant Colony Optimization Based on the Physarum-Inspired Mathematical Model for Bi-Objective Traveling Salesman Problems. PLoS ONE, 2016, 11, e0146709. | 2.5 | 15 |
| 70 | Systems thinking in combating infectious diseases. Infectious Diseases of Poverty, 2017, 6, 144. | 3.7 | 15 |
| 71 | Identifying Key Opinion Leaders in Social Media via Modality-Consistent Harmonized Discriminant Embedding. IEEE Transactions on Cybernetics, 2020, 50, 717-728. | 9.5 | 15 |
| 72 | Accessing the syndemic of COVID-19 and malaria intervention in Africa. Infectious Diseases of Poverty, 2021, 10, 5. | 3.7 | 15 |

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| 73 | Basic processes of Chinese character based on cubic B-spline wavelet transform. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 1443-1448. | 13.9 | 14 |
| 74 | An Autonomy Oriented Computing (AOC) Approach to Distributed Network Community Mining. , 2007, , . | | 14 |
| 75 | Mining Spatiotemporal Diffusion Network: A New Framework of Active Surveillance Planning. IEEE Access, 2019, 7, 108458-108473. | 4.2 | 14 |
| 76 | Unifying Structural Proximity and Equivalence for Network Embedding. IEEE Access, 2019, 7, 106124-106138. | 4.2 | 14 |
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| 78 | A new genetic algorithm based on modified Physarum network model for bandwidth-delay constrained least-cost multicast routing. Natural Computing, 2017, 16, 85-98. | 3.0 | 13 |
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| 80 | Robustness Evaluation of Multipartite Complex Networks Based on Percolation Theory. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6244-6257. | 9.3 | 13 |
| 81 | Modeling and predicting the dynamics of mobile virus spread affected by human behavior. , 2011, , . | | 12 |
| 82 | Toward Effective Vaccine Deployment: A Systematic Study. Journal of Medical Systems, 2011, 35, 1153-1164. | 3.6 | 12 |
| 83 | A new uncertainty measure for belief networks with applications to optimal evidential inferencing. IEEE Transactions on Knowledge and Data Engineering, 2001, 13, 416-425. | 5.7 | 11 |
| 84 | AN EVOLUTIONARY MULTIAGENT DIFFUSION APPROACH TO OPTIMIZATION. International Journal of Pattern Recognition and Artificial Intelligence, 2002, 16, 715-733. | 1.2 | 11 |
| 85 | Modeling agent-based load balancing with time delays. , 0, , . | | 11 |
| 86 | A community clustering algorithm based on genetic algorithm with novel coding scheme. , 2014, , . | | 11 |
| 87 | A comparative study on swarm intelligence for structure learning of Bayesian networks. Soft Computing, 2017, 21, 6713-6738. | 3.6 | 11 |
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| 91 | A Physarum Network Evolution Model Based on IBTM. Lecture Notes in Computer Science, 2013, , 19-26. | 1.3 | 11 |
| 92 | Uncovering Spatiotemporal Characteristics of Human Online Behaviors during Extreme Events. PLoS ONE, 2015, 10, e0138673. | 2.5 | 11 |
| 93 | Multirelational Topic Models. , 2009, , . | | 10 |
| 94 | How to Optimize the Supply and Allocation of Medical Emergency Resources During Public Health Emergencies. Frontiers in Physics, 2020, 8, . | 2.1 | 10 |
| 95 | Optimal resource allocation with spatiotemporal transmission discovery for effective disease control. Infectious Diseases of Poverty, 2022, 11, 34. | 3.7 | 10 |
| 96 | Dynamic Resource Selection For Service Composition in The Grid. , 0, , . | | 9 |
| 97 | ON KNOWLEDGE GRID AND GRID INTELLIGENCE: A SURVEY. Computational Intelligence, 2005, 21, 111-129. | 3.2 | 9 |
| 98 | AUTONOMY-ORIENTED SOCIAL NETWORKS MODELING: DISCOVERING THE DYNAMICS OF EMERGENT STRUCTURE AND PERFORMANCE. International Journal of Pattern Recognition and Artificial Intelligence, 2007, 21, 611-638. | 1.2 | 9 |
| 99 | Dynamic Community Detection Based on a Label-Based Swarm Intelligence. IEEE Access, 2019, 7, 161641-161653. | 4.2 | 9 |
| 100 | On the Robustness of Complex Systems With Multipartitivity Structures Under Node Attacks. IEEE Transactions on Control of Network Systems, 2020, 7, 106-117. | 3.7 | 9 |
| 101 | Accelerated inexact matrix completion algorithm via closed-form q-thresholding $$(q = 1/2, 2/3)$$ operator. International Journal of Machine Learning and Cybernetics, 2020, 11, 2327-2339. | 3.6 | 9 |
| 102 | Medication Combination Prediction Using Temporal Attention Mechanism and Simple Graph Convolution. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3995-4004. | 6.3 | 9 |
| 103 | Coauthor Network Topic Models with Application to Expert Finding. , 2010, , . | | 8 |
| 104 | Inferring disease transmission networks at a metapopulation level. Health Information Science and Systems, 2014, 2, 8. | 5.2 | 8 |
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| 106 | Detecting multiple stochastic network motifs in network data. Knowledge and Information Systems, 2015, 42, 49-74. | 3.2 | 8 |
| 107 | An adaptive population control framework for ACO-based community detection. Chaos, Solitons and Fractals, 2020, 138, 109886. | 5.1 | 8 |
| 108 | On adaptive agentlets for distributed divide-and-conquer: a dynamical systems approach. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2002, 32, 214-227. | 2.9 | 7 |

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| 109 | Self-Organized Load Balancing in Proxy Servers: Algorithms and Performance. Journal of Intelligent Information Systems, 2003, 20, 31-50. | 3.9 | 7 |
| 110 | Distributed Reasoning Based on Problem Solver Markup Language (PSML) - A Demonstration through Extended OWL -. , 0, , . | | 7 |
| 111 | Graph coloring by multiagent fusion search. Journal of Combinatorial Optimization, 2009, 18, 99-123. | 1.3 | 7 |
| 112 | Discovering the Impact of Preceding Units' Characteristics on the Wait Time of Cardiac Surgery Unit from Statistic Data. PLoS ONE, 2011, 6, e21959. | 2.5 | 7 |
| 113 | Identifying key bird species and geographical hotspots of avian influenza A (H7N9) virus in China. Infectious Diseases of Poverty, 2018, 7, 97. | 3.7 | 7 |
| 114 | WAVELET ORTHONORMAL DECOMPOSITIONS FOR EXTRACTING FEATURES IN PATTERN RECOGNITION. International Journal of Pattern Recognition and Artificial Intelligence, 1999, 13, 803-831. | 1.2 | 6 |
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| 116 | A Multi-Agent Based Decentralized Algorithm for Social Network Community Mining. , 2009, , . | | 6 |
| 117 | Global Attractivity of a Family of Max-Type Difference Equations. Discrete Dynamics in Nature and Society, 2011, 2011, 1-12. | 0.9 | 6 |
| 118 | A cooperative group optimization system. Soft Computing, 2014, 18, 469-495. | 3.6 | 6 |
| 119 | Extracting sample data based on poisson distribution. , 2017, , . | | 6 |
| 120 | Inference and prediction of malaria transmission dynamics using time series data. Infectious Diseases of Poverty, 2020, 9, 95. | 3.7 | 6 |
| 121 | Clustering-Based Media Analysis for Understanding Human Emotional Reactions in an Extreme Event. Lecture Notes in Computer Science, 2012, , 125-135. | 1.3 | 6 |
| 122 | The temporal network of mobile phone users in Changchun Municipality, Northeast China. Scientific Data, 2018, 5, 180228. | 5.3 | 6 |
| 123 | A Compact Multiagent System based on Autonomy Oriented Computing. , 0, , . | | 5 |
| 124 | Stochastic Network Motif Detection in Social Media. , 2011, , . | | 5 |
| 125 | A dynamic trust network for autonomy-oriented partner finding. Journal of Intelligent Information Systems, 2011, 37, 89-118. | 3.9 | 5 |
| 126 | Modeling and Mining Spatiotemporal Social Contact of Metapopulation from Heterogeneous Data. , 2014, , . | | 5 |

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| 127 | Understanding self-organized regularities in healthcare services based on autonomy oriented modeling. Natural Computing, 2015, 14, 7-24. | 3.0 | 5 |
| 128 | An interview with Professor Raj Reddy on Web Intelligence (WI) and Computational Social Science (CSS). Web Intelligence, 2018, 16, 143-146. | 0.2 | 5 |
| 129 | Inter-urban mobility via cellular position tracking in the southeast Songliao Basin, Northeast China. Scientific Data, 2019, 6, 71. | 5.3 | 5 |
| 130 | Identifying Multiple Influential Users Based on the Overlapping Influence in Multiplex Networks. IEEE Access, 2019, 7, 156150-156159. | 4.2 | 5 |
| 131 | Motif-aware diffusion network inference. International Journal of Data Science and Analytics, 2020, 9, 375-387. | 4.1 | 5 |
| 132 | Multi-objective optimization for community detection in multilayer networks. Europhysics Letters, 2021, 135, 18001. | 2.0 | 5 |
| 133 | Unsupervised community detection in attributed networks based on mutual information maximization. New Journal of Physics, 2021, 23, 113016. | 2.9 | 5 |
| 134 | Adaptive distributed caching. , 0, , . | | 4 |
| 135 | Autonomy-Oriented Search in Dynamic Community Networks: A Case Study in Decentralized Network Immunization. Fundamenta Informaticae, 2010, 99, 207-226. | 0.4 | 4 |
| 136 | Toward understanding the optimization of complex systems. Artificial Intelligence Review, 2012, 38, 313-324. | 15.7 | 4 |
| 137 | A multi-objective ant colony optimization algorithm based on the Physarum-inspired mathematical model. , 2014, , . | | 4 |
| 138 | A Multiagent Evolutionary Method for Detecting Communities in Complex Networks. Computational Intelligence, 2016, 32, 587-614. | 3.2 | 4 |
| 139 | A novel pheromone initialization strategy of ACO algorithms for solving TSP. , 2017, , . | | 4 |
| 140 | A Novel Thresholding Algorithm for Image Deblurring Beyond Nesterovâ€™s Rule. IEEE Access, 2018, 6, 58119-58131. | 4.2 | 4 |
| 141 | A Label-Based Nature Heuristic Algorithm for Dynamic Community Detection. Lecture Notes in Computer Science, 2019, , 621-632. | 1.3 | 4 |
| 142 | Analytical and experimental results on multiagent cooperative behavior evolution. , 0, , . | | 3 |
| 143 | Evolutionary diffusion optimization. II. Performance assessment. , 0, , . | | 3 |
| 144 | Minority game strategies in dynamic multi-agent role assignment. , 0, , . | | 3 |

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| 145 | MULTIPHASE GENETIC PROGRAMMING: A CASE STUDY IN SUMO MANEUVER EVOLUTION. International Journal of Pattern Recognition and Artificial Intelligence, 2004, 18, 665-684. | 1.2 | 3 |
| 146 | Decomposing Large-Scale POMDP Via Belief State Analysis. , 0, , . | | 3 |
| 147 | A Method of Distributed Problem Solving on the Web. , 0, , . | | 3 |
| 148 | An Empirical Study on a Locality Based Heuristic in Multi-Agent Constraint Satisfaction. , 2007, , . | | 3 |
| 149 | An Autonomy-Oriented Paradigm for Self-Organized Computing. , 2009, , . | | 3 |
| 150 | A Levenberg-Marquardt Neural Network Model with Rough Set for Protecting Citrus from Frost Damage. , 2012, , . | | 3 |
| 151 | A Reconstruction Algorithm for Blade Surface Based on Less Measured Points. International Journal of Aerospace Engineering, 2015, 2015, 1-11. | 0.9 | 3 |
| 152 | A bio-inspired genetic algorithm for community mining. , 2016, , . | | 3 |
| 153 | A hybrid evolutionary algorithm for community detection. , 2017, , . | | 3 |
| 154 | Inferring infection rate based on observations in complex networks. Chaos, Solitons and Fractals, 2018, 107, 170-176. | 5.1 | 3 |
| 155 | Physarum inspires research beyond biomimetic algorithms. Physics of Life Reviews, 2019, 29, 51-54. | 2.8 | 3 |
| 156 | Simulating Transport Networks With a &lt;italic&gt;Physarum&lt;/italic&gt; Foraging Model. IEEE Access, 2019, 7, 23725-23739. | 4.2 | 3 |
| 157 | Adaptive Immunization in Dynamic Networks. Lecture Notes in Computer Science, 2011, , 673-683. | 1.3 | 3 |
| 158 | A New Multi-objective Evolution Model for Community Detection in Multi-layer Networks. Lecture Notes in Computer Science, 2019, , 197-208. | 1.3 | 3 |
| 159 | A Discrete Moth-Flame Optimization With an $l_2$-Norm Constraint for Network Clustering. IEEE Transactions on Network Science and Engineering, 2022, 9, 1776-1788. | 6.4 | 3 |
| 160 | Dynamic community detection over evolving networks based on the optimized deep graph infomax. Chaos, 2022, 32, . | 2.5 | 3 |
| 161 | Behavioral Self-Organization in Lifelike Synthetic Agents. Autonomous Agents and Multi-Agent Systems, 2002, 5, 397-428. | 2.1 | 2 |
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| 163 | Modeling and Simulating the Dynamics of Service Agent Networks. , 0, , . | | 2 |
| 164 | Multi-view Based AdaBoost Classifier Ensemble for Class Prediction from Gene Expression Profiles. , 2014, , . | | 2 |
| 165 | Global Bifurcation of a Novel Computer Virus Propagation Model. Abstract and Applied Analysis, 2014, 2014, 1-6. | 0.7 | 2 |
| 166 | Complex brain activity analysis and recognition based on multiagent methods. Concurrency Computation Practice and Experience, 2022, 34, e5855. | 2.2 | 2 |
| 167 | A Semi-supervised Multi-objective Evolutionary Algorithm for Multi-layer Network Community Detection. Lecture Notes in Computer Science, 2021, , 179-190. | 1.3 | 2 |
| 168 | A new nature-inspired optimization for community discovery in complex networks. European Physical Journal B, 2021, 94, 1. | 1.5 | 2 |
| 169 | TW-TGNN: Two Windows Graph-Based Model for Text Classification. , 2021, , . | | 2 |
| 170 | An Enhanced Particle Swarm Optimization Based on Physarum Model for Community Detection. Lecture Notes in Computer Science, 2017, , 99-108. | 1.3 | 2 |
| 171 | Data-driven behavioral analysis and applications: A case study in Changchun, China. Physica A: Statistical Mechanics and Its Applications, 2022, 596, 127164. | 2.6 | 2 |
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| 173 | DISTRIBUTED PROBLEM SOLVING WITHOUT COMMUNICATION â€" AN EXAMINATION OF COMPUTATIONALLY HARD SATISFIABILITY PROBLEMS. International Journal of Pattern Recognition and Artificial Intelligence, 2002, 16, 1041-1064. | 1.2 | 1 |
| 174 | Evolutionary diffusion optimization.I. Description of the algorithm. , 0, , . | | 1 |
| 175 | Efficiency of emergent constraint satisfaction in small-world and random agent networks. , 0, , . | | 1 |
| 176 | Resource Optimization in Heterogeneous Web Environments. , 0, , . | | 1 |
| 177 | Sub-ontology evolution for service composition with application to distributed e-learning. , 2005, , . | | 1 |
| 178 | Discovering the Dynamics in a Social Memory Network. , 2008, , . | | 1 |
| 179 | Self-Organizing Agents for Efficient Sustainable Resource Utilization. , 2012, , . | | 1 |
| 180 | Elderly Mobility and Daily Routine Analysis Based on Behavior-Aware Flow Graph Modeling. , 2015, , . | | 1 |

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| 181 | Complex social network partition for balanced subnetworks. , 2016, , . | | 1 |
| 182 | A bio-inspired method for locating the diffusion source with limited observers. , 2016, , . | | 1 |
| 183 | Adaptive noise immune cluster ensemble using affinity propagation. , 2016, , . | | 1 |
| 184 | Multi-Modal Media Retrieval via Distance Metric Learning for Potential Customer Discovery. , 2018, , . | | 1 |
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| 186 | Measuring the Diversity and Dynamics of Mobility Patterns Using Smart Card Data. Lecture Notes in Computer Science, 2018, , 438-451. | 1.3 | 1 |
| 187 | Solving Vehicle Routing Problem Through a Tabu Bee Colony-Based Genetic Algorithm. Lecture Notes in Computer Science, 2018, , 191-200. | 1.3 | 1 |
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| 190 | Identification of Critical Nodes in Urban Transportation Network Through Network Topology and Server Routes. Lecture Notes in Computer Science, 2021, , 395-407. | 1.3 | 1 |
| 191 | A Physarum-Inspired Multi-Agent System to Solve Maze. Lecture Notes in Computer Science, 2014, , 424-430. | 1.3 | 1 |
| 192 | Self-Organized Intelligence. Series in Machine Perception and Artificial Intelligence, 2001, , 123-148. | 0.1 | 1 |
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