Mengjie Zhang

List of Publications by Year
in descending order

509 papers	16,169 citations	36203 51 h-index	28224 105 g-index
516 all docs	516 docs citations	516 times ranked	7299 citing authors

#	Article	IF	Citations
1	A Survey on Evolutionary Neural Architecture Search. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 550-570.	7.2	139
2	Knowledge Transfer Genetic Programming With Auxiliary Population for Solving Uncertain Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2023, 27, 311-325.	7.5	1
3	Genetic Programming for Image Classification: A New Program Representation With Flexible Feature Reuse. IEEE Transactions on Evolutionary Computation, 2023, 27, 460-474.	7.5	5
4	Multitask Feature Learning as Multiobjective Optimization: A New Genetic Programming Approach to Image Classification. IEEE Transactions on Cybernetics, 2023, 53, 3007-3020.	6.2	6
5	Instance-Rotation-Based Surrogate in Genetic Programming With Brood Recombination for Dynamic Job-Shop Scheduling. IEEE Transactions on Evolutionary Computation, 2023, 27, 1192-1206.	7.5	9
6	A Multiform Optimization Framework for Constrained Multiobjective Optimization. IEEE Transactions on Cybernetics, 2023, 53, 5165-5177.	6.2	8
7	Automatically Diagnosing Skin Cancers From Multimodality Images Using Two-Stage Genetic Programming. IEEE Transactions on Cybernetics, 2023, 53, 2727-2740.	6.2	5
8	A new artificial intelligent approach to buoy detection for mussel farming. Journal of the Royal Society of New Zealand, 2023, 53, 27-51.	1.0	7
9	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.	3.1	23
10	Rademacher Complexity for Enhancing the Generalization of Genetic Programming for Symbolic Regression. IEEE Transactions on Cybernetics, 2022, 52, 2382-2395.	6.2	18
11	Genetic Programming for Instance Transfer Learning in Symbolic Regression. IEEE Transactions on Cybernetics, 2022, 52, 25-38.	6.2	15
12	Genetic Programming With Niching for Uncertain Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2022, 26, 73-87.	7.5	18
13	Evolutionary Multitasking for Feature Selection in High-Dimensional Classification via Particle Swarm Optimization. IEEE Transactions on Evolutionary Computation, 2022, 26, 446-460.	7.5	52
14	Collaborative Multifidelity-Based Surrogate Models for Genetic Programming in Dynamic Flexible Job Shop Scheduling. IEEE Transactions on Cybernetics, 2022, 52, 8142-8156.	6.2	27
15	Learning and Sharing: A Multitask Genetic Programming Approach to Image Feature Learning. IEEE Transactions on Evolutionary Computation, 2022, 26, 218-232.	7.5	10
16	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.	7.2	25
17	Dual-Tree Genetic Programming for Few-Shot Image Classification. IEEE Transactions on Evolutionary Computation, 2022, 26, 555-569.	7.5	11
18	A Bilevel Ant Colony Optimization Algorithm for Capacitated Electric Vehicle Routing Problem. IEEE Transactions on Cybernetics, 2022, 52, 10855-10868.	6.2	53

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19	Genetic Programming-Based Discriminative Feature Learning for Low-Quality Image Classification. IEEE Transactions on Cybernetics, 2022, 52, 8272-8285.	6.2	8
20	An Evolutionary Multitasking-Based Feature Selection Method for High-Dimensional Classification. IEEE Transactions on Cybernetics, 2022, 52, 7172-7186.	6.2	54
21	Multitask Genetic Programming-Based Generative Hyperheuristics: A Case Study in Dynamic Scheduling. IEEE Transactions on Cybernetics, 2022, 52, 10515-10528.	6.2	35
22	Correlation-Guided Updating Strategy for Feature Selection in Classification With Surrogate-Assisted Particle Swarm Optimization. IEEE Transactions on Evolutionary Computation, 2022, 26, 1015-1029.	7.5	30
23	Investigating the Correlation Amongst the Objective and Constraints in Gaussian Process-Assisted Highly Constrained Expensive Optimization. IEEE Transactions on Evolutionary Computation, 2022, 26, 872-885.	7.5	8
24	ArcText: A Unified Text Approach to Describing Convolutional Neural Network Architectures. IEEE Transactions on Artificial Intelligence, 2022, 3, 526-540.	3.4	1
25	Genetic Programming With Knowledge Transfer and Guided Search for Uncertain Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2022, 26, 765-779.	7.5	10
26	Fuzzy filter cost-sensitive feature selection with differential evolution. Knowledge-Based Systems, 2022, 241, 108259.	4.0	16
27	Confidence-Based Ant Colony Optimization for Capacitated Electric Vehicle Routing Problem With Comparison of Different Encoding Schemes. IEEE Transactions on Evolutionary Computation, 2022, 26, 1394-1408.	7.5	14
28	BenchENAS: A Benchmarking Platform for Evolutionary Neural Architecture Search. IEEE Transactions on Evolutionary Computation, 2022, 26, 1473-1485.	7.5	7
29	Genetic programming for feature extraction and construction in image classification. Applied Soft Computing Journal, 2022, 118, 108509.	4.1	17
30	High-Dimensional Unbalanced Binary Classification by Genetic Programming with Multi-Criterion Fitness Evaluation and Selection. Evolutionary Computation, 2022, 30, 99-129.	2.3	6
31	Simplifying Dispatching Rules inÂGenetic Programming forÂDynamic Job Shop Scheduling. Lecture Notes in Computer Science, 2022, , 95-110.	1.0	2
32	An Object-Based Genetic Programming Approach for Cropland Field Extraction. Remote Sensing, 2022, 14, 1275.	1.8	14
33	Guest Editorial Special Issue on Multitask Evolutionary Computation. IEEE Transactions on Evolutionary Computation, 2022, 26, 202-205.	7.5	1
34	Using a small number of training instances in genetic programming for face image classification. Information Sciences, 2022, 593, 488-504.	4.0	13
35	Genetic programming for automatic skin cancer image classification. Expert Systems With Applications, 2022, 197, 116680.	4.4	14
36	An Investigation ofÂMultitask Linear Genetic Programming forÂDynamic Job Shop Scheduling. Lecture Notes in Computer Science, 2022, , 162-178.	1.0	4

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37	Graph-based linear genetic programming. , 2022, , .		2
38	Local ranking explanation for genetic programming evolved routing policies for uncertain capacitated Arc routing problems. , 2022, , .		1
39	Automatic Feature Extraction and Construction Using Genetic Programming for Rotating Machinery Fault Diagnosis. IEEE Transactions on Cybernetics, 2021, 51, 4909-4923.	6.2	42
40	Genetic Programming for Evolving a Front of Interpretable Models for Data Visualization. IEEE Transactions on Cybernetics, 2021, 51, 5468-5482.	6.2	26
41	Generating Knowledge-Guided Discriminative Features Using Genetic Programming for Melanoma Detection. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 554-569.	3.4	27
42	A Hybrid Evolutionary Computation Approach to Inducing Transfer Classifiers for Domain Adaptation. IEEE Transactions on Cybernetics, 2021, 51, 6319-6332.	6.2	9
43	Evolutionary Multi-Objective Optimization for Web Service Location Allocation Problem. IEEE Transactions on Services Computing, 2021, 14, 458-471.	3.2	33
44	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.	7.5	45
45	Genetic Programming With a New Representation to Automatically Learn Features and Evolve Ensembles for Image Classification. IEEE Transactions on Cybernetics, 2021, 51, 1769-1783.	6.2	44
46	Evolving Scheduling Heuristics via Genetic Programming With Feature Selection in Dynamic Flexible Job-Shop Scheduling. IEEE Transactions on Cybernetics, 2021, 51, 1797-1811.	6.2	120
47	A Duplication Analysis-Based Evolutionary Algorithm for Biobjective Feature Selection. IEEE Transactions on Evolutionary Computation, 2021, 25, 205-218.	7.5	62
48	Genetic programming for development of cost-sensitive classifiers for binary high-dimensional unbalanced classification. Applied Soft Computing Journal, 2021, 101, 106989.	4.1	14
49	A New Binary Particle Swarm Optimization Approach: Momentum and Dynamic Balance Between Exploration and Exploitation. IEEE Transactions on Cybernetics, 2021, 51, 589-603.	6.2	69
50	People-Centric Evolutionary System for Dynamic Production Scheduling. IEEE Transactions on Cybernetics, 2021, 51, 1403-1416.	6.2	19
51	Genetic Programming for Image Classification. Adaptation, Learning, and Optimization, 2021, , .	0.5	23
52	GP with Image Descriptors for Learning Global and Local Features. Adaptation, Learning, and Optimization, 2021, , 117-143.	0.5	0
53	Evolutionary Computation and Genetic Programming. Adaptation, Learning, and Optimization, 2021, , 49-74.	0.5	3
54	Automatically Evolving Texture Image Descriptors Using the Multitree Representation in Genetic Programming Using Few Instances. Evolutionary Computation, 2021, 29, 331-366.	2.3	2

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55	Evolutionary Deep Learning Using GP with Convolution Operators. Adaptation, Learning, and Optimization, 2021, , 97-115.	0.5	0
56	Multitree Genetic Programming With New Operators for Transfer Learning in Symbolic Regression With Incomplete Data. IEEE Transactions on Evolutionary Computation, 2021, 25, 1049-1063.	7.5	12
57	Random Forest-Assisted GP for Feature Learning. Adaptation, Learning, and Optimization, 2021, , 207-226.	0.5	0
58	Evolutionary Neural Architecture Search for High-Dimensional Skip-Connection Structures on DenseNet Style Networks. IEEE Transactions on Evolutionary Computation, 2021, 25, 1118-1132.	7.5	43
59	Improved Crowding Distance in Multi-objective Optimization for Feature Selection in Classification. Lecture Notes in Computer Science, 2021, , 489-505.	1.0	5
60	A new imputation method based on genetic programming and weighted KNN for symbolic regression with incomplete data. Soft Computing, 2021, 25, 5993-6012.	2.1	31
61	Developing Interval-Based Cost-Sensitive Classifiers by Genetic Programming for Binary High-Dimensional Unbalanced Classification [Research Frontier]. IEEE Computational Intelligence Magazine, 2021, 16, 84-98.	3.4	12
62	Genetic Programming with Delayed Routing for Multiobjective Dynamic Flexible Job Shop Scheduling. Evolutionary Computation, 2021, 29, 75-105.	2.3	22
63	Multi-objective genetic programming for feature learning in face recognition. Applied Soft Computing Journal, 2021, 103, 107152.	4.1	21
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.	4.1	5
65	A Genetic Programming Approach for Evolving Variable Selectors in Constraint Programming. IEEE Transactions on Evolutionary Computation, 2021, 25, 492-507.	7.5	4
66	Preserving Population Diversity Based on Transformed Semantics in Genetic Programming for Symbolic Regression. IEEE Transactions on Evolutionary Computation, 2021, 25, 433-447.	7.5	9
67	Genetic Programming for Symbolic Regression: A Study on Fish Weight Prediction. , 2021, , .		5
68	Automatically Extracting Features Using Genetic Programming for Low-Quality Fish Image Classification. , 2021, , .		6
69	A Flexible Variable-length Particle Swarm Optimization Approach to Convolutional Neural Network Architecture Design. , 2021, , .		9
70	Correlation Coefficient-Based Recombinative Guidance for Genetic Programming Hyperheuristics in Dynamic Flexible Job Shop Scheduling. IEEE Transactions on Evolutionary Computation, 2021, 25, 552-566.	7.5	43
71	A Forward Search Inspired Particle Swarm Optimization Algorithm for Feature Selection in Classification. , 2021, , .		4
72	Genetic Algorithm for Feature and Latent Variable Selection for Nutrient Assessment in Horticultural Products. , 2021, , .		2

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73	Genetic Programming with Archive for Dynamic Flexible Job Shop Scheduling. , 2021, , .		6
74	Binary Differential Evolution based Feature Selection Method with Mutual Information for Imbalanced Classification Problems. , 2021, , .		4
75	Constructing Complexity-efficient Features in XCS with Tree-based Rule Conditions. , 2021, , .		1
76	Budget and SLA Aware Dynamic Workflow Scheduling in Cloud Computing with Heterogeneous Resources. , 2021, , .		5
77	Genetic programming for borderline instance detection in high-dimensional unbalanced classification. , 2021, , .		4
78	Deep Learning Model with GA-based Visual Feature Selection and Context Integration. , 2021, , .		2
79	Surrogate-Assisted Genetic Programming with Diverse Transfer for the Uncertain Capacitated Arc Routing Problem. , 2021, , .		1
80	Feature Selection for Evolving Many-Objective Job Shop Scheduling Dispatching Rules with Genetic Programming. , 2021, , .		5
81	A Multi-Objective Genetic Programming Approach with Self-Adaptive Î± Dominance to Uncertain Capacitated Arc Routing Problem. , 2021, , .		2
82	A Grid-dominance based Multi-objective Algorithm for Feature Selection in Classification. , 2021, , .		10
83	Learning Initialisation Heuristic for Large Scale Vehicle Routing Problem with Genetic Programming. , 2021, , .		1
84	An Evolutionary Hyper-Heuristic Approach to the Large Scale Vehicle Routing Problem. , 2021, , .		3
85	Two-stage multi-objective genetic programming with archive for uncertain capacitated arc routing problem. , 2021, , .		5
86	A novel multi-task genetic programming approach to uncertain capacitated Arc routing problem. , 2021, , .		4
87	Multi-objective Multi-label Feature Selection with an Aggregated Performance Metric and Dominance-based Initialisation. , 2021, , .		2
88	Particle Swarm Optimisation for Analysing Time-Dependent Photoluminescence Data. , 2021, , .		2
89	GP with a Hybrid Tree-vector Representation for Instance Selection and Symbolic Regression on Incomplete Data. , 2021, , .		4
90	Evolutionary computation and evolutionary deep learning for image analysis, signal processing and pattern recognition. , 2021, , .		0

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91	A transfer learning based evolutionary deep learning framework to evolve convolutional neural networks. , 2021, , .		1
92	Improved binary particle swarm optimization for feature selection with new initialization and search space reduction strategies. Applied Soft Computing Journal, 2021, 106, 107302.	4.1	92
93	Multi-objective genetic programming for symbolic regression with the adaptive weighted splines representation. , 2021, , .		1
94	Surrogate-Assisted Evolutionary Multitask Genetic Programming for Dynamic Flexible Job Shop Scheduling. IEEE Transactions on Evolutionary Computation, 2021, 25, 651-665.	7.5	99
95	Multi-View Feature Construction Using Genetic Programming for Rolling Bearing Fault Diagnosis [Application Notes]. IEEE Computational Intelligence Magazine, 2021, 16, 79-94.	3.4	13
96	Evolving Deep Convolutional Variational Autoencoders for Image Classification. IEEE Transactions on Evolutionary Computation, 2021, 25, 815-829.	7.5	17
97	A Divide-and-Conquer Genetic Programming Algorithm With Ensembles for Image Classification. IEEE Transactions on Evolutionary Computation, 2021, 25, 1148-1162.	7.5	17
98	A Two-Stage Efficient Evolutionary Neural Architecture Search Method for Image Classification. Lecture Notes in Computer Science, 2021, , 469-484.	1.0	0
99	Investigation of Linear Genetic Programming for Dynamic Job Shop Scheduling. , 2021, , .		5
100	Deep Convolutional Neural Networks with Transfer Learning for Waterline Detection in Mussel Farms. , 2021, , .		7
101	An Improved Multi-Objective Genetic Programming Hyper-Heuristic with Archive for Uncertain Capacitated Arc Routing Problem. , 2021, , .		0
102	Deep Convolutional Neural Networks for Fish Weight Prediction from Images. , 2021, , .		4
103	An Investigation on Multi-Objective Fish Breeding Program Design. , 2021, , .		0
104	Deep Convolutional Neural Networks for Detecting Dolphin Echolocation Clicks. , 2021, , .		7
105	Automated and Efficient Sparsity-based Feature Selection via a Dual-component Vector. , 2021, , .		0
106	Multi-objective Feature Selection with a Sparsity-based Objective Function and Gradient Local Search for Multi-label Classification. , 2021, , .		0
107	Evolving Deep Convolutional Neural Networks for Image Classification. IEEE Transactions on Evolutionary Computation, 2020, 24, 394-407.	7.5	409
108	A Predictive-Reactive Approach with Genetic Programming and Cooperative Coevolution for the Uncertain Capacitated Arc Routing Problem. Evolutionary Computation, 2020, 28, 289-316.	2.3	32

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109	Completely Automated CNN Architecture Design Based on Blocks. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1242-1254.	7.2	188
110	Multiple Reference Points-Based Decomposition for Multiobjective Feature Selection in Classification: Static and Dynamic Mechanisms. IEEE Transactions on Evolutionary Computation, 2020, 24, 170-184.	7.5	68
111	Genetic Programming for Evolving Similarity Functions for Clustering: Representations and Analysis. Evolutionary Computation, 2020, 28, 531-561.	2.3	10
112	Surrogate-Assisted Evolutionary Deep Learning Using an End-to-End Random Forest-Based Performance Predictor. IEEE Transactions on Evolutionary Computation, 2020, 24, 350-364.	7.5	150
113	A survey on feature selection approaches for clustering. Artificial Intelligence Review, 2020, 53, 4519-4545.	9.7	103
114	Genetic Programming Hyper-Heuristics with Vehicle Collaboration for Uncertain Capacitated Arc Routing Problems. Evolutionary Computation, 2020, 28, 563-593.	2.3	33
115	Multiobjective Multitasking Optimization Based on Incremental Learning. IEEE Transactions on Evolutionary Computation, 2020, 24, 824-838.	7.5	55
116	An Adaptive and Near Parameter-free Evolutionary Computation Approach Towards True Automation in AutoML. , 2020, , .		4
117	Genetic Programming Hyper-Heuristics with Probabilistic Prototype Tree Knowledge Transfer for Uncertain Capacitated Arc Routing Problems. , 2020, , .		10
118	Genetic Programming with Noise Sensitivity for Imputation Predictor Selection in Symbolic Regression with Incomplete Data. , 2020, , .		7
119	Evolving Deep Convolutional Neural Networks for Hyperspectral Image Denoising. , 2020, , .		5
120	Effective Linear Policy Gradient Search through Primal-Dual Approximation. , 2020, , .		0
121	Particle Swarm optimisation for Evolving Deep Neural Networks for Image Classification by Evolving and Stacking Transferable Blocks. , 2020, , .		26
122	A Multi-Objective Genetic Programming Hyper-Heuristic Approach to Uncertain Capacitated Arc Routing Problems. , 2020, , .		13
123	A Threshold-free Classification Mechanism in Genetic Programming for High-dimensional Unbalanced Classification. , 2020, , .		2
124	Multi-Tree Genetic Programming-based Transformation for Transfer Learning in Symbolic Regression with Highly Incomplete Data. , 2020, , .		7
125	A Fitness-based Selection Method for Pareto Local Search for Many-Objective Job Shop Scheduling. , 2020, , .		5
126	Hybridising Particle Swarm optimisation with Differential Evolution for Feature Selection in Classification. , 2020, , .		6

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127	Genetic Programming-Based Feature Learning for Facial Expression Classification. , 2020, , .		3
128	A Decomposition based Multi-objective Evolutionary Algorithm with ReliefF based Local Search and Solution Repair Mechanism for Feature Selection. , 2020, , .		5
129	Multi-objective feature selection using hybridization of a genetic algorithm and direct multisearch for key quality characteristic selection. Information Sciences, 2020, 523, 245-265.	4.0	48
130	Genetic programming for high-dimensional imbalanced classification with a new fitness function and program reuse mechanism. Soft Computing, 2020, 24, 18021-18038.	2.1	12
131	A survey on swarm intelligence approaches to feature selection in data mining. Swarm and Evolutionary Computation, 2020, 54, 100663.	4.5	227
132	Novel chaotic grouping particle swarm optimization with a dynamic regrouping strategy for solving numerical optimization tasks. Knowledge-Based Systems, 2020, 194, 105568.	4.0	24
133	A Survey of Evolutionary Computation for Web Service Composition: A Technical Perspective. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 538-554.	3.4	14
134	An Effective Feature Learning Approach Using Genetic Programming With Image Descriptors for Image Classification [Research Frontier]. IEEE Computational Intelligence Magazine, 2020, 15, 65-77.	3.4	34
135	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.	1.0	15
136	Particle Swarm Optimization for Evolving Deep Convolutional Neural Networks for Image Classification: Single- and Multi-Objective Approaches. Natural Computing Series, 2020, , 155-184.	2.2	11
137	Multi-objective genetic programming for manifold learning: balancing quality and dimensionality. Genetic Programming and Evolvable Machines, 2020, 21, 399-431.	1.5	12
138	A Novel Genetic Algorithm Approach to Simultaneous Feature Selection and Instance Selection. , 2020, , .		8
139	Automatically Designing CNN Architectures Using the Genetic Algorithm for Image Classification. IEEE Transactions on Cybernetics, 2020, 50, 3840-3854.	6.2	473
140	Automatically extracting features for face classification using multi-objective genetic programming. , 2020, , .		3
141	Improving symbolic regression based on correlation between residuals and variables. , 2020, , .		8
142	A genetic programming approach to feature construction for ensemble learning in skin cancer detection. , 2020, , .		10
143	Adaptive weighted splines. , 2020, , .		7
144	Multi-tree genetic programming for feature construction-based domain adaptation in symbolic regression with incomplete data. , 2020, , .		12

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145	Segmented initialization and offspring modification in evolutionary algorithms for bi-objective feature selection. , 2020, , .		13
146	Neural architecture search for sparse DenseNets with dynamic compression. , 2020, , .		2
147	GP-based Feature Selection and Weighted KNN-based Instance Selection for Symbolic Regression with Incomplete Data. , 2020, , .		3
148	Adaptive Search Space through Evolutionary Hyper-Heuristics for the Large-Scale Vehicle Routing Problem. , 2020, , .		3
149	Data Imputation for Symbolic Regression with Missing Values: A Comparative Study. , 2020, , .		1
150	GPCNN: Evolving Convolutional Neural Networks using Genetic Programming. , 2020, , .		4
151	A GPHH with Surrogate-assisted Knowledge Transfer for Uncertain Capacitated Arc Routing Problem. , 2020, , .		0
152	Evolving Deep Forest with Automatic Feature Extraction for Image Classification Using Genetic Programming. Lecture Notes in Computer Science, 2020, , 3-18.	1.0	10
153	Guided Subtree Selection for Genetic Operators in Genetic Programming for Dynamic Flexible Job Shop Scheduling. Lecture Notes in Computer Science, 2020, , 262-278.	1.0	17
154	A Parametric Framework for Genetic Programming with Transfer Learning for Uncertain Capacitated Arc Routing Problem. Lecture Notes in Computer Science, 2020, , 150-162.	1.0	2
155	A Decomposition Based Multi-objective Genetic Programming Algorithm for Classification of Highly Imbalanced Tandem Mass Spectrometry. Lecture Notes in Computer Science, 2020, , 449-463.	1.0	1
156	A preliminary approach to evolutionary multitasking for dynamic flexible job shop scheduling via genetic programming. , 2020, , .		21
157	Evolutionary computation and evolutionary deep learning for image analysis, signal processing and pattern recognition. , 2020, , .		2
158	A Graph-Based Approach to Automatic Convolutional Neural Network Construction for Image Classification. , 2020, , .		3
159	Genetic Programming for Job Shop Scheduling. Studies in Computational Intelligence, 2019, , 143-167.	0.7	10
160	A Hybrid Genetic Programming Algorithm for Automated Design of Dispatching Rules. Evolutionary Computation, 2019, 27, 467-496.	2.3	50
161	Blocky Net: A New NeuroEvolution Method. , 2019, , .		1
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163	Genetic Programming based Transfer Learning for Document Classification with Self-taught and Ensemble Learning. , 2019, , .		4
164	Multi-Round Random Subspace Feature Selection for Incomplete Gene Expression Data. , 2019, , .		5
165	Transfer Learning in Genetic Programming Hyper-heuristic for Solving Uncertain Capacitated Arc Routing Problem. , 2019, , .		19
166	Online Feature-Generation of Code Fragments for XCS to Guide Feature Construction. , 2019, , .		5
167	Reuse of program trees in genetic programming with a new fitness function in high-dimensional unbalanced classification. , 2019, , .		3
168	Adaptive multi-subswarm optimisation for feature selection on high-dimensional classification. , 2019, , .		14
169	Instance based Transfer Learning for Genetic Programming for Symbolic Regression. , 2019, , .		12
170	Novel ensemble genetic programming hyper-heuristics for uncertain capacitated arc routing problem. , 2019, , .		30
171	Genetic Programming with Rademacher Complexity for Symbolic Regression. , 2019, , .		12
172	A two-stage genetic programming hyper-heuristic approach with feature selection for dynamic flexible job shop scheduling. , 2019, , .		44
173	Population-based ensemble classifier induction for domain adaptation. , 2019, , .		2
174	An automated ensemble learning framework using genetic programming for image classification. , 2019, , .		20
175	Active Sampling for Dynamic Job Shop Scheduling using Genetic Programming. , 2019, , .		3
176	New Fitness Functions in Genetic Programming for Classification with High-dimensional Unbalanced Data. , 2019, , .		10
177	Multi-tree Genetic Programming with A New Fitness Function for Melanoma Detection. , 2019, , .		0
178	An Evolutionary Deep Learning Approach Using Genetic Programming with Convolution Operators for Image Classification. , 2019, , .		18
179	Can Stochastic Dispatching Rules Evolved by Genetic Programming Hyper-heuristics Help in Dynamic Flexible Job Shop Scheduling?. , 2019, , .		13
180	Evolving Dispatching Rules for Multi-objective Dynamic Flexible Job Shop Scheduling via Genetic Programming Hyper-heuristics. , 2019, , .		41

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181	Genetic programming hyper-heuristic with knowledge transfer for uncertain capacitated arc routing problem. , 2019, , .		24
182	Differential evolution for instance based transfer learning in genetic programming for symbolic regression. , 2019, , .		7
183	Can Genetic Programming Do Manifold Learning Too?. Lecture Notes in Computer Science, 2019, , 114-130.	1.0	14
184	Genetic programming for multiple-feature construction on high-dimensional classification. Pattern Recognition, 2019, 93, 404-417.	5.1	59
185	GP-based methods for domain adaptation: using brain decoding across subjects as a test-case. Genetic Programming and Evolvable Machines, 2019, 20, 385-411.	1.5	4
186	A survey on evolutionary machine learning. Journal of the Royal Society of New Zealand, 2019, 49, 205-228.	1.0	159
187	A New Representation in Genetic Programming for Evolving Dispatching Rules for Dynamic Flexible Job Shop Scheduling. Lecture Notes in Computer Science, 2019, , 33-49.	1.0	14
188	Preprocessing Tandem Mass Spectra Using Genetic Programming for Peptide Identification. Journal of the American Society for Mass Spectrometry, 2019, 30, 1294-1307.	1.2	1
189	Genetic programming with transfer learning for texture image classification. Soft Computing, 2019, 23, 12859-12871.	2.1	7
190	A Two-Stage Genetic Programming Hyper-Heuristic for Uncertain Capacitated Arc Routing Problem. , 2019, , .		8
191	The Evolution of Adjacency Matrices for Sparsity of Connection in DenseNets. , 2019, , .		2
192	Evolving Ensembles of Routing Policies using Genetic Programming for Uncertain Capacitated Arc Routing Problem. , 2019, , .		11
193	Multitasking Genetic Programming for Stochastic Team Orienteering Problem with Time Windows. , 2019, , .		7
194	A Genetic Programming-based Wrapper Imputation Method for Symbolic Regression with Incomplete Data. , 2019, , .		5
195	Genetic Programming for Multiple Feature Construction in Skin Cancer Image Classification. , 2019, , .		4
196	A Cost-sensitive Genetic Programming Approach for High-dimensional Unbalanced Classification. , 2019, , .		7
197	Improving Generalization of Genetic Programming for Symbolic Regression With Angle-Driven Geometric Semantic Operators. IEEE Transactions on Evolutionary Computation, 2019, 23, 488-502.	7.5	33
198	Variable-Length Particle Swarm Optimization for Feature Selection on High-Dimensional Classification. IEEE Transactions on Evolutionary Computation, 2019, 23, 473-487.	7.5	177

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199	A New Two-Stage Evolutionary Algorithm for Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 748-761.	7.5	90
200	A Particle Swarm Optimization-Based Flexible Convolutional Autoencoder for Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2295-2309.	7.2	107
201	Structural Risk Minimization-Driven Genetic Programming for Enhancing Generalization in Symbolic Regression. IEEE Transactions on Evolutionary Computation, 2019, 23, 703-717.	7.5	26
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205	Genetic Programming with Pareto Local Search for Many-Objective Job Shop Scheduling. Lecture Notes in Computer Science, 2019, , 536-548.	1.0	4
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