Mengjie Zhang

List of Publications by Year
in descending order

70 papers	3,334 citations	218677 26 h-index	149698 56 g-index
72 all docs	72 docs citations	72 times ranked	1736 citing authors

#	Article	IF	Citations
1	Automatically Designing CNN Architectures Using the Genetic Algorithm for Image Classification. IEEE Transactions on Cybernetics, 2020, 50, 3840-3854.	9.5	473
2	Evolving Deep Convolutional Neural Networks for Image Classification. IEEE Transactions on Evolutionary Computation, 2020, 24, 394-407.	10.0	409
3	Completely Automated CNN Architecture Design Based on Blocks. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1242-1254.	11.3	188
4	Variable-Length Particle Swarm Optimization for Feature Selection on High-Dimensional Classification. IEEE Transactions on Evolutionary Computation, 2019, 23, 473-487.	10.0	177
5	A survey on evolutionary machine learning. Journal of the Royal Society of New Zealand, 2019, 49, 205-228.	1.9	159
6	Surrogate-Assisted Evolutionary Deep Learning Using an End-to-End Random Forest-Based Performance Predictor. IEEE Transactions on Evolutionary Computation, 2020, 24, 350-364.	10.0	150
7	Evolving Scheduling Heuristics via Genetic Programming With Feature Selection in Dynamic Flexible Job-Shop Scheduling. IEEE Transactions on Cybernetics, 2021, 51, 1797-1811.	9.5	120
8	A Particle Swarm Optimization-Based Flexible Convolutional Autoencoder for Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2295-2309.	11.3	107
9	Surrogate-Assisted Evolutionary Multitask Genetic Programming for Dynamic Flexible Job Shop Scheduling. IEEE Transactions on Evolutionary Computation, 2021, 25, 651-665.	10.0	99
10	Improved binary particle swarm optimization for feature selection with new initialization and search space reduction strategies. Applied Soft Computing Journal, 2021, 106, 107302.	7.2	92
11	A New Two-Stage Evolutionary Algorithm for Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 748-761.	10.0	90
12	A New Binary Particle Swarm Optimization Approach: Momentum and Dynamic Balance Between Exploration and Exploitation. IEEE Transactions on Cybernetics, 2021, 51, 589-603.	9.5	69
13	Multiple Reference Points-Based Decomposition for Multiobjective Feature Selection in Classification: Static and Dynamic Mechanisms. IEEE Transactions on Evolutionary Computation, 2020, 24, 170-184.	10.0	68
14	A Duplication Analysis-Based Evolutionary Algorithm for Biobjective Feature Selection. IEEE Transactions on Evolutionary Computation, 2021, 25, 205-218.	10.0	62
15	Multiobjective Multitasking Optimization Based on Incremental Learning. IEEE Transactions on Evolutionary Computation, 2020, 24, 824-838.	10.0	55
16	An Evolutionary Multitasking-Based Feature Selection Method for High-Dimensional Classification. IEEE Transactions on Cybernetics, 2022, 52, 7172-7186.	9.5	54
17	A Bilevel Ant Colony Optimization Algorithm for Capacitated Electric Vehicle Routing Problem. IEEE Transactions on Cybernetics, 2022, 52, 10855-10868.	9.5	53
18	Genetic Programming With Image-Related Operators and a Flexible Program Structure for Feature Learning in Image Classification. IEEE Transactions on Evolutionary Computation, 2021, 25, 87-101.	10.0	45

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19	Genetic Programming With a New Representation to Automatically Learn Features and Evolve Ensembles for Image Classification. IEEE Transactions on Cybernetics, 2021, 51, 1769-1783.	9.5	44
20	Evolutionary Neural Architecture Search for High-Dimensional Skip-Connection Structures on DenseNet Style Networks. IEEE Transactions on Evolutionary Computation, 2021, 25, 1118-1132.	10.0	43
21	Correlation Coefficient-Based Recombinative Guidance for Genetic Programming Hyperheuristics in Dynamic Flexible Job Shop Scheduling. IEEE Transactions on Evolutionary Computation, 2021, 25, 552-566.	10.0	43
22	Automatic Feature Extraction and Construction Using Genetic Programming for Rotating Machinery Fault Diagnosis. IEEE Transactions on Cybernetics, 2021, 51, 4909-4923.	9.5	42
23	Multitask Genetic Programming-Based Generative Hyperheuristics: A Case Study in Dynamic Scheduling. IEEE Transactions on Cybernetics, 2022, 52, 10515-10528.	9.5	35
24	Improving Generalization of Genetic Programming for Symbolic Regression With Angle-Driven Geometric Semantic Operators. IEEE Transactions on Evolutionary Computation, 2019, 23, 488-502.	10.0	33
25	Evolutionary Multi-Objective Optimization for Web Service Location Allocation Problem. IEEE Transactions on Services Computing, 2021, 14, 458-471.	4.6	33
26	A Divide-and-Conquer-Based Ensemble Classifier Learning by Means of Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2018, 22, 762-777.	10.0	32
27	Generating Knowledge-Guided Discriminative Features Using Genetic Programming for Melanoma Detection. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 554-569.	4.9	27
28	Collaborative Multifidelity-Based Surrogate Models for Genetic Programming in Dynamic Flexible Job Shop Scheduling. IEEE Transactions on Cybernetics, 2022, 52, 8142-8156.	9.5	27
29	Structural Risk Minimization-Driven Genetic Programming for Enhancing Generalization in Symbolic Regression. IEEE Transactions on Evolutionary Computation, 2019, 23, 703-717.	10.0	26
30	Genetic Programming for Evolving a Front of Interpretable Models for Data Visualization. IEEE Transactions on Cybernetics, 2021, 51, 5468-5482.	9.5	26
31	Surrogate-Assisted Particle Swarm Optimization for Evolving Variable-Length Transferable Blocks for Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3727-3740.	11.3	25
32	A Cooperative Coevolution Genetic Programming Hyper-Heuristics Approach for On-Line Resource Allocation in Container-Based Clouds. IEEE Transactions on Cloud Computing, 2022, 10, 1500-1514.	4.4	23
33	Multi-objective genetic programming for feature learning in face recognition. Applied Soft Computing Journal, 2021, 103, 107152.	7.2	21
34	Feature fusion and kernel selective in Inception-v4 network. Applied Soft Computing Journal, 2022, 119, 108582.	7.2	20
35	People-Centric Evolutionary System for Dynamic Production Scheduling. IEEE Transactions on Cybernetics, 2021, 51, 1403-1416.	9.5	19
36	Rademacher Complexity for Enhancing the Generalization of Genetic Programming for Symbolic Regression. IEEE Transactions on Cybernetics, 2022, 52, 2382-2395.	9.5	18

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37	Genetic Programming With Niching for Uncertain Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2022, 26, 73-87.	10.0	18
38	Evolving Deep Convolutional Variational Autoencoders for Image Classification. IEEE Transactions on Evolutionary Computation, 2021, 25, 815-829.	10.0	17
39	A Divide-and-Conquer Genetic Programming Algorithm With Ensembles for Image Classification. IEEE Transactions on Evolutionary Computation, 2021, 25, 1148-1162.	10.0	17
40	Guided Subtree Selection for Genetic Operators in Genetic Programming for Dynamic Flexible Job Shop Scheduling. Lecture Notes in Computer Science, 2020, , 262-278.	1.3	17
41	Genetic programming for feature extraction and construction in image classification. Applied Soft Computing Journal, 2022, 118, 108509.	7.2	17
42	Genetic Programming for Instance Transfer Learning in Symbolic Regression. IEEE Transactions on Cybernetics, 2022, 52, 25-38.	9.5	15
43	Genetic Programming with Adaptive Search Based on the Frequency of Features for Dynamic Flexible Job Shop Scheduling. Lecture Notes in Computer Science, 2020, , 214-230.	1.3	15
44	Contribution-Based Cooperative Co-Evolution for Nonseparable Large-Scale Problems With Overlapping Subcomponents. IEEE Transactions on Cybernetics, 2022, 52, 4246-4259.	9.5	15
45	A Survey of Evolutionary Computation for Web Service Composition: A Technical Perspective. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 538-554.	4.9	14
46	Genetic programming for development of cost-sensitive classifiers for binary high-dimensional unbalanced classification. Applied Soft Computing Journal, 2021, 101, 106989.	7.2	14
47	Multiobjective Differential Evolution for Feature Selection in Classification. IEEE Transactions on Cybernetics, 2023, 53, 4579-4593.	9.5	14
48	Genetic programming for automatic skin cancer image classification. Expert Systems With Applications, 2022, 197, 116680.	7.6	14
49	Multitree Genetic Programming With New Operators for Transfer Learning in Symbolic Regression With Incomplete Data. IEEE Transactions on Evolutionary Computation, 2021, 25, 1049-1063.	10.0	12
50	Multi-objective genetic programming for manifold learning: balancing quality and dimensionality. Genetic Programming and Evolvable Machines, 2020, 21, 399-431.	2.2	12
51	Dual-Tree Genetic Programming for Few-Shot Image Classification. IEEE Transactions on Evolutionary Computation, 2022, 26, 555-569.	10.0	11
52	Learning and Sharing: A Multitask Genetic Programming Approach to Image Feature Learning. IEEE Transactions on Evolutionary Computation, 2022, 26, 218-232.	10.0	10
53	A Hybrid Evolutionary Computation Approach to Inducing Transfer Classifiers for Domain Adaptation. IEEE Transactions on Cybernetics, 2021, 51, 6319-6332.	9.5	9
54	Preserving Population Diversity Based on Transformed Semantics in Genetic Programming for Symbolic Regression. IEEE Transactions on Evolutionary Computation, 2021, 25, 433-447.	10.0	9

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55	The value of entrepreneurship and the entrepreneurial ecosystem: Evidence from 265 cities in China. Growth and Change, 2021, 52, 2256-2271.	2.6	8
56	Genetic Programming-Based Discriminative Feature Learning for Low-Quality Image Classification. IEEE Transactions on Cybernetics, 2022, 52, 8272-8285.	9.5	8
57	Automated Design of Multipass Heuristics for Resource-Constrained Job Scheduling With Self-Competitive Genetic Programming. IEEE Transactions on Cybernetics, 2022, 52, 8603-8616.	9.5	7
58	A new artificial intelligent approach to buoy detection for mussel farming. Journal of the Royal Society of New Zealand, 2023, 53, 27-51.	1.9	7
59	Coopetition within the entrepreneurial ecosystem: startupsâ€™ entrepreneurial learning processes and their implications for new venture performance. Journal of Business and Industrial Marketing, 2022, 37, 1867-1886.	3.0	6
60	Automatic Design of Convolutional Neural Network Architectures Under Resource Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3832-3846.	11.3	6
61	Contrastive Learning Assisted-Alignment for Partial Domain Adaptation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7621-7634.	11.3	6
62	Multitask Feature Learning as Multiobjective Optimization: A New Genetic Programming Approach to Image Classification. IEEE Transactions on Cybernetics, 2023, 53, 3007-3020.	9.5	6
63	Improved Crowding Distance in Multi-objective Optimization for Feature Selection in Classification. Lecture Notes in Computer Science, 2021, , 489-505.	1.3	5
64	Transductive transfer learning based Genetic Programming for balanced and unbalanced document classification using different types of features. Applied Soft Computing Journal, 2021, 103, 107172.	7.2	5
65	An Investigation ofÂMultitask Linear Genetic Programming forÂDynamic Job Shop Scheduling. Lecture Notes in Computer Science, 2022, , 162-178.	1.3	4
66	Learning Heuristics With Different Representations for Stochastic Routing. IEEE Transactions on Cybernetics, 2023, 53, 3205-3219.	9.5	4
67	Understanding the relationship between networks, startup risk-taking behaviour, and digitalization: the role of ecosystem coopetition. Journal of Management and Organization, 0, , 1-25.	3.0	3
68	ArcText: A Unified Text Approach to Describing Convolutional Neural Network Architectures. IEEE Transactions on Artificial Intelligence, 2022, 3, 526-540.	4.7	1
69	Guest Editorial Special Issue on Multitask Evolutionary Computation. IEEE Transactions on Evolutionary Computation, 2022, 26, 202-205.	10.0	1
70	Practitioner Note: A Meta-Analysis on Coopetition and Performance Relationship. Journal of Business-to-Business Marketing, 2021, 28, 307-320.	1.5	0