

Ben Niu

List of Publications by Year in descending order

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98
papers

1,707
citations

393982

19
h-index

344852

36
g-index

107
all docs

107
docs citations

107
times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	MCPSO: A multi-swarm cooperative particle swarm optimizer. Applied Mathematics and Computation, 2007, 185, 1050-1062.	1.4	241
2	A variable weight-based hybrid approach for multi-attribute group decision making under interval-valued intuitionistic fuzzy sets. International Journal of Intelligent Systems, 2021, 36, 1015-1052.	3.3	104
3	Bacterial Colony Optimization. Discrete Dynamics in Nature and Society, 2012, 2012, 1-28.	0.5	89
4	Multi-objective bacterial foraging optimization. Neurocomputing, 2013, 116, 336-345.	3.5	81
5	A discrete bacterial algorithm for feature selection in classification of microarray gene expression cancer data. Knowledge-Based Systems, 2017, 126, 8-19.	4.0	81
6	The Impact of Knowledge Sharing and Innovation upon Sustainable Performance in Islamic Banks: A Mediation Analysis through an SEM Approach. Sustainability, 2019, 11, 4049.	1.6	76
7	Understanding the effect of cloud computing on organizational agility: An empirical examination. International Journal of Information Management, 2018, 43, 98-111.	10.5	73
8	Bacterial foraging based approaches to portfolio optimization with liquidity risk. Neurocomputing, 2012, 98, 90-100.	3.5	55
9	Feature selection for classification of microarray gene expression cancers using Bacterial Colony Optimization with multi-dimensional population. Swarm and Evolutionary Computation, 2019, 48, 172-181.	4.5	46
10	A survey of bacterial foraging optimization. Neurocomputing, 2021, 452, 728-746.	3.5	34
11	Aircraft parking stand allocation problem with safety consideration for independent hangar maintenance service providers. Computers and Operations Research, 2018, 91, 225-236.	2.4	32
12	A novel bacterial algorithm with randomness control for feature selection in classification. Neurocomputing, 2017, 228, 176-186.	3.5	30
13	Consumers' Motivational Involvement in eWOM for Information Adoption: The Mediating Role of Organizational Motives. Frontiers in Psychology, 2019, 10, 3055.	1.1	29
14	A hybrid approach to artificial bee colony algorithm. Neural Computing and Applications, 2016, 27, 387-409.	3.2	27
15	Learning "interaction" diversification framework for swarm intelligence optimizers: a unified perspective. Neural Computing and Applications, 2020, 32, 1789-1809.	3.2	26
16	Bacterial-inspired algorithms for solving constrained optimization problems. Neurocomputing, 2015, 148, 54-62.	3.5	24
17	Smart control of the assembly process with a fuzzy control system in the context of Industry 4.0. Advanced Engineering Informatics, 2020, 43, 101031.	4.0	24
18	An Adaptive Bacterial Foraging Optimization Algorithm with Lifecycle and Social Learning. Discrete Dynamics in Nature and Society, 2012, 2012, 1-20.	0.5	23

#	ARTICLE	IF	CITATIONS
19	Multi-objective bacterial colony optimization algorithm for integrated container terminal scheduling problem. <i>Natural Computing</i> , 2021, 20, 89-104.	1.8	22
20	Improving generalisation of genetic programming for high-dimensional symbolic regression with feature selection. , 2016, , .		20
21	A model with a solution algorithm for the operational aircraft maintenance routing problem. <i>Computers and Industrial Engineering</i> , 2018, 120, 346-359.	3.4	20
22	Cooperative bacterial foraging optimization method for multi-objective multi-echelon supply chain optimization problem. <i>Swarm and Evolutionary Computation</i> , 2019, 49, 87-101.	4.5	20
23	Symbiosis-Based Alternative Learning Multi-Swarm Particle Swarm Optimization. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2017, 14, 4-14.	1.9	19
24	Heuristic approaches for operational aircraft maintenance routing problem with maximum flying hours and man-power availability considerations. <i>Industrial Management and Data Systems</i> , 2017, 117, 2142-2170.	2.2	19
25	A multi-objective optimization method based on discrete bacterial algorithm for environmental/economic power dispatch. <i>Natural Computing</i> , 2017, 16, 549-565.	1.8	18
26	Hydrological cycling optimization-based multiobjective feature selection method for customer segmentation. <i>International Journal of Intelligent Systems</i> , 2021, 36, 2347-2366.	3.3	18
27	A Novel Bacterial Foraging Optimizer with Linear Decreasing Chemotaxis Step. , 2010, , .		17
28	Multiobjective RFID Network Optimization Using Multiobjective Evolutionary and Swarm Intelligence Approaches. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-13.	0.6	17
29	A population-based clustering technique using particle swarm optimization and k-means. <i>Natural Computing</i> , 2017, 16, 45-59.	1.8	17
30	Improved BFO with Adaptive Chemotaxis Step for Global Optimization. , 2011, , .		16
31	A multi-objective feature selection method based on bacterial foraging optimization. <i>Natural Computing</i> , 2021, 20, 63-76.	1.8	16
32	Vehicle Routing Problem with Time Windows and Simultaneous Delivery and Pick-Up Service Based on MCPSO. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-11.	0.6	15
33	A three-level particle swarm optimization with variable neighbourhood search algorithm for the production scheduling problem with mould maintenance. <i>Swarm and Evolutionary Computation</i> , 2019, 50, 100572.	4.5	14
34	Ensemble particle swarm optimization and differential evolution with alternative mutation method. <i>Natural Computing</i> , 2020, 19, 699-712.	1.8	14
35	Coevolutionary Structure-Redesigned-Based Bacterial Foraging Optimization. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 1865-1876.	1.9	13
36	Biomimicry of quorum sensing using bacterial lifecycle model. <i>BMC Bioinformatics</i> , 2013, 14, S8.	1.2	11

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37	A multi-objective pigeon inspired optimization algorithm for fuzzy production scheduling problem considering mould maintenance. <i>Science China Information Sciences</i> , 2019, 62, 1.	2.7	11
38	Bacterial Colony Optimization for Integrated Yard Truck Scheduling and Storage Allocation Problem. <i>Lecture Notes in Computer Science</i> , 2014, , 431-437.	1.0	11
39	Predictors of waste sorting and recycling behavioural intention among youths: Evidence from Shenzhen, China and Turku, Finland. <i>Waste Management and Research</i> , 2022, 40, 721-735.	2.2	10
40	A Novel PSO Model Based on Simulating Human Social Communication Behavior. <i>Discrete Dynamics in Nature and Society</i> , 2012, 2012, 1-21.	0.5	9
41	Improved Bacterial Foraging Optimization Algorithm with Information Communication Mechanism. , 2014, , .		9
42	Multi-swarm cooperative multi-objective bacterial foraging optimisation. <i>International Journal of Bio-Inspired Computation</i> , 2019, 13, 21.	0.6	9
43	Predicting Fundraising Performance in Medical Crowdfunding Campaigns Using Machine Learning. <i>Electronics (Switzerland)</i> , 2021, 10, 143.	1.8	9
44	Bacterial colony algorithm with adaptive attribute learning strategy for feature selection in classification of customers for personalized recommendation. <i>Neurocomputing</i> , 2021, 452, 747-755.	3.5	9
45	BFO with Information Communicational System Based on Different Topologies Structure. <i>Lecture Notes in Computer Science</i> , 2013, , 633-640.	1.0	9
46	Improved similarity coefficient and clustering algorithm for cell formation in cellular manufacturing systems. <i>Engineering Optimization</i> , 2020, 52, 1923-1939.	1.5	8
47	Simplified bacterial foraging optimization with quorum sensing for global optimization. <i>International Journal of Intelligent Systems</i> , 2021, 36, 2639-2679.	3.3	8
48	Evolutionary state-based novel multi-objective periodic bacterial foraging optimization algorithm for data clustering. <i>Expert Systems</i> , 2022, 39, e12812.	2.9	8
49	Quantization level based event-triggered control with measurement uncertainties. <i>Information Sciences</i> , 2022, 588, 442-456.	4.0	8
50	An superior tracking artificial bee colony for global optimization problems. , 2016, , .		7
51	Strategies for evaluating performance of flexibility in product recovery system. <i>International Journal of Production Research</i> , 2016, 54, 2895-2906.	4.9	7
52	Cooperator or supporter: how can cross-boundary Macau's Zhuhai metropolis promote regional tourism together?. <i>Asia Pacific Journal of Marketing and Logistics</i> , 2022, 34, 2207-2236.	1.8	7
53	The novel non-linear strategy of inertia weight in particle swarm optimization. , 2009, , .		6
54	Aggregation of Heterogeneously Related Information with Extended Geometric Bonferroni Mean and Its Application in Group Decision Making. <i>International Journal of Intelligent Systems</i> , 2018, 33, 487-513.	3.3	6

#	ARTICLE	IF	CITATIONS
55	Hydrologic Cycle Optimization Part II: Experiments and Real-World Application. Lecture Notes in Computer Science, 2018, , 350-358.	1.0	6
56	Nurse scheduling problem based on hydrologic cycle optimization. , 2019, , .		6
57	Identifying expertise through semantic modeling: A modified BBPSO algorithm for the reviewer assignment problem. Applied Soft Computing Journal, 2020, 94, 106483.	4.1	6
58	Aviation maintenance technician scheduling with personnel satisfaction based on interactive multi-swarm bacterial foraging optimization. International Journal of Intelligent Systems, 2022, 37, 723-747.	3.3	6
59	An Improved MCPSO with Center Communication. , 2008, , .		5
60	RFID Network Planning Based on MCPSO Alogorithm. , 2009, , .		5
61	Improved Bacterial Foraging Optimization Algorithm with Information Communication Mechanism for Nurse Scheduling. Lecture Notes in Computer Science, 2015, , 701-707.	1.0	5
62	Guided chemotaxis-based bacterial colony algorithm for three-echelon supply chain optimisation. International Journal of Computer Integrated Manufacturing, 2017, 30, 305-319.	2.9	5
63	Exploring the Novel Input Attributes Affecting eWOM. Frontiers in Psychology, 2020, 11, 2017.	1.1	5
64	Hybrid Bacterial Foraging Algorithm for Data Clustering. Lecture Notes in Computer Science, 2013, , 577-584.	1.0	5
65	Minimization of Delay and Travel Time of Yard Trucks in Container Terminals Using an Improved GA with Guidance Search. Mathematical Problems in Engineering, 2015, 2015, 1-12.	0.6	4
66	SRBFOs for Solving the Heterogeneous Fixed Fleet Vehicle Routing Problem. Lecture Notes in Computer Science, 2015, , 725-732.	1.0	4
67	Bacterial-inspired feature selection algorithm and its application in fault diagnosis of complex structures. , 2016, , .		3
68	A Cooperative Structure-Redesigned-Based Bacterial Foraging Optimization with Guided and Stochastic Movements. Lecture Notes in Computer Science, 2016, , 918-927.	1.0	3
69	Multi-criteria Recommender Systems Based on Multi-objective Hydrologic Cycle Optimization. Lecture Notes in Computer Science, 2019, , 92-102.	1.0	3
70	Simplified Bacterial Foraging optimization Based on Reverse Chemotaxis Strategy. , 2020, , .		3
71	Policy manifold generation for multi-task multi-objective optimization of energy flexible machining systems. IISE Transactions, 0, , 1-16.	1.6	3
72	Similarity coefficient-based cell formation method considering operation sequence with repeated operations. Engineering Optimization, 0, , 1-15.	1.5	3

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73	Particle Swarm Optimizations for Multi-type Vehicle Routing Problem with Time Windows. Lecture Notes in Computer Science, 2014, , 808-815.	1.0	3
74	Multicriteria recommendation based on bacterial foraging optimization. International Journal of Intelligent Systems, 2022, 37, 1618-1645.	3.3	3
75	Multi-objective Comprehensive Learning Bacterial Foraging Optimization for Portfolio Problem. Lecture Notes in Computer Science, 2017, , 69-76.	1.0	3
76	An improved differential evolution for constrained optimization with dynamic constraint-handling mechanism. , 2012, , .		2
77	Emergency Vehicle Scheduling Problem with Time Utility in Disasters. Mathematical Problems in Engineering, 2015, 2015, 1-7.	0.6	2
78	Agent-based analysis of contagion events according to sourcing locations. Scientific Reports, 2021, 11, 16032.	1.6	2
79	An adaptive hydrologic cycle optimization algorithm for numerical optimization and data clustering. International Journal of Intelligent Systems, 2022, 37, 6123-6151.	3.3	2
80	Designing Artificial Neural Networks Using MCPSO and BPSO. , 2008, , .		1
81	A Novel Data Mining Model Based on SOAP in e-Commerce. , 2009, , .		1
82	Constrained portfolio selection using multiple swarms. , 2010, , .		1
83	Control parameters self-adaptation in differential evolution based on intrinsic structure information. , 2012, , .		1
84	A novel friend recommendation service based on interaction information mining. , 2017, , .		1
85	Research on the factors affecting users' reposts in microblog. , 2017, , .		1
86	Exploiting skew-adaptive delimitation mechanism for learning expressive classification rules. Applied Intelligence, 2020, 50, 746-758.	3.3	1
87	Identifying Communication Topologies on Twitter. Electronics (Switzerland), 2021, 10, 2151.	1.8	1
88	Neighborhood Learning Bacterial Foraging Optimization for Solving Multi-objective Problems. Lecture Notes in Computer Science, 2016, , 433-440.	1.0	1
89	Bacterial Foraging Optimization Based on Multi-colony Cooperation Strategy. , 2020, , .		1
90	Feature Subset Selection Using a Self-adaptive Strategy Based Differential Evolution Method. Lecture Notes in Computer Science, 2018, , 223-232.	1.0	1

#	ARTICLE	IF	CITATIONS
91	A Novel Hybrid Bacterial Foraging Optimization Algorithm Based on Reinforcement Learning. Lecture Notes in Computer Science, 2020, , 567-578.	1.0	1
92	Configurational paths to medical crowdfunding success and failure based on a crisp-set qualitative comparative analysis. Industrial Management and Data Systems, 2022, 122, 1306-1332.	2.2	1
93	A Hybrid Evolutionary System for Designing Artificial Neural Networks. , 2008, , .		0
94	Design of RFID Base-Band Transmission Model and IP Core. , 2008, , .		0
95	The Packet Delay Characteristics Analysis of Two-Tier Polling System. , 2010, , .		0
96	A Regularization Framework for Feature Selection. , 2011, , .		0
97	Bacterial Foraging Optimization with Leader Selection Strategy for Bi-objective Optimization. Lecture Notes in Computer Science, 2021, , 523-533.	1.0	0
98	Iteration-Related Various Learning Particle Swarm Optimization for Quay Crane Scheduling Problem. Communications in Computer and Information Science, 2018, , 201-212.	0.4	0