Yi Mei

List of Publications by Year
in descending order

161	4,537	201674	133252
papers	citations	27 h-index	59 g-index

183	183	183	2172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cooperative Co-Evolution With Differential Grouping for Large Scale Optimization. IEEE Transactions on Evolutionary Computation, 2014, 18, 378-393.	10.0	616
2	Decomposition-Based Memetic Algorithm for Multiobjective Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2011, 15, 151-165.	10.0	264
3	DG2: A Faster and More Accurate Differential Grouping for Large-Scale Black-Box Optimization. IEEE Transactions on Evolutionary Computation, 2017, 21, 929-942.	10.0	241
4	Genetic programming for production scheduling: a survey with a unified framework. Complex & Intelligent Systems, 2017, 3, 41-66.	6.5	183
5	Memetic Algorithm With Extended Neighborhood Search for Capacitated Arc Routing Problems. IEEE Transactions on Evolutionary Computation, 2009, 13, 1151-1166.	10.0	176
6	A Competitive Divide-and-Conquer Algorithm for Unconstrained Large-Scale Black-Box Optimization. ACM Transactions on Mathematical Software, 2016, 42, 1-24.	2.9	172
7	A survey on evolutionary machine learning. Journal of the Royal Society of New Zealand, 2019, 49, 205-228.	1.9	159
8	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
9	Cooperative Coevolution With Route Distance Grouping for Large-Scale Capacitated Arc Routing Problems. IEEE Transactions on Evolutionary Computation, 2014, 18, 435-449.	10.0	105
10	Surrogate-Assisted Evolutionary Multitask Genetic Programming for Dynamic Flexible Job Shop Scheduling. IEEE Transactions on Evolutionary Computation, 2021, 25, 651-665.	10.0	99
11	An Analysis of the Inertia Weight Parameter for Binary Particle Swarm Optimization. IEEE Transactions on Evolutionary Computation, 2016, 20, 666-681.	10.0	97
12	An investigation of ensemble combination schemes for genetic programming based hyper-heuristic approaches to dynamic job shop scheduling. Applied Soft Computing Journal, 2018, 63, 72-86.	7.2	83
13	An Efficient Feature Selection Algorithm for Evolving Job Shop Scheduling Rules With Genetic Programming. IEEE Transactions on Emerging Topics in Computational Intelligence, 2017, 1, 339-353.	4.9	73
14	A time-varying transfer function for balancing the exploration and exploitation ability of a binary PSO. Applied Soft Computing Journal, 2017, 59, 182-196.	7.2	72
15	A Memetic Algorithm for Periodic Capacitated Arc Routing Problem. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1654-1667.	5.0	58
16	A Bilevel Ant Colony Optimization Algorithm for Capacitated Electric Vehicle Routing Problem. IEEE Transactions on Cybernetics, 2022, 52, 10855-10868.	9.5	53
17	A Global Repair Operator for Capacitated Arc Routing Problem. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 723-734.	5.0	50
18	A Hybrid Genetic Programming Algorithm for Automated Design of Dispatching Rules. Evolutionary Computation, 2019, 27, 467-496.	3.0	50

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19	Capacitated arc routing problem in uncertain environments. , 2010, , .		47
20	Automated heuristic design using genetic programming hyper-heuristic for uncertain capacitated arc routing problem. , 2017, , .		47
21	CAPRA: A contour-based accessible path routing algorithm. Information Sciences, 2017, 385-386, 157-173.	6.9	46
22	On investigation of interdependence between sub-problems of the Travelling Thief Problem. Soft Computing, 2016, 20, 157-172.	3.6	44
23	A two-stage genetic programming hyper-heuristic approach with feature selection for dynamic flexible job shop scheduling. , 2019, , .		44
24	Effective decomposition of large-scale separable continuous functions for cooperative co-evolutionary algorithms. , 2014, , .		43
25	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
26	Evolving Dispatching Rules for Multi-objective Dynamic Flexible Job Shop Scheduling via Genetic Programming Hyper-heuristics. , 2019, , .		41
27	Many-objective genetic programming for job-shop scheduling. , 2016, , .		37
28	Evolving heuristics for Dynamic Vehicle Routing with Time Windows using genetic programming. , 2017, , .		37
29	Efficient meta-heuristics for the Multi-Objective Time-Dependent Orienteering Problem. European Journal of Operational Research, 2016, 254, 443-457.	5.7	35
30	Multitask Genetic Programming-Based Generative Hyperheuristics: A Case Study in Dynamic Scheduling. IEEE Transactions on Cybernetics, 2022, 52, 10515-10528.	9.5	35
31	Genetic Programming Hyper-Heuristics with Vehicle Collaboration for Uncertain Capacitated Arc Routing Problems. Evolutionary Computation, 2020, 28, 563-593.	3.0	33
32	Evolutionary Multi-Objective Optimization for Web Service Location Allocation Problem. IEEE Transactions on Services Computing, 2021, 14, 458-471.	4.6	33
33	Improving Efficiency of Heuristics for the Large Scale Traveling Thief Problem. Lecture Notes in Computer Science, 2014, , 631-643.	1.3	32
34	Feature Selection in Evolving Job Shop Dispatching Rules with Genetic Programming. , 2016, , .		32
35	A Predictive-Reactive Approach with Genetic Programming and Cooperative Coevolution for the Uncertain Capacitated Arc Routing Problem. Evolutionary Computation, 2020, 28, 289-316.	3.0	32
36	Novel ensemble genetic programming hyper-heuristics for uncertain capacitated arc routing problem. , 2019, , .		30

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37	Genetic programming hyper-heuristic for multi-vehicle uncertain capacitated arc routing problem. , 2018, , .		28
38	Genetic Programming with Multi-tree Representation for Dynamic Flexible Job Shop Scheduling. Lecture Notes in Computer Science, 2018, , 472-484.	1.3	28
39	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
40	Genetic Programming Hyper-Heuristic with Cooperative Coevolution for Dynamic Flexible Job Shop Scheduling. Lecture Notes in Computer Science, 2018, , 306-321.	1.3	25
41	Genetic programming hyper-heuristic with knowledge transfer for uncertain capacitated arc routing problem. , 2019, , .		24
42	Memetic algorithm with route decomposing for periodic capacitated arc routing problem. Applied Soft Computing Journal, 2017, 52, 1130-1142.	7.2	23
43	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
44	Evolutionary computation for automatic Web service composition: an indirect representation approach. Journal of Heuristics, 2018, 24, 425-456.	1.4	22
45	Genetic Programming with Delayed Routing for Multiobjective Dynamic Flexible Job Shop Scheduling. Evolutionary Computation, 2021, 29, 75-105.	3.0	22
46	A Bi-Level Optimization Model for Grouping Constrained Storage Location Assignment Problems. IEEE Transactions on Cybernetics, 2018, 48, 385-398.	9.5	21
47	A preliminary approach to evolutionary multitasking for dynamic flexible job shop scheduling via genetic programming. , 2020, , .		21
48	Improved memetic algorithm for Capacitated Arc Routing Problem. , 2009, , .		20
49	A Hybrid Genetic Programming Hyper-Heuristic Approach for Online Two-level Resource Allocation in Container-based Clouds. , 2019, , .		20
50	Genetic Programming for Production Scheduling. , 2021, , .		20
51	Heuristic evolution with genetic programming for traveling thief problem. , 2015, , .		19
52	Transfer Learning in Genetic Programming Hyper-heuristic for Solving Uncertain Capacitated Arc Routing Problem. , 2019, , .		19
53	A genetic programming-based hyper-heuristic approach for storage location assignment problem. , 2014, , .		18
54	Dynamic selection of evolutionary operators based on online learning and fitness landscape analysis. Soft Computing, 2016, 20, 3889-3914.	3.6	18

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55	Evolving Time-Invariant Dispatching Rules in Job Shop Scheduling with Genetic Programming. Lecture Notes in Computer Science, 2017, , 147-163.	1.3	18
56	Novel Genetic Algorithm with Dual Chromosome Representation for Resource Allocation in Container-Based Clouds. , 2019, , .		18
57	Genetic Programming With Niching for Uncertain Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2022, 26, 73-87.	10.0	18
58	Surrogate-Assisted Genetic Programming for Dynamic Flexible Job Shop Scheduling. Lecture Notes in Computer Science, 2018, , 766-772.	1.3	18
59	An Improved Genetic Programming Hyper-Heuristic for the Uncertain Capacitated Arc Routing Problem. Lecture Notes in Computer Science, 2018, , 432-444.	1.3	17
60	A PSO-Based Reference Point Adaption Method for Genetic Programming Hyper-Heuristic in Many-Objective Job Shop Scheduling. Lecture Notes in Computer Science, 2017, , 326-338.	1.3	17
61	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
62	Genetic Programming Based Hyper-heuristics for Dynamic Job Shop Scheduling: Cooperative Coevolutionary Approaches. Lecture Notes in Computer Science, 2016, , 115-132.	1.3	16
63	Cooperative coevolution for large-scale global optimization based on fuzzy decomposition. Soft Computing, 2021, 25, 3593-3608.	3.6	16
64	Constrained Dimensionally Aware Genetic Programming for Evolving Interpretable Dispatching Rules in Dynamic Job Shop Scheduling. Lecture Notes in Computer Science, 2017, , 435-447.	1.3	16
65	Adaptive Coordination Ant Colony Optimization for Multipoint Dynamic Aggregation. IEEE Transactions on Cybernetics, 2022, 52, 7362-7376.	9.5	15
66	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
67	Contribution-Based Cooperative Co-Evolution for Nonseparable Large-Scale Problems With Overlapping Subcomponents. IEEE Transactions on Cybernetics, 2022, 52, 4246-4259.	9.5	15
68	Decomposing Large-Scale Capacitated Arc Routing Problems using a random route grouping method. , 2013, , .		14
69	A New Representation in Genetic Programming for Evolving Dispatching Rules for Dynamic Flexible Job Shop Scheduling. Lecture Notes in Computer Science, 2019, , 33-49.	1.3	14
70	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
71	A Novel Genetic Programming Algorithm with Knowledge Transfer for Uncertain Capacitated Arc Routing Problem. Lecture Notes in Computer Science, 2019, , 196-200.	1.3	14
72	Evolutionary Multitask Optimisation for Dynamic Job Shop Scheduling Using Niched Genetic Programming. Lecture Notes in Computer Science, 2018, , 739-751.	1.3	14

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73	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.	10.0	14
74	Can Stochastic Dispatching Rules Evolved by Genetic Programming Hyper-heuristics Help in Dynamic Flexible Job Shop Scheduling?. , 2019, , .		13
75	A Multi-Objective Genetic Programming Hyper-Heuristic Approach to Uncertain Capacitated Arc Routing Problems. , 2020, , .		13
76	Evolutionary scheduling and combinatorial optimisation: Applications, challenges, and future directions. , 2016, , .		12
77	Divide-and-conquer large scale capacitated arc routing problems with route cutting off decomposition. Information Sciences, 2021, 553, 208-224.	6.9	12
78	Variable neighborhood decomposition for Large Scale Capacitated Arc Routing Problem. , 2014, , .		11
79	Particle Swarm Optimisation with Sequence-Like Indirect Representation for Web Service Composition. Lecture Notes in Computer Science, 2016, , 202-218.	1.3	11
80	Feature construction in genetic programming hyper-heuristic for dynamic flexible job shop scheduling. , 2018, , .		11
81	An Ontology-based Two-Stage Approach to Medical Text Classification with Feature Selection by Particle Swarm Optimisation. , 2019, , .		11
82	Evolving Ensembles of Routing Policies using Genetic Programming for Uncertain Capacitated Arc Routing Problem. , 2019, , .		11
83	Fragment-based genetic programming for fully automated multi-objective web service composition. , 2017, , .		10
84	Toward evolving dispatching rules for dynamic job shop scheduling under uncertainty. , 2017, , .		10
85	Genetic Programming Hyper-Heuristics with Probabilistic Prototype Tree Knowledge Transfer for Uncertain Capacitated Arc Routing Problems. , 2020, , .		10
86	Genetic Programming With Knowledge Transfer and Guided Search for Uncertain Capacitated Arc Routing Problem. IEEE Transactions on Evolutionary Computation, 2022, 26, 765-779.	10.0	10
87	Portfolio Optimization through Data Conditioning and Aggregation. , 2011, , .		9
88	A comprehensive analysis on reusability of GP-evolved job shop dispatching rules. , 2016, , .		9
89	Investigating a Machine Breakdown Genetic Programming Approach for Dynamic Job Shop Scheduling. Lecture Notes in Computer Science, 2018, , 253-270.	1.3	9
90	Instance-Rotation-Based Surrogate in Genetic Programming With Brood Recombination for Dynamic Job-Shop Scheduling. IEEE Transactions on Evolutionary Computation, 2023, 27, 1192-1206.	10.0	9

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91	Memetic algorithm with heuristic candidate list strategy for Capacitated Arc Routing Problem. , 2010, , .		8
92	Evolutionary web service composition: A graph-based memetic algorithm. , 2016, , .		8
93	Geometric Semantic Crossover with an Angle-Aware Mating Scheme in Genetic Programming for Symbolic Regression. Lecture Notes in Computer Science, 2017, , 229-245.	1.3	8
94	A Two-Stage Genetic Programming Hyper-Heuristic for Uncertain Capacitated Arc Routing Problem. , 2019, , .		8
95	A Memetic Algorithm for the Task Allocation Problem on Multi-robot Multi-point Dynamic Aggregation Missions. , 2020, , .		8
96	Automated Coordination Strategy Design Using Genetic Programming for Dynamic Multipoint Dynamic Aggregation. IEEE Transactions on Cybernetics, 2022, 52, 13521-13535.	9.5	8
97	A Genetic Programming Hyper-heuristic Approach for Online Resource Allocation in Container-Based Clouds. Lecture Notes in Computer Science, 2018, , 146-152.	1.3	8
98	A Group Genetic Algorithm for Resource Allocation in Container-Based Clouds. Lecture Notes in Computer Science, 2020, , 180-196.	1.3	8
99	Cooperative Coevolution With Knowledge-Based Dynamic Variable Decomposition for Bilevel Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2022, 26, 1553-1565.	10.0	8
100	Dynamic Job Shop Scheduling Under Uncertainty Using Genetic Programming. Proceedings in Adaptation, Learning and Optimization, 2017, , 195-210.	1.6	7
101	Genetic Programming Hyper-Heuristic for Stochastic Team Orienteering Problem with Time Windows. , 2018, , .		7
102	A Hybrid Memetic Approach for Fully Automated Multi-Objective Web Service Composition. , 2018, , .		7
103	Multitasking Genetic Programming for Stochastic Team Orienteering Problem with Time Windows. , 2019, , .		7
104	A fast parallel genetic programming framework with adaptively weighted primitives for symbolic regression. Soft Computing, 2020, 24, 7523-7539.	3.6	7
105	A NSGA-II-based Approach for Multi-objective Micro-service Allocation in Container-based Clouds. , 2020, , .		7
106	A Route Clustering and Search Heuristic for Large-Scale Multidepot-Capacitated Arc Routing Problem. IEEE Transactions on Cybernetics, 2022, 52, 8286-8299.	9.5	7
107	Evolving dispatching rules for dynamic Job shop scheduling with uncertain processing times. , 2017, , .		6
108	Genetic Programming with Archive for Dynamic Flexible Job Shop Scheduling. , 2021, , .		6

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109	Investigating the Generality of Genetic Programming Based Hyper-heuristic Approach to Dynamic Job Shop Scheduling with Machine Breakdown. Lecture Notes in Computer Science, 2017, , 301-313.	1.3	6
110	A memetic level-based learning swarm optimizer for large-scale water distribution network optimization. , 2020, , .		6
111	Joint forward error correction and error concealment for compressed video. , 0, , .		5
112	Niching Genetic Programming based Hyper-heuristic Approach to Dynamic Job Shop Scheduling. , 2016, , .		5
113	Reference Point Adaption Method for Genetic Programming Hyper-Heuristic in Many-Objective Job Shop Scheduling. Lecture Notes in Computer Science, 2018, , 116-131.	1.3	5
114	A Fitness-based Selection Method for Pareto Local Search for Many-Objective Job Shop Scheduling. , 2020, , .		5
115	Two-stage multi-objective genetic programming with archive for uncertain capacitated arc routing problem. , 2021, , .		5
116	Scaling Up Solutions to Storage Location Assignment Problems by Genetic Programming. Lecture Notes in Computer Science, 2014, , 691-702.	1.3	5
117	Particle Swarm Optimization for Multi-Objective Web Service Location Allocation. Lecture Notes in Computer Science, 2016, , 219-234.	1.3	5
118	Evolutionary Computation for Dynamic Capacitated Arc Routing Problem. Studies in Computational Intelligence, 2013, , 377-401.	0.9	5
119	Investigation of Linear Genetic Programming for Dynamic Job Shop Scheduling. , 2021, , .		5
120	Evolving Self-Adaptive Tabu Search Algorithm for Storage Location Assignment Problems. , 2015, , .		4
121	A memetic algorithm-based indirect approach to web service composition. , 2016, , .		4
122	A NSGA-II-based approach for service resource allocation in Cloud. , 2017, , .		4
123	Cluster-based Hyper-Heuristic for Large-Scale Vehicle Routing Problem. , 2020, , .		4
124	A novel multi-task genetic programming approach to uncertain capacitated Arc routing problem. , 2021, , .		4
125	Genetic Programming with Pareto Local Search for Many-Objective Job Shop Scheduling. Lecture Notes in Computer Science, 2019, , 536-548.	1.3	4
126	Diversity-driven Knowledge Transfer for GPHH to Solve Uncertain Capacitated Arc Routing Problem. , 2020, , .		4

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127	Towards Interpretable Routing Policy: A Two Stage Multi-Objective Genetic Programming Approach with Feature Selection for Uncertain Capacitated Arc Routing Problem. , 2020, , .		4
128	An Investigation ofÂMultitask Linear Genetic Programming forÂDynamic Job Shop Scheduling. Lecture Notes in Computer Science, 2022, , 162-178.	1.3	4
129	Learning Heuristics With Different Representations for Stochastic Routing. IEEE Transactions on Cybernetics, 2023, 53, 3205-3219.	9.5	4
130	A restricted neighbourhood Tabu Search for Storage Location Assignment Problem. , 2015, , .		3
131	Improving job shop dispatching rules via terminal weighting and adaptive mutation in genetic programming. , 2016, , .		3
132	Adaptive Reference Point Generation for Many-Objective Optimization Using NSGA-III. Lecture Notes in Computer Science, 2018, , 358-370.	1.3	3
133	Active Sampling for Dynamic Job Shop Scheduling using Genetic Programming. , 2019, , .		3
134	Genetic Programming with Algebraic Simplification for Dynamic Job Shop Scheduling. , 2021, , .		3
135	An Evolutionary Hyper-Heuristic Approach to the Large Scale Vehicle Routing Problem. , 2021, , .		3
136	Sampling Heuristics for Multi-objective Dynamic Job Shop Scheduling Using Island Based Parallel Genetic Programming. Lecture Notes in Computer Science, 2018, , 347-359.	1.3	3
137	Adaptive Search Space through Evolutionary Hyper-Heuristics for the Large-Scale Vehicle Routing Problem. , 2020, , .		3
138	A multi-objective evolutionary algorithm with new reproduction and decomposition mechanisms for the multi-point dynamic aggregation problem. , 2022, , .		3
139	Fast Bi-Objective Feature Selection Using Entropy Measures and Bayesian Inference. , 2016, , .		2
140	A Multi-Objective Genetic Programming Approach with Self-Adaptive Î± Dominance to Uncertain Capacitated Arc Routing Problem. , 2021, , .		2
141	Effective Policy Gradient Search forÂReinforcement Learning Through NEAT Based Feature Extraction. Lecture Notes in Computer Science, 2017, , 473-485.	1.3	2
142	Genetic Programming Hyper-heuristic with Cluster Awareness for Stochastic Team Orienteering Problem with Time Windows. , 2020, , .		2
143	Stratifying Risk of Coronary Artery Disease Using Discriminative Knowledge-Guided Medical Concept Pairings from Clinical Notes. Lecture Notes in Computer Science, 2019, , 457-473.	1.3	2
144	A Parametric Framework for Genetic Programming with Transfer Learning for Uncertain Capacitated Arc Routing Problem. Lecture Notes in Computer Science, 2020, , 150-162.	1.3	2

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145	Simplifying Dispatching Rules inÂGenetic Programming forÂDynamic Job Shop Scheduling. Lecture Notes in Computer Science, 2022, , 95-110.	1.3	2
146	Semantic Linear Genetic Programming for Symbolic Regression. IEEE Transactions on Cybernetics, 2024, 54, 1321-1334.	9.5	2
147	Graph-based linear genetic programming. , 2022, , .		2
148	Look-Ahead Genetic Programming for Uncertain Capacitated Arc Routing Problem. , 2021, , .		1
149	Surrogate-Assisted Genetic Programming with Diverse Transfer for the Uncertain Capacitated Arc Routing Problem. , 2021, , .		1
150	Learning Initialisation Heuristic for Large Scale Vehicle Routing Problem with Genetic Programming. , 2021, , .		1
151	Substituting clinical features using synthetic medical phrases: Medical text data augmentation techniques. Artificial Intelligence in Medicine, 2021, 120, 102167.	6.5	1
152	Evolving Transferable Artificial Neural Networks for Gameplay Tasks via NEAT with Phased Searching. Lecture Notes in Computer Science, 2017, , 39-51.	1.3	1
153	A Dictionary-based Oversampling Approach to Clinical Document Classification on Small and Imbalanced Dataset. , 2020, , .		1
154	Bi-Objective Splitting Delivery VRP with Loading Constraints and Restricted Access. , 2021, , .		1
155	Local ranking explanation for genetic programming evolved routing policies for uncertain capacitated Arc routing problems. , 2022, , .		1
156	Automated state feature learning for actor-critic reinforcement learning through NEAT. , 2017, , .		0
157	Guest editorial: special issue on automated design and adaptation of heuristics for scheduling and combinatorial optimisation. Genetic Programming and Evolvable Machines, 2018, 19, 5-7.	2.2	0
158	A GPHH with Surrogate-assisted Knowledge Transfer for Uncertain Capacitated Arc Routing Problem. , 2020, , .		0
159	An Improved Multi-Objective Genetic Programming Hyper-Heuristic with Archive for Uncertain Capacitated Arc Routing Problem. , 2021, , .		0
160	Learning Penalisation Criterion of Guided Local Search for Large Scale Vehicle Routing Problem. , 2021, , .		0
161	An Investigation on Multi-Objective Fish Breeding Program Design. , 2021, , .		0