

# Qiuzhen Lin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

128  
papers

2,307  
citations

25  
h-index

44  
g-index

148  
ext. papers

2,985  
ext. citations

6.4  
avg, IF

5.6  
L-index

#	Paper	IF	Citations
128	Meta-Hierarchical Reinforcement Learning (MHRL)-based Dynamic Resource Allocation for Dynamic Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	1
127	Influence Maximization in Complex Networks by Using Evolutionary Deep Reinforcement Learning. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2022</b> , 1-15	4.1	2
126	Reducing Negative Transfer Learning via Clustering for Dynamic Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2022</b> , 1-1	15.6	0
125	Evolutionary Architectural Search for Generative Adversarial Networks. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2022</b> , 1-12	4.1	3
124	Adaptive operator selection with test-and-apply structure for decomposition-based multi-objective optimization. <i>Swarm and Evolutionary Computation</i> , <b>2022</b> , 68, 101013	9.8	1
123	Many-objective optimization by using an immune algorithm. <i>Swarm and Evolutionary Computation</i> , <b>2022</b> , 69, 101026	9.8	1
122	Learning to Accelerate Evolutionary Search for Large-Scale Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2022</b> , 1-1	15.6	0
121	A Dynamic Multi-objective Evolutionary Algorithm based on Polynomial Regression and Adaptive Clustering. <i>Swarm and Evolutionary Computation</i> , <b>2022</b> , 101075	9.8	1
120	Intrusion detection using multi-objective evolutionary convolutional neural network for Internet of Things in Fog computing. <i>Knowledge-Based Systems</i> , <b>2022</b> , 244, 108505	7.3	3
119	PMCDM: Privacy-preserving multiresolution community detection in multiplex networks. <i>Knowledge-Based Systems</i> , <b>2022</b> , 244, 108542	7.3	1
118	A survey of artificial immune algorithms for multi-objective optimization. <i>Neurocomputing</i> , <b>2022</b> , 489, 211-229	5.4	2
117	Heuristics and metaheuristics for biological network alignment: A review. <i>Neurocomputing</i> , <b>2022</b> , 491, 426-441	5.4	1
116	Evolutionary Multitasking for Large-Scale Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2022</b> , 1-1	15.6	1
115	A Self-organizing Weighted Optimization based Framework for Large-scale Multi-objective Optimization. <i>Swarm and Evolutionary Computation</i> , <b>2022</b> , 101084	9.8	0
114	Knowledge guided Bayesian classification for dynamic multi-objective optimization. <i>Knowledge-Based Systems</i> , <b>2022</b> , 109173	7.3	2
113	Multi-Neighborhood Learning for Global Alignment in Biological Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2021</b> , 18, 2598-2611	3	6
112	A Comprehensive Competitive Swarm Optimizer for Large-Scale Multiobjective Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-14	7.3	2

111	Bift: A Blockchain-Based Federated Learning System for Connected and Autonomous Vehicles. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	4
110	Efficient Resource Allocation for Multi-Beam Satellite-Terrestrial Vehicular Networks: A Multi-Agent Actor-Critic Method With Attention Mechanism. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-12	6.1	2
109	Nature-Inspired Compressed Sensing for Transcriptomic Profiling From Random Composite Measurements. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 4476-4487	10.2	2
108	Accuracy Versus Simplification in an Approximate Logic Neural Model. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 5194-5207	10.3	4
107	Evolutionary Convolutional Neural Network: An Application to Intrusion Detection <b>2021</b> ,		2
106	Vertical distance-based clonal selection mechanism for the multiobjective immune algorithm. <i>Swarm and Evolutionary Computation</i> , <b>2021</b> , 63, 100886	9.8	6
105	. <i>IEEE Transactions on Big Data</i> , <b>2021</b> , 7, 421-435	3.2	
104	Multimodal Multiobjective Evolutionary Optimization With Dual Clustering in Decision and Objective Spaces. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 25, 130-144	15.6	22
103	Decomposition-based multiobjective optimization with bicriteria assisted adaptive operator selection. <i>Swarm and Evolutionary Computation</i> , <b>2021</b> , 60, 100790	9.8	5
102	A novel surrogate-assisted evolutionary algorithm with an uncertainty grouping based infill criterion. <i>Swarm and Evolutionary Computation</i> , <b>2021</b> , 60, 100787	9.8	2
101	Multi-objective optimization using self-organizing decomposition and its application to crashworthiness design. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 101, 107002	7.5	5
100	Blockchain-Based Edge Computing Resource Allocation in IoT: A Deep Reinforcement Learning Approach. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 2226-2237	10.7	35
99	An Elite Gene Guided Reproduction Operator for Many-Objective Optimization. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 765-778	10.2	7
98	A Three-Level Radial Basis Function Method for Expensive Optimization. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	7
97	A Variable Importance-Based Differential Evolution for Large-Scale Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	2
96	An Ensemble Surrogate-based Framework for Expensive Multiobjective Evolutionary Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 1-1	15.6	2
95	Evolutionary Large-Scale Multiobjective Optimization: Benchmarks and Algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 1-1	15.6	6
94	An Efficient Competitive Swarm Optimizer for Solving Large-Scale Multi-objective Optimization Problems. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 72-85	0.9	

93	Enhancing Robustness and Resilience of Multiplex Networks Against Node-Community Cascading Failures. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-14	7.3	1
92	. <i>IEEE Computational Intelligence Magazine</i> , <b>2021</b> , 16, 50-66	5.6	1
91	Transmission trend of the COVID-19 pandemic predicted by dendritic neural regression. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 111, 107683	7.5	3
90	Evolutionary multi and many-objective optimization via clustering for environmental selection. <i>Information Sciences</i> , <b>2021</b> , 578, 930-949	7.7	5
89	An Evolutionary Algorithm with Clustering-Based Assisted Selection Strategy for Multimodal Multiobjective Optimization. <i>Complexity</i> , <b>2021</b> , 2021, 1-13	1.6	1
88	A Memetic Path Planning Algorithm for Unmanned Air/Ground Vehicle Cooperative Detection Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2021</b> , 1-14	4.9	7
87	An adaptive clustering-based evolutionary algorithm for many-objective optimization problems. <i>Information Sciences</i> , <b>2020</b> , 537, 261-283	7.7	11
86	A survey of decomposition approaches in multiobjective evolutionary algorithms. <i>Neurocomputing</i> , <b>2020</b> , 408, 308-330	5.4	8
85	A Constrained Multiobjective Evolutionary Algorithm With Detect-and-Escape Strategy. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2020</b> , 24, 938-947	15.6	35
84	Diversity-Sensitive Generative Adversarial Network for Terrain Mapping Under Limited Human Intervention. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	3
83	Decomposition-Based Multiobjective Evolutionary Optimization with Adaptive Multiple Gaussian Process Models. <i>Complexity</i> , <b>2020</b> , 2020, 1-22	1.6	3
82	Using Weighted Extreme Learning Machine Combined With Scale-Invariant Feature Transform to Predict Protein-Protein Interactions From Protein Evolutionary Information. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2020</b> , 17, 1546-1554	3	7
81	Community-aware dynamic network embedding by using deep autoencoder. <i>Information Sciences</i> , <b>2020</b> , 519, 22-42	7.7	5
80	A Novel Angular-Guided Particle Swarm Optimizer for Many-Objective Optimization Problems. <i>Complexity</i> , <b>2020</b> , 2020, 1-18	1.6	1
79	Uncovering the key dimensions of high-throughput biomolecular data using deep learning. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, e56	20.1	4
78	SNEGAN: Signed Network Embedding by Using Generative Adversarial Nets. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2020</b> , 1-14	4.1	1
77	A Self-Guided Reference Vector Strategy for Many-Objective Optimization. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> ,	10.2	4
76	A Short Survey of Multi-objective Immune Algorithm Based on Clonal Selection. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 549-559	0.9	

75	Multifactorial optimization via explicit multipopulation evolutionary framework. <i>Information Sciences</i> , <b>2020</b> , 512, 1555-1570	7.7	28
74	Cost-Aware Robust Control of Signed Networks by Using a Memetic Algorithm. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 4430-4443	10.2	11
73	Privacy-Preserving Global Structural Balance Computation in Signed Networks. <i>IEEE Transactions on Computational Social Systems</i> , <b>2020</b> , 7, 164-177	4.5	2
72	Blockchain for Internet of things applications: A review and open issues. <i>Journal of Network and Computer Applications</i> , <b>2020</b> , 172, 102839	7.9	20
71	A multi-objective immune algorithm for intrusion feature selection. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 95, 106522	7.5	18
70	A Fuzzy Decomposition-Based Multi/Many-Objective Evolutionary Algorithm. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	3
69	Balancing Convergence and Diversity in Multiobjective Immune Algorithm <b>2020</b> ,		1
68	Evolutionary Dendritic Neural Model for Classification Problems. <i>Complexity</i> , <b>2020</b> , 2020, 1-13	1.6	4
67	Dynamic Multiobjective Optimization with Multiple Response Strategies Based on Linear Environment Detection. <i>Complexity</i> , <b>2020</b> , 2020, 1-26	1.6	
66	Deleterious Non-Synonymous Single Nucleotide Polymorphism Predictions on Human Transcription Factors. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2020</b> , 17, 327-333	3	1
65	A novel multi-objective immune algorithm with a decomposition-based clonal selection. <i>Applied Soft Computing Journal</i> , <b>2019</b> , 81, 105490	7.5	19
64	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> , <b>2019</b> , 1-16	6.1	17
63	Evolutionary Search with Multiple Utopian Reference Points in Decomposition-Based Multiobjective Optimization. <i>Complexity</i> , <b>2019</b> , 2019, 1-22	1.6	5
62	Early Cancer Detection from Multianalyte Blood Test Results. <i>IScience</i> , <b>2019</b> , 15, 332-341	6.1	13
61	A novel multi-objective evolutionary algorithm with dynamic decomposition strategy. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 48, 182-200	9.8	14
60	On Stability of Multi-Valued Nonlinear Feedback Shift Registers. <i>Complexity</i> , <b>2019</b> , 2019, 1-11	1.6	1
59	A Clustering-Based Evolutionary Algorithm for Many-Objective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2019</b> , 23, 391-405	15.6	45
58	PathEmb: Random Walk Based Document Embedding for Global Pathway Similarity Search. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2019</b> , 23, 1329-1335	7.2	5

57	A Constrained Solution Update Strategy for Multiobjective Evolutionary Algorithm Based on Decomposition. <i>Complexity</i> , <b>2019</b> , 2019, 1-11	1.6	1
56	Multimodal Multi-objective Optimization Using A Density-based One-by-One Update Strategy <b>2019</b> ,		5
55	A Rainbow-Based Authencal Scheme for Securing Smart Connected Health Systems. <i>Journal of Medical Systems</i> , <b>2019</b> , 43, 276	5.1	2
54	A hybridized angle-encouragement-based decomposition approach for many-objective optimization problems. <i>Applied Soft Computing Journal</i> , <b>2019</b> , 78, 355-372	7.5	8
53	A Novel Hybrid Multi-Objective Particle Swarm Optimization Algorithm With an Adaptive Resource Allocation Strategy. <i>IEEE Access</i> , <b>2019</b> , 7, 177082-177100	3.5	3
52	Synergizing CRISPR/Cas9 off-target predictions for ensemble insights and practical applications. <i>Bioinformatics</i> , <b>2019</b> , 35, 1108-1115	7.2	13
51	Reliable Link Inference for Network Data With Community Structures. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 3347-3361	10.2	13
50	Dynamic Scalable Elliptic Curve Cryptographic Scheme and Its Application to In-Vehicle Security. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 5892-5901	10.7	13
49	An Effective Ensemble Framework for Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2019</b> , 23, 645-659	15.6	15
48	Heterodimeric DNA motif synthesis and validations. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 1628-1636	20.1	1
47	Particle Swarm Optimization With a Balanceable Fitness Estimation for Many-Objective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2018</b> , 22, 32-46	15.6	116
46	Objective reduction for many-objective optimization problems using objective subspace extraction. <i>Soft Computing</i> , <b>2018</b> , 22, 1159-1173	3.5	5
45	A Diversity-Enhanced Resource Allocation Strategy for Decomposition-Based Multiobjective Evolutionary Algorithm. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 2388-2401	10.2	25
44	Adaptive multiple-elites-guided composite differential evolution algorithm with a shift mechanism. <i>Information Sciences</i> , <b>2018</b> , 422, 122-143	7.7	56
43	A gene-level hybrid search framework for multiobjective evolutionary optimization. <i>Neural Computing and Applications</i> , <b>2018</b> , 30, 759-773	4.8	4
42	Using Weighted Extreme Learning Machine Combined with Scale-Invariant Feature Transform to Predict Protein-Protein Interactions from Protein Evolutionary Information. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 527-532	0.9	3
41	A Novel Many-Objective Optimization Algorithm Based on the Hybrid Angle-Encouragement Decomposition. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 47-53	0.9	2
40	An adaptive immune-inspired multi-objective algorithm with multiple differential evolution strategies. <i>Information Sciences</i> , <b>2018</b> , 430-431, 46-64	7.7	40

39	A novel artificial bee colony algorithm with local and global information interaction. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 62, 702-735	7.5	28
38	Multiobjective Personalized Recommendation Algorithm Using Extreme Point Guided Evolutionary Computation. <i>Complexity</i> , <b>2018</b> , 2018, 1-18	1.6	13
37	A novel multi-objective co-evolutionary algorithm based on decomposition approach. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 73, 50-66	7.5	9
36	A Novel PSO-DE Co-evolutionary Algorithm Based on Decomposition Framework. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 381-389	0.9	1
35	A local search enhanced differential evolutionary algorithm for sparse recovery. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 57, 144-163	7.5	10
34	A novel artificial bee colony algorithm with an adaptive population size for numerical function optimization. <i>Information Sciences</i> , <b>2017</b> , 414, 53-67	7.7	50
33	An External Archive-Guided Multiobjective Particle Swarm Optimization Algorithm. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 2794-2808	10.2	58
32	A ranking-based adaptive artificial bee colony algorithm for global numerical optimization. <i>Information Sciences</i> , <b>2017</b> , 417, 169-185	7.7	65
31	An Elite Archive-Based MOEA/D Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 236-247	0.9	
30	A novel adaptive control strategy for decomposition-based multiobjective algorithm. <i>Computers and Operations Research</i> , <b>2017</b> , 78, 94-107	4.6	17
29	An improved NSGA-III algorithm for feature selection used in intrusion detection. <i>Knowledge-Based Systems</i> , <b>2017</b> , 116, 74-85	7.3	90
28	A novel artificial bee colony algorithm with depth-first search framework and elite-guided search equation. <i>Information Sciences</i> , <b>2016</b> , 367-368, 1012-1044	7.7	91
27	A novel hybrid differential evolution algorithm with modified CoDE and JADE. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 47, 577-599	7.5	46
26	Optimizing security and quality of service in a Real-time database system using Multi-objective genetic algorithm. <i>Expert Systems With Applications</i> , <b>2016</b> , 64, 11-23	7.8	10
25	A Hybrid Path Planning Method in Unmanned Air/Ground Vehicle (UAV/UGV) Cooperative Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 9585-9596	6.8	120
24	Adaptive composite operator selection and parameter control for multiobjective evolutionary algorithm. <i>Information Sciences</i> , <b>2016</b> , 339, 332-352	7.7	49
23	An Efficient File Hierarchy Attribute-Based Encryption Scheme in Cloud Computing. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2016</b> , 11, 1265-1277	8	162
22	Adaptive differential evolution algorithm with novel mutation strategies in multiple sub-populations. <i>Computers and Operations Research</i> , <b>2016</b> , 67, 155-173	4.6	134



21	A novel adaptive hybrid crossover operator for multiobjective evolutionary algorithm. <i>Information Sciences</i> , <b>2016</b> , 345, 177-198	7.7	35
20	A novel multiple rule sets data classification algorithm based on ant colony algorithm. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 38, 1000-1011	7.5	24
19	Artificial Bee Colony Algorithm Based on Neighboring Information Learning. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 279-289	0.9	2
18	A double-module immune algorithm for multi-objective optimization problems. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 35, 161-174	7.5	39
17	A novel multi-objective particle swarm optimization with multiple search strategies. <i>European Journal of Operational Research</i> , <b>2015</b> , 247, 732-744	5.6	137
16	A novel hybrid multi-objective immune algorithm with adaptive differential evolution. <i>Computers and Operations Research</i> , <b>2015</b> , 62, 95-111	4.6	84
15	Joint quantization and diffusion for compressed sensing measurements of natural images <b>2015</b> ,		8
14	An Effective Error Correction Scheme for Arithmetic Coding. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-10	1.1	1
13	A Gene-Level Hybrid Crossover Operator for Multiobjective Evolutionary Algorithm <b>2015</b> ,		2
12	Enhance Differential Evolution Algorithm Based on Novel Mutation Strategy and Parameter Control Method. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 634-643	0.9	1
11	. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2015</b> , 1-1	15.6	12
10	An enhanced variable-length arithmetic coding and encryption scheme using chaotic maps. <i>Journal of Systems and Software</i> , <b>2013</b> , 86, 1384-1389	3.3	15
9	A novel micro-population immune multiobjective optimization algorithm. <i>Computers and Operations Research</i> , <b>2013</b> , 40, 1590-1601	4.6	48
8	GENERALIZED ARITHMETIC CODING USING DISCRETE CHAOTIC MAPS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2012</b> , 22, 1250256	2	9
7	AN IMMUNE-INSPIRED EVOLUTION STRATEGY FOR CONSTRAINED OPTIMIZATION PROBLEMS. <i>International Journal on Artificial Intelligence Tools</i> , <b>2011</b> , 20, 549-561	0.9	14
6	Chaos-based multi-objective immune algorithm with a fine-grained selection mechanism. <i>Soft Computing</i> , <b>2011</b> , 15, 1273-1288	3.5	16
5	Error detection in arithmetic coding with artificial markers. <i>Computers and Mathematics With Applications</i> , <b>2011</b> , 62, 359-366	2.7	19
4	APPLICATION OF NOVEL CLONAL ALGORITHM IN MULTIOBJECTIVE OPTIMIZATION. <i>International Journal of Information Technology and Decision Making</i> , <b>2010</b> , 09, 239-266	2.8	20



3	Simultaneous Arithmetic Coding and Encryption Using Chaotic Maps. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2010</b> , 57, 146-150	3-5	47
2	A hybrid immune multiobjective optimization algorithm. <i>European Journal of Operational Research</i> , <b>2010</b> , 204, 294-302	5-6	45
1	A novel multimodal multiobjective memetic algorithm with a local detection mechanism and a clustering-based selection strategy. <i>Memetic Computing</i> , 1	3-4	