

# Weian Guo

## List of Publications by Year in descending order

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31  
papers

496  
citations

933447

10  
h-index

677142

22  
g-index

31  
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31  
docs citations

31  
times ranked

608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of the Anaerobic-Anoxic-Oxic Process by Integrating ASM2d with Pareto Analysis of Variance and Response Surface Methodology. <i>Water (Switzerland)</i> , 2022, 14, 940.	2.7	3
2	Many-objective evolutionary algorithm based on relative non-dominance matrix. <i>Information Sciences</i> , 2021, 547, 963-983.	6.9	19
3	Multi-swarm competitive swarm optimizer for large-scale optimization by entropy-assisted diversity measurement and management. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, e6126.	2.2	1
4	A Modified APSODEE for Large Scale Optimization. , 2021, , .		1
5	Modeling and optimization of watering robot optimal path for ornamental plant care. <i>Computers and Industrial Engineering</i> , 2021, 157, 107263.	6.3	5
6	Many-Objective Evolutionary Algorithm based on Dominance Degree. <i>Applied Soft Computing Journal</i> , 2021, 113, 107869.	7.2	8
7	Heuristic orientation adjustment for better exploration in multi-objective optimization. <i>Neural Computing and Applications</i> , 2020, 32, 4757-4771.	5.6	3
8	Scheduling for airport baggage transport vehicles based on diversity enhancement genetic algorithm. <i>Natural Computing</i> , 2020, 19, 663-672.	3.0	16
9	A universal strengthened searching module for multi-objective optimization based on variable properties. <i>Applied Soft Computing Journal</i> , 2020, 91, 106199.	7.2	4
10	Fast Nondominated Sorting Genetic Algorithm II with Levy Distribution for Network Topology Optimization. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-12.	1.1	5
11	An Entropy-Assisted Particle Swarm Optimizer for Large-Scale Optimization Problem. <i>Mathematics</i> , 2019, 7, 414.	2.2	7
12	Species co-evolutionary algorithm: a novel evolutionary algorithm based on the ecology and environments for optimization. <i>Neural Computing and Applications</i> , 2019, 31, 2015-2024.	5.6	15
13	Chance Constrained Optimization in a Home Energy Management System. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 252-260.	9.0	139
14	A Grouping Particle Swarm Optimizer with Personal-Best-Position Guidance for Large Scale Optimization. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 1904-1915.	3.0	7
15	A probability-based coevolving multi-objective algorithm for antenna array synthesis. <i>Applied Soft Computing Journal</i> , 2018, 73, 178-191.	7.2	6
16	A survey of biogeography-based optimization. <i>Neural Computing and Applications</i> , 2017, 28, 1909-1926.	5.6	58
17	Novel migration operators of biogeography-based optimization and Markov analysis. <i>Soft Computing</i> , 2017, 21, 6605-6632.	3.6	5
18	Hyper multi-objective evolutionary algorithm for multi-objective optimization problems. <i>Soft Computing</i> , 2017, 21, 5883-5891.	3.6	9

#	ARTICLE	IF	CITATIONS
19	Biogeography-based optimisation with migration velocity for multi-objective optimisation problems. International Journal of Bio-Inspired Computation, 2017, 10, 43.	0.9	1
20	A Personalized Rolling Optimal Charging Schedule for Plug-In Hybrid Electric Vehicle Based on Statistical Energy Demand Analysis and Heuristic Algorithm. Energies, 2017, 10, 1333.	3.1	6
21	A multi-swarm approach to multiobjective synthesis of linear antenna array design. , 2016, , .		0
22	Particle swarm optimization-based solution updating strategy for biogeography-based optimization. , 2016, , .		6
23	Backtracking biogeography-based optimization for numerical optimization and mechanical design problems. Applied Intelligence, 2016, 44, 894-903.	5.3	10
24	Fuzzy performance evaluation of Evolutionary Algorithms based on extreme learning classifier. Neurocomputing, 2016, 175, 371-382.	5.9	2
25	Numerical comparisons of migration models for Multi-objective Biogeography-Based Optimization. Information Sciences, 2016, 328, 302-320.	6.9	22
26	Drift analysis of mutation operations for biogeography-based optimization. Soft Computing, 2015, 19, 1881-1892.	3.6	14
27	An analysis of the migration rates for biogeography-based optimization. Information Sciences, 2014, 254, 111-140.	6.9	51
28	Biogeography-based particle swarm optimization with fuzzy elitism and its applications to constrained engineering problems. Engineering Optimization, 2014, 46, 1465-1484.	2.6	42
29	Coverage planning in computer-assisted ablation based on Genetic Algorithm. Computers in Biology and Medicine, 2014, 49, 36-45.	7.0	30
30	A scheduling method in semiconductor manufacturing lines based on ant colony optimization. , 2012, , .		1
31	Deep reinforcement learning for urban multi-taxis cruising strategy. Neural Computing and Applications, 0, , .	5.6	0