

Qiuzhen Lin

List of Publications by Year in descending order

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147
papers

3,971
citations

159358

30
h-index

143772

57
g-index

148
all docs

148
docs citations

148
times ranked

2875
citing authors

#	ARTICLE	IF	CITATIONS
1	An Efficient File Hierarchy Attribute-Based Encryption Scheme in Cloud Computing. IEEE Transactions on Information Forensics and Security, 2016, 11, 1265-1277.	4.5	215
2	A novel multi-objective particle swarm optimization with multiple search strategies. European Journal of Operational Research, 2015, 247, 732-744.	3.5	204
3	Particle Swarm Optimization With a Balanceable Fitness Estimation for Many-Objective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2018, 22, 32-46.	7.5	202
4	A Hybrid Path Planning Method in Unmanned Air/Ground Vehicle (UAV/UGV) Cooperative Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 9585-9596.	3.9	184
5	Adaptive differential evolution algorithm with novel mutation strategies in multiple sub-populations. Computers and Operations Research, 2016, 67, 155-173.	2.4	171
6	An improved NSGA-III algorithm for feature selection used in intrusion detection. Knowledge-Based Systems, 2017, 116, 74-85.	4.0	132
7	A novel artificial bee colony algorithm with depth-first search framework and elite-guided search equation. Information Sciences, 2016, 367-368, 1012-1044.	4.0	112
8	A novel hybrid multi-objective immune algorithm with adaptive differential evolution. Computers and Operations Research, 2015, 62, 95-111.	2.4	103
9	A Constrained Multiobjective Evolutionary Algorithm With Detect-and-Escape Strategy. IEEE Transactions on Evolutionary Computation, 2020, 24, 938-947.	7.5	103
10	An External Archive-Guided Multiobjective Particle Swarm Optimization Algorithm. IEEE Transactions on Cybernetics, 2017, 47, 2794-2808.	6.2	96
11	Blockchain-Based Edge Computing Resource Allocation in IoT: A Deep Reinforcement Learning Approach. IEEE Internet of Things Journal, 2021, 8, 2226-2237.	5.5	93
12	A Clustering-Based Evolutionary Algorithm for Many-Objective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2019, 23, 391-405.	7.5	91
13	A ranking-based adaptive artificial bee colony algorithm for global numerical optimization. Information Sciences, 2017, 417, 169-185.	4.0	89
14	Adaptive multiple-elites-guided composite differential evolution algorithm with a shift mechanism. Information Sciences, 2018, 422, 122-143.	4.0	87
15	Multimodal Multiobjective Evolutionary Optimization With Dual Clustering in Decision and Objective Spaces. IEEE Transactions on Evolutionary Computation, 2021, 25, 130-144.	7.5	78
16	A novel artificial bee colony algorithm with an adaptive population size for numerical function optimization. Information Sciences, 2017, 414, 53-67.	4.0	70
17	Multifactorial optimization via explicit multipopulation evolutionary framework. Information Sciences, 2020, 512, 1555-1570.	4.0	62
18	A novel hybrid differential evolution algorithm with modified CoDE and JADE. Applied Soft Computing Journal, 2016, 47, 577-599.	4.1	60

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19	Adaptive composite operator selection and parameter control for multiobjective evolutionary algorithm. <i>Information Sciences</i> , 2016, 339, 332-352.	4.0	60
20	Simultaneous Arithmetic Coding and Encryption Using Chaotic Maps. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2010, 57, 146-150.	2.2	59
21	An adaptive immune-inspired multi-objective algorithm with multiple differential evolution strategies. <i>Information Sciences</i> , 2018, 430-431, 46-64.	4.0	53
22	A novel micro-population immune multiobjective optimization algorithm. <i>Computers and Operations Research</i> , 2013, 40, 1590-1601.	2.4	52
23	A hybrid immune multiobjective optimization algorithm. <i>European Journal of Operational Research</i> , 2010, 204, 294-302.	3.5	50
24	A novel artificial bee colony algorithm with local and global information interaction. <i>Applied Soft Computing Journal</i> , 2018, 62, 702-735.	4.1	47
25	A multi-objective immune algorithm for intrusion feature selection. <i>Applied Soft Computing Journal</i> , 2020, 95, 106522.	4.1	47
26	A novel adaptive hybrid crossover operator for multiobjective evolutionary algorithm. <i>Information Sciences</i> , 2016, 345, 177-198.	4.0	44
27	Blockchain for Internet of things applications: A review and open issues. <i>Journal of Network and Computer Applications</i> , 2020, 172, 102839.	5.8	44
28	A double-module immune algorithm for multi-objective optimization problems. <i>Applied Soft Computing Journal</i> , 2015, 35, 161-174.	4.1	42
29	Intrusion detection using multi-objective evolutionary convolutional neural network for Internet of Things in Fog computing. <i>Knowledge-Based Systems</i> , 2022, 244, 108505.	4.0	37
30	A Diversity-Enhanced Resource Allocation Strategy for Decomposition-Based Multiobjective Evolutionary Algorithm. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 2388-2401.	6.2	35
31	A novel multiple rule sets data classification algorithm based on ant colony algorithm. <i>Applied Soft Computing Journal</i> , 2016, 38, 1000-1011.	4.1	32
32	A Hybrid Evolutionary Immune Algorithm for Multiobjective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2015, , 1-1.	7.5	28
33	A novel multi-objective immune algorithm with a decomposition-based clonal selection. <i>Applied Soft Computing Journal</i> , 2019, 81, 105490.	4.1	28
34	A Filter Model Based on Hidden Generalized Mixture Transition Distribution Model for Intrusion Detection System in Vehicle Ad Hoc Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 2707-2722.	4.7	27
35	An adaptive clustering-based evolutionary algorithm for many-objective optimization problems. <i>Information Sciences</i> , 2020, 537, 261-283.	4.0	27
36	Bift: A Blockchain-Based Federated Learning System for Connected and Autonomous Vehicles. <i>IEEE Internet of Things Journal</i> , 2022, 9, 12311-12322.	5.5	27

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37	A novel multi-objective evolutionary algorithm with dynamic decomposition strategy. <i>Swarm and Evolutionary Computation</i> , 2019, 48, 182-200.	4.5	26
38	An Effective Ensemble Framework for Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2019, 23, 645-659.	7.5	26
39	A survey of decomposition approaches in multiobjective evolutionary algorithms. <i>Neurocomputing</i> , 2020, 408, 308-330.	3.5	26
40	A Memetic Path Planning Algorithm for Unmanned Air/Ground Vehicle Cooperative Detection Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2022, 19, 2724-2737.	3.4	26
41	Synergizing CRISPR/Cas9 off-target predictions for ensemble insights and practical applications. <i>Bioinformatics</i> , 2019, 35, 1108-1115.	1.8	25
42	A Self-Guided Reference Vector Strategy for Many-Objective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 1164-1178.	6.2	25
43	Dynamic Scalable Elliptic Curve Cryptographic Scheme and Its Application to In-Vehicle Security. <i>IEEE Internet of Things Journal</i> , 2019, 6, 5892-5901.	5.5	24
44	A Three-Level Radial Basis Function Method for Expensive Optimization. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 5720-5731.	6.2	23
45	APPLICATION OF NOVEL CLONAL ALGORITHM IN MULTIOBJECTIVE OPTIMIZATION. <i>International Journal of Information Technology and Decision Making</i> , 2010, 09, 239-266.	2.3	22
46	Error detection in arithmetic coding with artificial markers. <i>Computers and Mathematics With Applications</i> , 2011, 62, 359-366.	1.4	22
47	A Fuzzy Decomposition-Based Multi/Many-Objective Evolutionary Algorithm. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 3495-3509.	6.2	22
48	Meta-Hierarchical Reinforcement Learning (MHRL)-Based Dynamic Resource Allocation for Dynamic Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 3495-3506.	3.9	22
49	Multiobjective Personalized Recommendation Algorithm Using Extreme Point Guided Evolutionary Computation. <i>Complexity</i> , 2018, 2018, 1-18.	0.9	21
50	Reliable Link Inference for Network Data With Community Structures. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 3347-3361.	6.2	21
51	An enhanced variable-length arithmetic coding and encryption scheme using chaotic maps. <i>Journal of Systems and Software</i> , 2013, 86, 1384-1389.	3.3	20
52	Early Cancer Detection from Multianalyte Blood Test Results. <i>IScience</i> , 2019, 15, 332-341.	1.9	20
53	A novel surrogate-assisted evolutionary algorithm with an uncertainty grouping based infill criterion. <i>Swarm and Evolutionary Computation</i> , 2021, 60, 100787.	4.5	20
54	Cost-Aware Robust Control of Signed Networks by Using a Memetic Algorithm. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 4430-4443.	6.2	19

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55	An Ensemble Surrogate-Based Framework for Expensive Multiobjective Evolutionary Optimization. IEEE Transactions on Evolutionary Computation, 2022, 26, 631-645.	7.5	19
56	A Comprehensive Competitive Swarm Optimizer for Large-Scale Multiobjective Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5829-5842.	5.9	19
57	A survey of artificial immune algorithms for multi-objective optimization. Neurocomputing, 2022, 489, 211-229.	3.5	19
58	A novel adaptive control strategy for decomposition-based multiobjective algorithm. Computers and Operations Research, 2017, 78, 94-107.	2.4	18
59	A Variable Importance-Based Differential Evolution for Large-Scale Multiobjective Optimization. IEEE Transactions on Cybernetics, 2022, 52, 13048-13062.	6.2	18
60	Chaos-based multi-objective immune algorithm with a fine-grained selection mechanism. Soft Computing, 2011, 15, 1273-1288.	2.1	17
61	Evolutionary multi and many-objective optimization via clustering for environmental selection. Information Sciences, 2021, 578, 930-949.	4.0	17
62	Optimizing security and quality of service in a Real-time database system using Multi-objective genetic algorithm. Expert Systems With Applications, 2016, 64, 11-23.	4.4	16
63	Evolutionary Large-Scale Multiobjective Optimization: Benchmarks and Algorithms. IEEE Transactions on Evolutionary Computation, 2023, 27, 401-415.	7.5	16
64	Learning to Accelerate Evolutionary Search for Large-Scale Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2023, 27, 67-81.	7.5	16
65	AN IMMUNE-INSPIRED EVOLUTION STRATEGY FOR CONSTRAINED OPTIMIZATION PROBLEMS. International Journal on Artificial Intelligence Tools, 2011, 20, 549-561.	0.7	15
66	A hybridized angle-encouragement-based decomposition approach for many-objective optimization problems. Applied Soft Computing Journal, 2019, 78, 355-372.	4.1	15
67	An Elite Gene Guided Reproduction Operator for Many-Objective Optimization. IEEE Transactions on Cybernetics, 2021, 51, 765-778.	6.2	15
68	Efficient Resource Allocation for Multi-Beam Satellite-Terrestrial Vehicular Networks: A Multi-Agent Actor-Critic Method With Attention Mechanism. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2727-2738.	4.7	15
69	Influence Maximization in Complex Networks by Using Evolutionary Deep Reinforcement Learning. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 995-1009.	3.4	15
70	Multiple source transfer learning for dynamic multiobjective optimization. Information Sciences, 2022, 607, 739-757.	4.0	15
71	Using Weighted Extreme Learning Machine Combined with Scale-invariant Feature Transform to Predict Protein-Protein Interactions from Protein Evolutionary Information. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 1-1.	1.9	14
72	Vertical distance-based clonal selection mechanism for the multiobjective immune algorithm. Swarm and Evolutionary Computation, 2021, 63, 100886.	4.5	14

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73	Knowledge guided Bayesian classification for dynamic multi-objective optimization. Knowledge-Based Systems, 2022, 250, 109173.	4.0	14
74	GENERALIZED ARITHMETIC CODING USING DISCRETE CHAOTIC MAPS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250256.	0.7	13
75	A local search enhanced differential evolutionary algorithm for sparse recovery. Applied Soft Computing Journal, 2017, 57, 144-163.	4.1	13
76	A novel multi-objective co-evolutionary algorithm based on decomposition approach. Applied Soft Computing Journal, 2018, 73, 50-66.	4.1	13
77	Reducing Negative Transfer Learning via Clustering for Dynamic Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2022, 26, 1102-1116.	7.5	13
78	Multi-Neighborhood Learning for Global Alignment in Biological Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 2598-2611.	1.9	12
79	Transmission trend of the COVID-19 pandemic predicted by dendritic neural regression. Applied Soft Computing Journal, 2021, 111, 107683.	4.1	12
80	Joint quantization and diffusion for compressed sensing measurements of natural images. , 2015, , .		11
81	Community-aware dynamic network embedding by using deep autoencoder. Information Sciences, 2020, 519, 22-42.	4.0	11
82	Decomposition-based multiobjective optimization with bicriteria assisted adaptive operator selection. Swarm and Evolutionary Computation, 2021, 60, 100790.	4.5	11
83	Enhancing Robustness and Resilience of Multiplex Networks Against Node-Community Cascading Failures. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3808-3821.	5.9	11
84	Many-objective optimization by using an immune algorithm. Swarm and Evolutionary Computation, 2022, 69, 101026.	4.5	11
85	Evolutionary Multitasking for Large-Scale Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2023, 27, 863-877.	7.5	11
86	A gene-level hybrid search framework for multiobjective evolutionary optimization. Neural Computing and Applications, 2018, 30, 759-773.	3.2	10
87	Multi-objective optimization using self-organizing decomposition and its application to crashworthiness design. Applied Soft Computing Journal, 2021, 101, 107002.	4.1	10
88	Accuracy Versus Simplification in an Approximate Logic Neural Model. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5194-5207.	7.2	9
89	Uncovering the key dimensions of high-throughput biomolecular data using deep learning. Nucleic Acids Research, 2020, 48, e56-e56.	6.5	9
90	Forecasting Wind Speed Time Series Via Dendritic Neural Regression. IEEE Computational Intelligence Magazine, 2021, 16, 50-66.	3.4	9

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91	Evolutionary Architectural Search for Generative Adversarial Networks. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 783-794.	3.4	9
92	Multimodal Multi-objective Optimization Using A Density-based One-by-One Update Strategy. , 2019, , .		8
93	A Novel Hybrid Multi-Objective Particle Swarm Optimization Algorithm With an Adaptive Resource Allocation Strategy. IEEE Access, 2019, 7, 177082-177100.	2.6	8
94	Diversity-Sensitive Generative Adversarial Network for Terrain Mapping Under Limited Human Intervention. IEEE Transactions on Cybernetics, 2021, 51, 6029-6040.	6.2	8
95	SNEGAN: Signed Network Embedding by Using Generative Adversarial Nets. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 136-149.	3.4	8
96	Heuristics and metaheuristics for biological network alignment: A review. Neurocomputing, 2022, 491, 426-441.	3.5	8
97	Objective reduction for many-objective optimization problems using objective subspace extraction. Soft Computing, 2018, 22, 1159-1173.	2.1	7
98	Privacy-Preserving Global Structural Balance Computation in Signed Networks. IEEE Transactions on Computational Social Systems, 2020, 7, 164-177.	3.2	7
99	Evolutionary Dendritic Neural Model for Classification Problems. Complexity, 2020, 2020, 1-13.	0.9	7
100	Noninvasive Cuffless Blood Pressure Estimation With Dendritic Neural Regression. IEEE Transactions on Cybernetics, 2023, 53, 4162-4174.	6.2	7
101	Evolutionary Search with Multiple Utopian Reference Points in Decomposition-Based Multiobjective Optimization. Complexity, 2019, 2019, 1-22.	0.9	6
102	A self-organizing weighted optimization based framework for large-scale multi-objective optimization. Swarm and Evolutionary Computation, 2022, 72, 101084.	4.5	6
103	PathEmb: Random Walk Based Document Embedding for Global Pathway Similarity Search. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1329-1335.	3.9	5
104	Heterodimeric DNA motif synthesis and validations. Nucleic Acids Research, 2019, 47, 1628-1636.	6.5	5
105	Adaptive operator selection with test-and-apply structure for decomposition-based multi-objective optimization. Swarm and Evolutionary Computation, 2022, 68, 101013.	4.5	5
106	Deleterious Non-Synonymous Single Nucleotide Polymorphism Predictions on Human Transcription Factors. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 327-333.	1.9	4
107	Nature-Inspired Compressed Sensing for Transcriptomic Profiling From Random Composite Measurements. IEEE Transactions on Cybernetics, 2021, 51, 4476-4487.	6.2	4
108	PMCDM: Privacy-preserving multiresolution community detection in multiplex networks. Knowledge-Based Systems, 2022, 244, 108542.	4.0	4

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109	Competitive Decomposition-Based Multiobjective Architecture Search for the Dendritic Neural Model. IEEE Transactions on Cybernetics, 2023, 53, 6829-6842.	6.2	4
110	An Effective Error Correction Scheme for Arithmetic Coding. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	3
111	Artificial Bee Colony Algorithm Based on Neighboring Information Learning. Lecture Notes in Computer Science, 2016, , 279-289.	1.0	3
112	A Constrained Solution Update Strategy for Multiobjective Evolutionary Algorithm Based on Decomposition. Complexity, 2019, 2019, 1-11.	0.9	3
113	A Rainbow-Based Authenticated Scheme for Securing Smart Connected Health Systems. Journal of Medical Systems, 2019, 43, 276.	2.2	3
114	Decomposition-Based Multiobjective Evolutionary Optimization with Adaptive Multiple Gaussian Process Models. Complexity, 2020, 2020, 1-22.	0.9	3
115	A Novel Angular-Guided Particle Swarm Optimizer for Many-Objective Optimization Problems. Complexity, 2020, 2020, 1-18.	0.9	3
116	An Evolutionary Algorithm with Clustering-Based Assisted Selection Strategy for Multimodal Multiobjective Optimization. Complexity, 2021, 2021, 1-13.	0.9	3
117	A Novel Many-Objective Optimization Algorithm Based on the Hybrid Angle-Encouragement Decomposition. Lecture Notes in Computer Science, 2018, , 47-53.	1.0	3
118	A novel multimodal multiobjective memetic algorithm with a local detection mechanism and a clustering-based selection strategy. Memetic Computing, 2023, 15, 31-43.	2.7	3
119	A dynamic multi-objective evolutionary algorithm based on polynomial regression and adaptive clustering. Swarm and Evolutionary Computation, 2022, 71, 101075.	4.5	3
120	A Gene-Level Hybrid Crossover Operator for Multiobjective Evolutionary Algorithm. , 2015, , .		2
121	A Novel PSO-DE Co-evolutionary Algorithm Based on Decomposition Framework. Lecture Notes in Computer Science, 2017, , 381-389.	1.0	2
122	A Novel Multiobjective Particle Swarm Optimization Algorithm with Dynamic Resource Allocation. , 2019, , .		2
123	Balancing Convergence and Diversity in Multiobjective Immune Algorithm. , 2020, , .		2
124	Evolutionary Convolutional Neural Network: An Application to Intrusion Detection. , 2021, , .		2
125	Meaningful color image encryption algorithm based on compressive sensing and chaotic map. , 2021, , .		2
126	A Fast-adaptive Edge Resource Allocation Strategy for Dynamic Vehicular Networks. , 2021, , .		2

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127	Enhance Differential Evolution Algorithm Based on Novel Mutation Strategy and Parameter Control Method. Lecture Notes in Computer Science, 2015, , 634-643.	1.0	1
128	On Stability of Multi-Valued Nonlinear Feedback Shift Registers. Complexity, 2019, 2019, 1-11.	0.9	1
129	Dynamic Multiobjective Optimization with Multiple Response Strategies Based on Linear Environment Detection. Complexity, 2020, 2020, 1-26.	0.9	1
130	An Improved Weighted Optimization-based Framework for Large-scale MOPs. , 2021, , .		1
131	An Improved Clonal Algorithm in Multiobjective Optimization. Journal of Software, 2009, 4, .	0.6	1
132	Evolutionary Neural Architecture Design of Liquid State Machine for Image Classification. , 2022, , .		1
133	Multiresolution community detection in complex networks by using a decomposition based multiobjective memetic algorithm. Memetic Computing, 2023, 15, 89-102.	2.7	1
134	A Novel Clonal Algorithm for Multiobjective Optimization. , 2008, , .		0
135	Improving the error correction capability of arithmetic coding by forecasting forbidden symbols. , 2013, , .		0
136	An improved iterative decoding scheme based on error-resistant arithmetic code. , 2014, , .		0
137	An Elite Archive-Based MOEA/D Algorithm. Lecture Notes in Computer Science, 2017, , 236-247.	1.0	0
138	A Novel Multi-objective Evolutionary Algorithm Based on a Further Decomposition Strategy. , 2017, , .		0
139	Feature Selection Using an Improved Multi-objective Immune Algorithm for Intrusion Detection. , 2019, , .		0
140	Towards Dynamic Verifiable Pattern Matching. IEEE Transactions on Big Data, 2021, 7, 421-435.	4.4	0
141	An Efficient Competitive Swarm Optimizer for Solving Large-Scale Multi-objective Optimization Problems. Lecture Notes in Computer Science, 2021, , 72-85.	1.0	0
142	A Short Survey of Multi-objective Immune Algorithm Based on Clonal Selection. Lecture Notes in Computer Science, 2020, , 549-559.	1.0	0
143	Network Intrusion Detection by an Approximate Logic Neural Model. , 2021, , .		0
144	An Adaptive Asynchronous Transfer Evolutionary Framework Towards Many-Task Optimization. , 2021, , .		0

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145	A Modified Decomposition Based Multi-objective Optimization Algorithm for High Dimensional Feature Selection. , 2021, , .		0
146	A Multiobjective Multitask Evolutionary Algorithm Based on Decomposition and Multivariate Gaussian Distribution. , 2021, , .		0
147	Adapting Decomposed Directions for Evolutionary Multiobjective Optimization. IEEE Transactions on Cybernetics, 2022, PP, 1-14.	6.2	0