

# Boyang Qu

## List of Publications by Year in descending order

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29  
papers

1,274  
citations

471509

17  
h-index

501196

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g-index

29  
all docs

29  
docs citations

29  
times ranked

676  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multiobjective Particle Swarm Optimizer Using Ring Topology for Solving Multimodal Multiobjective Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2018, 22, 805-817.	10.0	318
2	A novel scalable test problem suite for multimodal multiobjective optimization. <i>Swarm and Evolutionary Computation</i> , 2019, 48, 62-71.	8.1	103
3	Differential evolution using improved crowding distance for multimodal multiobjective optimization. <i>Swarm and Evolutionary Computation</i> , 2021, 62, 100849.	8.1	86
4	A self-organized speciation based multi-objective particle swarm optimizer for multimodal multi-objective problems. <i>Applied Soft Computing Journal</i> , 2020, 86, 105886.	7.2	79
5	Evolutionary multi-task optimization for parameters extraction of photovoltaic models. <i>Energy Conversion and Management</i> , 2020, 207, 112509.	9.2	75
6	A clustering-based differential evolution algorithm for solving multimodal multi-objective optimization problems. <i>Swarm and Evolutionary Computation</i> , 2021, 60, 100788.	8.1	74
7	Dynamic Selection Preference-Assisted Constrained Multiobjective Differential Evolution. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 2954-2965.	9.3	74
8	Differential evolution based on reinforcement learning with fitness ranking for solving multimodal multiobjective problems. <i>Swarm and Evolutionary Computation</i> , 2019, 49, 234-244.	8.1	70
9	An Evolutionary Multitasking Optimization Framework for Constrained Multiobjective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2022, 26, 263-277.	10.0	60
10	Purpose-directed two-phase multiobjective differential evolution for constrained multiobjective optimization. <i>Swarm and Evolutionary Computation</i> , 2021, 60, 100799.	8.1	50
11	A Self-organizing Multi-objective Particle Swarm Optimization Algorithm for Multimodal Multi-objective Problems. <i>Lecture Notes in Computer Science</i> , 2018, , 550-560.	1.3	42
12	Utilizing the Relationship Between Unconstrained and Constrained Pareto Fronts for Constrained Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 3873-3886.	9.5	41
13	Short-term load forecasting using multimodal evolutionary algorithm and random vector functional link network based ensemble learning. <i>Applied Energy</i> , 2021, 285, 116415.	10.1	28
14	Multi-objective flow shop scheduling with limited buffers using hybrid self-adaptive differential evolution. <i>Memetic Computing</i> , 2019, 11, 407-422.	4.0	24
15	Multiobjective dynamic economic emission dispatch using evolutionary algorithm based on decomposition. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2019, 14, 1323-1333.	1.4	22
16	A grid-guided particle swarm optimizer for multimodal multi-objective problems. <i>Applied Soft Computing Journal</i> , 2022, 117, 108381.	7.2	22
17	A novel multiobjective optimization algorithm for sparse signal reconstruction. <i>Signal Processing</i> , 2020, 167, 107292.	3.7	21
18	Computing Resource Optimization of Big Data in Optical Cloud Radio Access Networked Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7734-7742.	11.3	13

#	ARTICLE	IF	CITATIONS
19	Feature Extraction for Recommendation of Constrained Multiobjective Evolutionary Algorithms. IEEE Transactions on Evolutionary Computation, 2023, 27, 949-963.	10.0	12
20	Normalized Subband Spline Adaptive Filter: Algorithm Derivation and Analysis. Circuits, Systems, and Signal Processing, 2021, 40, 2400-2418.	2.0	11
21	MOPSO-Based CNN for Keyword Selection on Google Ads. IEEE Access, 2019, 7, 125387-125400.	4.2	9
22	Dynamic Multi-Objective Dispatch Considering Wind Power and Electric Vehicles With Probabilistic Characteristics. IEEE Access, 2019, 7, 185634-185653.	4.2	9
23	Differential Evolution with Level-Based Learning Mechanism. Complex System Modeling and Simulation, 2022, 2, 35-58.	5.3	9
24	A full mean-square analysis of CNSAF algorithm for noncircular inputs. Journal of the Franklin Institute, 2021, 358, 7883-7899.	3.4	7
25	Cooperative co-evolutionary comprehensive learning particle swarm optimizer for formulation design of explosive simulant. Memetic Computing, 2020, 12, 331-341.	4.0	5
26	Constrained multiobjective differential evolution algorithm with infeasible-proportion control mechanism. Knowledge-Based Systems, 2022, 250, 109105.	7.1	5
27	Two-Stage Decomposition Method Based on Cooperation Coevolution for Feature Selection on High-Dimensional Classification. IEEE Access, 2019, 7, 163191-163201.	4.2	3
28	Ensemble Learning Based on Multimodal Multiobjective Optimization. Communications in Computer and Information Science, 2020, , 299-313.	0.5	2
29	A Knee Point Based NSGA-II Multi-objective Evolutionary Algorithm. Communications in Computer and Information Science, 2020, , 454-467.	0.5	0