Xuehua Zhao

List of Publications by Year
in descending order

58 papers	4,213 citations	172457 29 h-index
58 all docs	58 docs citations	58 times ranked

155660 55 g-index
1995 citing authors

#	Article	IF	Citations
1	Toward an optimal kernel extreme learning machine using a chaotic moth-flame optimization strategy with applications in medical diagnoses. Neurocomputing, 2017, 267, 69-84.	5.9	401
2	Chaos enhanced grey wolf optimization wrapped ELM for diagnosis of paraquat-poisoned patients. Computational Biology and Chemistry, 2019, 78, 481-490.	2.3	281
3	Feature selection based on improved ant colony optimization for online detection of foreign fiber in cotton. Applied Soft Computing Journal, 2014, 24, 585-596.	7.2	263
4	A balanced whale optimization algorithm for constrained engineering design problems. Applied Mathematical Modelling, 2019, 71, 45-59.	4.2	234
5	An opposition-based sine cosine approach with local search for parameter estimation of photovoltaic models. Energy Conversion and Management, 2019, 195, 927-942.	9.2	226
6	Parameters identification of photovoltaic cells and modules using diversification-enriched Harris hawks optimization with chaotic drifts. Journal of Cleaner Production, 2020, 244, 118778.	9.3	223
7	An efficient chaotic mutative moth-flame-inspired optimizer for global optimization tasks. Expert Systems With Applications, 2019, 129, 135-155.	7.6	220
8	An improved grasshopper optimization algorithm with application to financial stress prediction. Applied Mathematical Modelling, 2018, 64, 654-668.	4.2	216
9	Developing a new intelligent system for the diagnosis of tuberculous pleural effusion. Computer Methods and Programs in Biomedicine, 2018, 153, 211-225.	4.7	175
10	Orthogonally adapted Harris hawks optimization for parameter estimation of photovoltaic models. Energy, 2020, 203, 117804.	8.8	172
11	Grey wolf optimization evolving kernel extreme learning machine: Application to bankruptcy prediction. Engineering Applications of Artificial Intelligence, 2017, 63, 54-68.	8.1	154
12	An efficient double adaptive random spare reinforced whale optimization algorithm. Expert Systems With Applications, 2020, 154, 113018.	7.6	130
13	A multi-strategy enhanced sine cosine algorithm for global optimization and constrained practical engineering problems. Applied Mathematics and Computation, 2020, 369, 124872.	2.2	126
14	Dimension decided Harris hawks optimization with Gaussian mutation: Balance analysis and diversity patterns. Knowledge-Based Systems, 2021, 215, 106425.	7.1	104
15	Chaos-Induced and Mutation-Driven Schemes Boosting Salp Chains-Inspired Optimizers. IEEE Access, 2019, 7, 31243-31261.	4.2	92
16	Advanced orthogonal learning-driven multi-swarm sine cosine optimization: Framework and case studies. Expert Systems With Applications, 2020, 144, 113113.	7.6	88
17	SGOA: annealing-behaved grasshopper optimizer for global tasks. Engineering With Computers, 2022, 38, 3761-3788.	6.1	88
18	A two-stage feature selection method with its application. Computers and Electrical Engineering, 2015, 47, 114-125.	4.8	77

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19	Evaluation of Sino Foreign Cooperative Education Project Using Orthogonal Sine Cosine Optimized Kernel Extreme Learning Machine. IEEE Access, 2020, 8, 61107-61123.	4.2	72
20	Rationalized fruit fly optimization with sine cosine algorithm: A comprehensive analysis. Expert Systems With Applications, 2020, 157, 113486.	7.6	59
21	Ensemble mutation-driven salp swarm algorithm with restart mechanism: Framework and fundamental analysis. Expert Systems With Applications, 2021, 165, 113897.	7.6	59
22	Orthogonally-designed adapted grasshopper optimization: A comprehensive analysis. Expert Systems With Applications, 2020, 150, 113282.	7.6	56
23	Chaotic oppositional sine–cosine method for solving global optimization problems. Engineering With Computers, 2022, 38, 1223-1239.	6.1	53
24	Random learning gradient based optimization for efficient design of photovoltaic models. Energy Conversion and Management, 2021, 230, 113751.	9.2	53
25	Evaluation of constraint in photovoltaic models by exploiting an enhanced ant lion optimizer. Solar Energy, 2020, 211, 503-521.	6.1	43
26	Adaptive Harris hawks optimization with persistent trigonometric differences for photovoltaic model parameter extraction. Engineering Applications of Artificial Intelligence, 2022, 109, 104608.	8.1	39
27	Evolutionary shuffled frog leaping with memory pool for parameter optimization. Energy Reports, 2021, 7, 584-606.	5.1	32
28	Metaphor-free dynamic spherical evolution for parameter estimation of photovoltaic modules. Energy Reports, 2021, 7, 5175-5202.	5.1	32
29	Fault Diagnosis of Water Quality Monitoring Devices Based on Multiclass Support Vector Machines and Rule-Based Decision Trees. IEEE Access, 2018, 6, 22184-22195.	4.2	31
30	Delayed dynamic step shuffling frog-leaping algorithm for optimal design of photovoltaic models. Energy Reports, 2021, 7, 228-246.	5.1	30
31	Quantum-like mutation-induced dragonfly-inspired optimization approach. Mathematics and Computers in Simulation, 2020, 178, 259-289.	4.4	29
32	Exploratory differential ant lion-based optimization. Expert Systems With Applications, 2020, 159, 113548.	7.6	28
33	Boosted hunting-based fruit fly optimization and advances in real-world problems. Expert Systems With Applications, 2020, 159, 113502.	7.6	26
34	A bioinformatic variant fruit fly optimizer for tackling optimization problems. Knowledge-Based Systems, 2021, 213, 106704.	7.1	26
35	Microservice Based Computational Offloading Framework and Cost Efficient Task Scheduling Algorithm in Heterogeneous Fog Cloud Network. IEEE Access, 2020, 8, 56680-56694.	4.2	25
36	Learning node and edge embeddings for signed networks. Neurocomputing, 2018, 319, 42-54.	5.9	24

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37	Comparing Community Detection Algorithms in Transport Networks via Points of Interest. IEEE Access, 2018, 6, 29729-29738.	4.2	23
38	Multi-core sine cosine optimization: Methods and inclusive analysis. Expert Systems With Applications, 2021, 164, 113974.	7.6	22
39	An Efficient and Effective Automatic Recognition System for Online Recognition of Foreign Fibers in Cotton. IEEE Access, 2016, 4, 8465-8475.	4.2	20
40	Stochastic Blockmodeling and Variational Bayes Learning for Signed Network Analysis. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2026-2039.	5.7	20
41	Statistical inference for community detection in signed networks. Physical Review E, 2017, 95, 042313.	2.1	15
42	An Effective Machine Learning Approach for Identifying the Glyphosate Poisoning Status in Rats Using Blood Routine Test. IEEE Access, 2018, 6, 15653-15662.	4.2	15
43	A New Hybrid Machine Learning Approach for Prediction of Phenanthrene Toxicity on Mice. IEEE Access, 2019, 7, 138461-138472.	4.2	14
44	An enhanced Cauchy mutation grasshopper optimization with trigonometric substitution: engineering design and feature selection. Engineering With Computers, 2022, 38, 4583-4616.	6.1	13
45	Spiral Motion Enhanced Elite Whale Optimizer for Global Tasks. Complexity, 2021, 2021, 1-33.	1.6	11
46	A New Evolutionary Machine Learning Approach for Identifying Pyrene Induced Hepatotoxicity and Renal Dysfunction in Rats. IEEE Access, 2019, 7, 15320-15329.	4.2	9
47	Semi-supervised stochastic blockmodel for structure analysis of signed networks. Knowledge-Based Systems, 2020, 195, 105714.	7.1	9
48	Elite dominance scheme ingrained adaptive salp swarm algorithm: a comprehensive study. Engineering With Computers, 0, , 1.	6.1	9
49	On characterizing and computing the diversity of hyperlinks for anti-spamming page ranking. Knowledge-Based Systems, 2015, 77, 56-67.	7.1	8
50	Sparse Data-Based Urban Road Travel Speed Prediction Using Probabilistic Principal Component Analysis. IEEE Access, 2018, 6, 44022-44035.	4.2	8
51	Efficient detection method for foreign fibers in cotton. Information Processing in Agriculture, 2018, 5, 320-328.	4.1	8
52	Feature Selection Based on Ant Colony Optimization for Cotton Foreign Fiber. Sensor Letters, 2011, 9, 1242-1248.	0.4	6
53	Network modelling and variational Bayesian inference for structure analysis of signed networks. Applied Mathematical Modelling, 2018, 61, 237-254.	4.2	5
54	Sentinel surveillance of traffic conditions with multilayer network. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3123-3131.	4.9	5

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55	Community detection for proximity alignment. Integrated Computer-Aided Engineering, 2014, 21, 59-76.	4.6	4
56	Mining the Relationship between Spatial Mobility Patterns and POIs. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	1.2	2
57	Block Modelling and Learning for Structure Analysis of Networks with Positive and Negative Links. Lecture Notes in Computer Science, 2018, , 396-402.	1.3	0
58	Binary particle swarm optimisation and the extreme learning machine for diagnosing paraquat-poisoned patients. International Journal of Automation and Control, 2021, 15, 427.	0.5	0