Qiuzhen Lin

List of Publications by Citations

128	2,307	25	44
papers	citations	h-index	g-index
148	2,985	6.4	5.6
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
128	An Efficient File Hierarchy Attribute-Based Encryption Scheme in Cloud Computing. *IEEE Transactions on Information Forensics and Security*, **2016**, 11, 1265-1277	8	162
127	A novel multi-objective particle swarm optimization with multiple search strategies. *European Journal of Operational Research*, **2015**, 247, 732-744	5.6	137
126	Adaptive differential evolution algorithm with novel mutation strategies in multiple sub-populations. *Computers and Operations Research*, **2016**, 67, 155-173	4.6	134
125	A Hybrid Path Planning Method in Unmanned Air/Ground Vehicle (UAV/UGV) Cooperative Systems. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 9585-9596	6.8	120
124	Particle Swarm Optimization With a Balanceable Fitness Estimation for Many-Objective Optimization Problems. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 32-46	15.6	116
123	A novel artificial bee colony algorithm with depth-first search framework and elite-guided search equation. *Information Sciences*, **2016**, 367-368, 1012-1044	7.7	91
122	An improved NSGA-III algorithm for feature selection used in intrusion detection. *Knowledge-Based Systems*, **2017**, 116, 74-85	7.3	90
121	A novel hybrid multi-objective immune algorithm with adaptive differential evolution. *Computers and Operations Research*, **2015**, 62, 95-111	4.6	84
120	A ranking-based adaptive artificial bee colony algorithm for global numerical optimization. *Information Sciences*, **2017**, 417, 169-185	7.7	65
119	An External Archive-Guided Multiobjective Particle Swarm Optimization Algorithm. *IEEE Transactions on Cybernetics*, **2017**, 47, 2794-2808	10.2	58
118	Adaptive multiple-elites-guided composite differential evolution algorithm with a shift mechanism. *Information Sciences*, **2018**, 422, 122-143	7.7	56
117	A novel artificial bee colony algorithm with an adaptive population size for numerical function optimization. *Information Sciences*, **2017**, 414, 53-67	7.7	50
116	Adaptive composite operator selection and parameter control for multiobjective evolutionary algorithm. *Information Sciences*, **2016**, 339, 332-352	7.7	49
115	A novel micro-population immune multiobjective optimization algorithm. *Computers and Operations Research*, **2013**, 40, 1590-1601	4.6	48
114	Simultaneous Arithmetic Coding and Encryption Using Chaotic Maps. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2010**, 57, 146-150	3.5	47
113	A novel hybrid differential evolution algorithm with modified CoDE and JADE. *Applied Soft Computing Journal*, **2016**, 47, 577-599	7.5	46
112	A Clustering-Based Evolutionary Algorithm for Many-Objective Optimization Problems. *IEEE Transactions on Evolutionary Computation*, **2019**, 23, 391-405	15.6	45

111	A hybrid immune multiobjective optimization algorithm. *European Journal of Operational Research*, **2010**, 204, 294-302	5.6	45
110	An adaptive immune-inspired multi-objective algorithm with multiple differential evolution strategies. *Information Sciences*, **2018**, 430-431, 46-64	7.7	40
109	A double-module immune algorithm for multi-objective optimization problems. *Applied Soft Computing Journal*, **2015**, 35, 161-174	7.5	39
108	A Constrained Multiobjective Evolutionary Algorithm With Detect-and-Escape Strategy. *IEEE Transactions on Evolutionary Computation*, **2020**, 24, 938-947	15.6	35
107	A novel adaptive hybrid crossover operator for multiobjective evolutionary algorithm. *Information Sciences*, **2016**, 345, 177-198	7.7	35
106	Blockchain-Based Edge Computing Resource Allocation in IoT: A Deep Reinforcement Learning Approach. *IEEE Internet of Things Journal*, **2021**, 8, 2226-2237	10.7	35
105	Multifactorial optimization via explicit multipopulation evolutionary framework. *Information Sciences*, **2020**, 512, 1555-1570	7.7	28
104	A novel artificial bee colony algorithm with local and global information interaction. *Applied Soft Computing Journal*, **2018**, 62, 702-735	7.5	28
103	A Diversity-Enhanced Resource Allocation Strategy for Decomposition-Based Multiobjective Evolutionary Algorithm. *IEEE Transactions on Cybernetics*, **2018**, 48, 2388-2401	10.2	25
102	A novel multiple rule sets data classification algorithm based on ant colony algorithm. *Applied Soft Computing Journal*, **2016**, 38, 1000-1011	7.5	24
101	Multimodal Multiobjective Evolutionary Optimization With Dual Clustering in Decision and Objective Spaces. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 130-144	15.6	22
100	APPLICATION OF NOVEL CLONAL ALGORITHM IN MULTIOBJECTIVE OPTIMIZATION. *International Journal of Information Technology and Decision Making*, **2010**, 09, 239-266	2.8	20
99	Blockchain for Internet of things applications: A review and open issues. *Journal of Network and Computer Applications*, **2020**, 172, 102839	7.9	20
98	A novel multi-objective immune algorithm with a decomposition-based clonal selection. *Applied Soft Computing Journal*, **2019**, 81, 105490	7.5	19
97	Error detection in arithmetic coding with artificial markers. *Computers and Mathematics With Applications*, **2011**, 62, 359-366	2.7	19
96	A multi-objective immune algorithm for intrusion feature selection. *Applied Soft Computing Journal*, **2020**, 95, 106522	7.5	18
95	A Filter Model Based on Hidden Generalized Mixture Transition Distribution Model for Intrusion Detection System in Vehicle Ad Hoc Networks. *IEEE Transactions on Intelligent Transportation Systems*, **2019**, 1-16	6.1	17
94	A novel adaptive control strategy for decomposition-based multiobjective algorithm. *Computers and Operations Research*, **2017**, 78, 94-107	4.6	17

93	Chaos-based multi-objective immune algorithm with a fine-grained selection mechanism. *Soft Computing*, **2011**, 15, 1273-1288	3.5	16
92	An enhanced variable-length arithmetic coding and encryption scheme using chaotic maps. *Journal of Systems and Software*, **2013**, 86, 1384-1389	3.3	15
91	An Effective Ensemble Framework for Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2019**, 23, 645-659	15.6	15
90	A novel multi-objective evolutionary algorithm with dynamic decomposition strategy. *Swarm and Evolutionary Computation*, **2019**, 48, 182-200	9.8	14
89	AN IMMUNE-INSPIRED EVOLUTION STRATEGY FOR CONSTRAINED OPTIMIZATION PROBLEMS. *International Journal on Artificial Intelligence Tools*, **2011**, 20, 549-561	0.9	14
88	Early Cancer Detection from Multianalyte Blood Test Results. *IScience*, **2019**, 15, 332-341	6.1	13
87	Synergizing CRISPR/Cas9 off-target predictions for ensemble insights and practical applications. *Bioinformatics*, **2019**, 35, 1108-1115	7.2	13
86	Reliable Link Inference for Network Data With Community Structures. *IEEE Transactions on Cybernetics*, **2019**, 49, 3347-3361	10.2	13
85	Dynamic Scalable Elliptic Curve Cryptographic Scheme and Its Application to In-Vehicle Security. *IEEE Internet of Things Journal*, **2019**, 6, 5892-5901	10.7	13
84	Multiobjective Personalized Recommendation Algorithm Using Extreme Point Guided Evolutionary Computation. *Complexity*, **2018**, 2018, 1-18	1.6	13
83	. *IEEE Transactions on Evolutionary Computation*, **2015**, 1-1	15.6	12
82	An adaptive clustering-based evolutionary algorithm for many-objective optimization problems. *Information Sciences*, **2020**, 537, 261-283	7.7	11
81	Cost-Aware Robust Control of Signed Networks by Using a Memetic Algorithm. *IEEE Transactions on Cybernetics*, **2020**, 50, 4430-4443	10.2	11
80	A local search enhanced differential evolutionary algorithm for sparse recovery. *Applied Soft Computing Journal*, **2017**, 57, 144-163	7.5	10
79	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	7.8	10
78	GENERALIZED ARITHMETIC CODING USING DISCRETE CHAOTIC MAPS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2012**, 22, 1250256	2	9
77	A novel multi-objective co-evolutionary algorithm based on decomposition approach. *Applied Soft Computing Journal*, **2018**, 73, 50-66	7.5	9
76	A survey of decomposition approaches in multiobjective evolutionary algorithms. *Neurocomputing*, **2020**, 408, 308-330	5.4	8

75	Joint quantization and diffusion for compressed sensing measurements of natural images **2015**,		8
74	A hybridized angle-encouragement-based decomposition approach for many-objective optimization problems. *Applied Soft Computing Journal*, **2019**, 78, 355-372	7.5	8
73	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, 1546-1554	3	7
72	An Elite Gene Guided Reproduction Operator for Many-Objective Optimization. *IEEE Transactions on Cybernetics*, **2021**, 51, 765-778	10.2	7
71	A Three-Level Radial Basis Function Method for Expensive Optimization. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	7
70	A Memetic Path Planning Algorithm for Unmanned Air/Ground Vehicle Cooperative Detection Systems. *IEEE Transactions on Automation Science and Engineering*, **2021**, 1-14	4.9	7
69	Multi-Neighborhood Learning for Global Alignment in Biological Networks. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2021**, 18, 2598-2611	3	6
68	Vertical distance-based clonal selection mechanism for the multiobjective immune algorithm. *Swarm and Evolutionary Computation*, **2021**, 63, 100886	9.8	6
67	Evolutionary Large-Scale Multiobjective Optimization: Benchmarks and Algorithms. *IEEE Transactions on Evolutionary Computation*, **2021**, 1-1	15.6	6
66	Evolutionary Search with Multiple Utopian Reference Points in Decomposition-Based Multiobjective Optimization. *Complexity*, **2019**, 2019, 1-22	1.6	5
65	Community-aware dynamic network embedding by using deep autoencoder. *Information Sciences*, **2020**, 519, 22-42	7.7	5
64	Objective reduction for many-objective optimization problems using objective subspace extraction. *Soft Computing*, **2018**, 22, 1159-1173	3.5	5
63	PathEmb: Random Walk Based Document Embedding for Global Pathway Similarity Search. *IEEE Journal of Biomedical and Health Informatics*, **2019**, 23, 1329-1335	7.2	5
62	Multimodal Multi-objective Optimization Using A Density-based One-by-One Update Strategy **2019**,		5
61	Decomposition-based multiobjective optimization with bicriteria assisted adaptive operator selection. *Swarm and Evolutionary Computation*, **2021**, 60, 100790	9.8	5
60	Multi-objective optimization using self-organizing decomposition and its application to crashworthiness design. *Applied Soft Computing Journal*, **2021**, 101, 107002	7.5	5
59	Evolutionary multi and many-objective optimization via clustering for environmental selection. *Information Sciences*, **2021**, 578, 930-949	7.7	5
58	Uncovering the key dimensions of high-throughput biomolecular data using deep learning. *Nucleic Acids Research*, **2020**, 48, e56	20.1	4

57	A gene-level hybrid search framework for multiobjective evolutionary optimization. *Neural Computing and Applications*, **2018**, 30, 759-773	4.8	4
56	A Self-Guided Reference Vector Strategy for Many-Objective Optimization. *IEEE Transactions on Cybernetics*, **2020**,	10.2	4
55	Bift: A Blockchain-Based Federated Learning System for Connected and Autonomous Vehicles. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	4
54	Evolutionary Dendritic Neural Model for Classification Problems. *Complexity*, **2020**, 2020, 1-13	1.6	4
53	Accuracy Versus Simplification in an Approximate Logic Neural Model. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 5194-5207	10.3	4
52	Diversity-Sensitive Generative Adversarial Network for Terrain Mapping Under Limited Human Intervention. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	3
51	Decomposition-Based Multiobjective Evolutionary Optimization with Adaptive Multiple Gaussian Process Models. *Complexity*, **2020**, 2020, 1-22	1.6	3
50	Evolutionary Architectural Search for Generative Adversarial Networks. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2022**, 1-12	4.1	3
49	Using Weighted Extreme Learning Machine Combined with Scale-Invariant Feature Transform to Predict Protein-Protein Interactions from Protein Evolutionary Information. *Lecture Notes in Computer Science*, **2018**, 527-532	0.9	3
48	A Fuzzy Decomposition-Based Multi/Many-Objective Evolutionary Algorithm. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	3
47	A Novel Hybrid Multi-Objective Particle Swarm Optimization Algorithm With an Adaptive Resource Allocation Strategy. *IEEE Access*, **2019**, 7, 177082-177100	3.5	3
46	Transmission trend of the COVID-19 pandemic predicted by dendritic neural regression. *Applied Soft Computing Journal*, **2021**, 111, 107683	7.5	3
45	Intrusion detection using multi-objective evolutionary convolutional neural network for Internet of Things in Fog computing. *Knowledge-Based Systems*, **2022**, 244, 108505	7.3	3
44	A Rainbow-Based Authentical Scheme for Securing Smart Connected Health Systems. *Journal of Medical Systems*, **2019**, 43, 276	5.1	2
43	A Gene-Level Hybrid Crossover Operator for Multiobjective Evolutionary Algorithm **2015**,		2
42	A Comprehensive Competitive Swarm Optimizer for Large-Scale Multiobjective Optimization. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-14	7.3	2
41	Influence Maximization in Complex Networks by Using Evolutionary Deep Reinforcement Learning. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2022**, 1-15	4.1	2
40	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*, **2021**, 1-12	6.1	2

39	A Novel Many-Objective Optimization Algorithm Based on the Hybrid Angle-Encouragement Decomposition. *Lecture Notes in Computer Science*, **2018**, 47-53	0.9	2
38	Privacy-Preserving Global Structural Balance Computation in Signed Networks. *IEEE Transactions on Computational Social Systems*, **2020**, 7, 164-177	4.5	2
37	Nature-Inspired Compressed Sensing for Transcriptomic Profiling From Random Composite Measurements. *IEEE Transactions on Cybernetics*, **2021**, 51, 4476-4487	10.2	2
36	Evolutionary Convolutional Neural Network: An Application to Intrusion Detection **2021**,		2
35	Artificial Bee Colony Algorithm Based on Neighboring Information Learning. *Lecture Notes in Computer Science*, **2016**, 279-289	0.9	2
34	A novel surrogate-assisted evolutionary algorithm with an uncertainty grouping based infill criterion. *Swarm and Evolutionary Computation*, **2021**, 60, 100787	9.8	2
33	A Variable Importance-Based Differential Evolution for Large-Scale Multiobjective Optimization. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	2
32	An Ensemble Surrogate-based Framework for Expensive Multiobjective Evolutionary Optimization. *IEEE Transactions on Evolutionary Computation*, **2021**, 1-1	15.6	2
31	A survey of artificial immune algorithms for multi-objective optimization. *Neurocomputing*, **2022**, 489, 211-229	5.4	2
30	Knowledge guided Bayesian classification for dynamic multi-objective optimization. *Knowledge-Based Systems*, **2022**, 109173	7.3	2
29	A Novel PSO-DE Co-evolutionary Algorithm Based on Decomposition Framework. *Lecture Notes in Computer Science*, **2017**, 381-389	0.9	1
28	On Stability of Multi-Valued Nonlinear Feedback Shift Registers. *Complexity*, **2019**, 2019, 1-11	1.6	1
27	A Novel Angular-Guided Particle Swarm Optimizer for Many-Objective Optimization Problems. *Complexity*, **2020**, 2020, 1-18	1.6	1
26	A Constrained Solution Update Strategy for Multiobjective Evolutionary Algorithm Based on Decomposition. *Complexity*, **2019**, 2019, 1-11	1.6	1
25	An Effective Error Correction Scheme for Arithmetic Coding. *Mathematical Problems in Engineering*, **2015**, 2015, 1-10	1.1	1
24	Enhance Differential Evolution Algorithm Based on Novel Mutation Strategy and Parameter Control Method. *Lecture Notes in Computer Science*, **2015**, 634-643	0.9	1
23	Meta-Hierarchical Reinforcement Learning (MHRL)-based Dynamic Resource Allocation for Dynamic Vehicular Networks. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	1
22	SNEGAN: Signed Network Embedding by Using Generative Adversarial Nets. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2020**, 1-14	4.1	1

21	Adaptive operator selection with test-and-apply structure for decomposition-based multi-objective optimization. *Swarm and Evolutionary Computation*, **2022**, 68, 101013	9.8	1
20	Many-objective optimization by using an immune algorithm. *Swarm and Evolutionary Computation*, **2022**, 69, 101026	9.8	1
19	Balancing Convergence and Diversity in Multiobjective Immune Algorithm **2020**,		1
18	Heterodimeric DNA motif synthesis and validations. *Nucleic Acids Research*, **2019**, 47, 1628-1636	20.1	1
17	Deleterious Non-Synonymous Single Nucleotide Polymorphism Predictions on Human Transcription Factors. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2020**, 17, 327-333	3	1
16	Enhancing Robustness and Resilience of Multiplex Networks Against Node-Community Cascading Failures. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-14	7.3	1
15	. *IEEE Computational Intelligence Magazine*, **2021**, 16, 50-66	5.6	1
14	An Evolutionary Algorithm with Clustering-Based Assisted Selection Strategy for Multimodal Multiobjective Optimization. *Complexity*, **2021**, 2021, 1-13	1.6	1
13	A Dynamic Multi-objective Evolutionary Algorithm based on Polynomial Regression and Adaptive Clustering. *Swarm and Evolutionary Computation*, **2022**, 101075	9.8	1
12	PMCDM: Privacy-preserving multiresolution community detection in multiplex networks. *Knowledge-Based Systems*, **2022**, 244, 108542	7.3	1
11	Heuristics and metaheuristics for biological network alignment: A review. *Neurocomputing*, **2022**, 491, 426-441	5.4	1
10	Evolutionary Multitasking for Large-Scale Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2022**, 1-1	15.6	1
9	Reducing Negative Transfer Learning via Clustering for Dynamic Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2022**, 1-1	15.6	0
8	Learning to Accelerate Evolutionary Search for Large-Scale Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2022**, 1-1	15.6	0
7	A Self-organizing Weighted Optimization based Framework for Large-scale Multi-objective Optimization. *Swarm and Evolutionary Computation*, **2022**, 101084	9.8	0
6	An Elite Archive-Based MOEA/D Algorithm. *Lecture Notes in Computer Science*, **2017**, 236-247	0.9	
5	A novel multimodal multiobjective memetic algorithm with a local detection mechanism and a clustering-based selection strategy. *Memetic Computing*,1	3.4	
4	A Short Survey of Multi-objective Immune Algorithm Based on Clonal Selection. *Lecture Notes in Computer Science*, **2020**, 549-559	0.9	

3	Dynamic Multiobjective Optimization with Multiple Response Strategies Based on Linear Environment Detection. *Complexity*, **2020**, 2020, 1-26	1.6
2	. *IEEE Transactions on Big Data*, **2021**, 7, 421-435	3.2
1	An Efficient Competitive Swarm Optimizer for Solving Large-Scale Multi-objective Optimization Problems. *Lecture Notes in Computer Science*, **2021**, 72-85	0.9