

# Xiao-Zhi Gao

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,192  
citations

279701

23  
h-index

233338

45  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1827  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new bio-inspired optimisation algorithm: Bird Swarm Algorithm. Journal of Experimental and Theoretical Artificial Intelligence, 2016, 28, 673-687.	1.8	335
2	An Enhanced MSIQDE Algorithm With Novel Multiple Strategies for Global Optimization Problems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1578-1587.	5.9	275
3	A novel bat algorithm with habitat selection and Doppler effect in echoes for optimization. Expert Systems With Applications, 2015, 42, 6350-6364.	4.4	183
4	A Fast Hybrid Feature Selection Based on Correlation-Guided Clustering and Particle Swarm Optimization for High-Dimensional Data. IEEE Transactions on Cybernetics, 2022, 52, 9573-9586.	6.2	120
5	A Self-Organizing Multiobjective Evolutionary Algorithm. IEEE Transactions on Evolutionary Computation, 2016, 20, 792-806.	7.5	113
6	DEMNET: A Deep Learning Model for Early Diagnosis of Alzheimer Diseases and Dementia From MR Images. IEEE Access, 2021, 9, 90319-90329.	2.6	110
7	MPPCEDE: Multi-population parallel co-evolutionary differential evolution for parameter optimization. Energy Conversion and Management, 2021, 228, 113661.	4.4	88
8	A Framework for Hate Speech Detection Using Deep Convolutional Neural Network. IEEE Access, 2020, 8, 204951-204962.	2.6	87
9	A hybrid quantum-induced swarm intelligence clustering for the urban trip recommendation in smart city. Future Generation Computer Systems, 2018, 83, 653-673.	4.9	64
10	Plant Species Recognition Using Morphological Features and Adaptive Boosting Methodology. IEEE Access, 2019, 7, 163912-163918.	2.6	58
11	A hybrid optimization method of harmony search and opposition-based learning. Engineering Optimization, 2012, 44, 895-914.	1.5	52
12	Self-organizing multiobjective optimization based on decomposition with neighborhood ensemble. Neurocomputing, 2016, 173, 1868-1884.	3.5	47
13	Recent Studies on Chicken Swarm Optimization algorithm: a review (2014-2018). Artificial Intelligence Review, 2020, 53, 1737-1765.	9.7	47
14	Power prediction in mobile communication systems using an optimal neural-network structure. IEEE Transactions on Neural Networks, 1997, 8, 1446-1455.	4.8	44
15	Fusion of Handcrafted and Deep Features for Forgery Detection in Digital Images. IEEE Access, 2021, 9, 99742-99755.	2.6	37
16	Image Encryption and Authentication With Elliptic Curve Cryptography and Multidimensional Chaotic Maps. IEEE Access, 2021, 9, 76191-76204.	2.6	33
17	Genetic Algorithm Training of Elman Neural Network in Motor Fault Detection. Neural Computing and Applications, 2002, 11, 37-44.	3.2	32
18	A New Teaching-based Learning-based Chicken Swarm Optimization Algorithm. Soft Computing, 2020, 24, 5313-5331.	2.1	32

#	ARTICLE	IF	CITATIONS
19	Fusion of clonal selection algorithm and differential evolution method in training cascade“correlation neural network. <i>Neurocomputing</i> , 2009, 72, 2483-2490.	3.5	31
20	Optimizing frequencies of skew composite laminates with metaheuristic algorithms. <i>Engineering With Computers</i> , 2020, 36, 741-761.	3.5	30
21	fuzzy PID control synthesis for Takagi“Sugeno fuzzy systems. <i>IET Control Theory and Applications</i> , 2016, 10, 607-616.	1.2	27
22	A Hybrid Multi-Objective Chicken Swarm Optimization and Teaching Learning Based Algorithm for Charging Station Placement Problem. <i>IEEE Access</i> , 2020, , 1-1.	2.6	25
23	Plant Recognition Using Morphological Feature Extraction and Transfer Learning over SVM and AdaBoost. <i>Symmetry</i> , 2021, 13, 356.	1.1	24
24	<i>Q</i>-Learning-Based Hyperheuristic Evolutionary Algorithm for Dynamic Task Allocation of Crowdsensing. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 2211-2224.	6.2	24
25	Comparison of NSGA-II, MOALO and MODA for Multi-Objective Optimization of Micro-Machining Processes. <i>Materials</i> , 2021, 14, 5109.	1.3	21
26	A Robust Two-Stage Planning Model for the Charging Station Placement Problem Considering Road Traffic Uncertainty. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 6571-6585.	4.7	20
27	A clustering based multiobjective evolutionary algorithm. , 2014, , .		19
28	A hybrid PBIL-based harmony search method. <i>Neural Computing and Applications</i> , 2012, 21, 1071-1083.	3.2	18
29	Analysis of stability and robust stability of polynomial fuzzy model-based control systems using a sum-of-squares approach. <i>Soft Computing</i> , 2014, 18, 433-442.	2.1	18
30	Motor fault diagnosis using negative selection algorithm. <i>Neural Computing and Applications</i> , 2014, 25, 55-65.	3.2	15
31	Clonal optimization-based negative selection algorithm with applications in motor fault detection. <i>Neural Computing and Applications</i> , 2009, 18, 719-729.	3.2	14
32	Temporal difference method-based multi-step ahead prediction of long term deep fading in mobile networks. <i>Computer Communications</i> , 2002, 25, 1477-1486.	3.1	12
33	An affinity propagation-based multiobjective evolutionary algorithm for selecting optimal aiming points of missiles. <i>Soft Computing</i> , 2017, 21, 3013-3031.	2.1	12
34	A Stable Lightweight and Adaptive Feature Enhanced Convolution Neural Network for Efficient Railway Transit Object Detection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 17952-17965.	4.7	12
35	Acceleration signal estimation using neural networks. <i>Measurement Science and Technology</i> , 2001, 12, 1611-1619.	1.4	11
36	A New Harmony Search method in optimal wind generator design. , 2010, , .		11

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37	Performance Analysis of Radial Basis Function Metamodels for Predictive Modelling of Laminated Composites. <i>Materials</i> , 2021, 14, 3306.	1.3	11
38	Optimization of Process Parameters for Friction Materials Using Multi-Criteria Decision Making: A Comparative Analysis. <i>Processes</i> , 2021, 9, 1570.	1.3	10
39	A hybrid optimization method of Particle Swarm Optimization and Cultural Algorithm. , 2010, , .		9
40	A novel global Harmony Search method based on Ant Colony Optimisation algorithm. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2016, 28, 215-238.	1.8	9
41	Prediction of Charging Demand of Electric City Buses of Helsinki, Finland by Random Forest. <i>Energies</i> , 2022, 15, 3679.	1.6	8
42	New delay-dependent robust stability and stabilization for uncertain T-S fuzzy time-delay systems under imperfect premise matching. <i>Journal of Central South University</i> , 2012, 19, 3415-3423.	1.2	7
43	A hybrid ant lion optimization chicken swarm optimization algorithm for charger placement problem. <i>Complex &amp; Intelligent Systems</i> , 2022, 8, 2791-2808.	4.0	7
44	Theory and applications of artificial immune systems. <i>Neural Computing and Applications</i> , 2010, 19, 1101-1102.	3.2	6
45	BP Neural Networks with Harmony Search Method-based Training for Epileptic EEG Signal Classification. , 2012, , .		5
46	Objective-Constraint Mutual-Guided Surrogate-Based Particle Swarm Optimization for Expensive Constrained Multimodal Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2023, 27, 908-922.	7.5	4
47	A cultural particle swarm optimization algorithm. , 2010, , .		3
48	Cloud based cyber-physical systems in the design of next-generation digital systems. <i>Intelligent Automation and Soft Computing</i> , 2017, 23, 475-476.	1.6	3
49	Improved delay-dependent stability analysis for uncertain T-S fuzzy systems with time-varying delay. , 2015, , .		2
50	Impacts of Human Robot Proxemics on Human Concentration-Training Games with Humanoid Robots. <i>Healthcare (Switzerland)</i> , 2021, 9, 894.	1.0	2
51	Optimal Control in Reducing Rotor Vibrations. <i>Journal of System Design and Dynamics</i> , 2011, 5, 841-855.	0.3	1
52	A Modified PSO Method Based on Cultural Algorithm and Quantum Computing. , 2012, , .		1
53	A Niching Harmony Search Method for Multi-modal Optimization. , 2012, , .		1
54	Soft Computational Approaches for Prediction and Estimation of Software Development. <i>Scientific World Journal, The</i> , 2016, 2016, 1-2.	0.8	1

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55	Flexible Ultra-Wide Electro-Optic Frequency Combs for a High-Capacity Tunable 5G+ Millimeter-Wave Frequency Synthesizer. Applied Sciences (Switzerland), 2021, 11, 10742.	1.3	1
56	New Delay-dependent Robust Stability for T-S Fuzzy Systems with Interval Time-varying Delay. , 2012, , .		0
57	Stabilization of distributed parameter Hopfield neural networks based on operator spectral theory. , 2016, , .		0
58	Existence and stability of periodic solutions for parabolic competition systems. , 2016, , .		0
59	2A31 Optimal Control in Reducing Rotor Vibrations. The Proceedings of the Symposium on the Motion and Vibration Control, 2010, 2010, _2A31-1_- _2A31-14_.	0.0	0