

Xu Chen

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.

46
papers

1,991
citations

20
h-index

44
g-index

49
ext. papers

2,606
ext. citations

5.3
avg, IF

5.81
L-index

#	Paper	IF	Citations
46	Solving static and dynamic multi-area economic dispatch problems using an improved competitive swarm optimization algorithm. <i>Energy</i> , 2022 , 238, 122035	7.9	5
45	Building hourly electrical load prediction based on data clustering and ensemble learning strategy. <i>Energy and Buildings</i> , 2022 , 261, 111943	7	1
44	Collective information-based particle swarm optimization for multi-fuel CHP economic dispatch problem. <i>Knowledge-Based Systems</i> , 2022 , 248, 108902	7.3	1
43	Classification of Tea Quality Levels Using Near-Infrared Spectroscopy Based on CLPSO-SVM. <i>Foods</i> , 2022 , 11, 1658	4.9	0
42	An enhanced exploratory whale optimization algorithm for dynamic economic dispatch. <i>Energy Reports</i> , 2021 , 7, 7015-7029	4.6	6
41	Bee-foraging learning particle swarm optimization. <i>Applied Soft Computing Journal</i> , 2021 , 102, 107134	7.5	9
40	Synergistic effect of 2D/0D mixed graphitic carbon nitride/Fe ₂ O ₃ on the excellent corrosion behavior of epoxy-based waterborne coatings. <i>Colloid and Polymer Science</i> , 2021 , 299, 883-897	2.4	2
39	Study of UHMWPE Fiber Surface Modification and the Properties of UHMWPE/epoxy Composite. <i>Polymers</i> , 2020 , 12,	4.5	9
38	A vectorized bimodal distribution based micro differential evolution algorithm (VB-mDE). <i>Multiagent and Grid Systems</i> , 2020 , 16, 245-261	0.5	
37	Novel dual-population adaptive differential evolution algorithm for large-scale multi-fuel economic dispatch with valve-point effects. <i>Energy</i> , 2020 , 203, 117874	7.9	12
36	A fast modeling and optimization scheme for greenhouse environmental system using proper orthogonal decomposition and multi-objective genetic algorithm. <i>Computers and Electronics in Agriculture</i> , 2020 , 168, 105096	6.5	8
35	Biogeography-based learning particle swarm optimization for combined heat and power economic dispatch problem. <i>Knowledge-Based Systems</i> , 2020 , 208, 106463	7.3	30
34	Cost minimization control for electric vehicle car parks with vehicle to grid technology. <i>Systems Science and Control Engineering</i> , 2020 , 8, 422-433	2	3
33	Multiobjective Optimization of a Double-Side Linear Vernier PM Motor Using Response Surface Method and Differential Evolution. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 80-90	8.9	50
32	Fireworks explosion based artificial bee colony for numerical optimization. <i>Knowledge-Based Systems</i> , 2020 , 188, 105002	7.3	10
31	Hybrid teaching-learning artificial neural network for city-level electrical load prediction. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	1
30	A performance-guided JAYA algorithm for parameters identification of photovoltaic cell and module. <i>Applied Energy</i> , 2019 , 237, 241-257	10.7	185

29	An opposition-based sine cosine approach with local search for parameter estimation of photovoltaic models. <i>Energy Conversion and Management</i> , 2019 , 195, 927-942	10.6	152
28	Optimizing the 3D Distributed Climate inside Greenhouses Using Multi-Objective Optimization Algorithms and Computer Fluid Dynamics. <i>Energies</i> , 2019 , 12, 2873	3.1	9
27	Perturbed stochastic fractal search for solar PV parameter estimation. <i>Energy</i> , 2019 , 189, 116247	7.9	22
26	Dynamic Optimization of Chemical Processes using Symbiotic Organisms Search Algorithm 2019 ,		1
25	Hybridizing cuckoo search algorithm with biogeography-based optimization for estimating photovoltaic model parameters. <i>Solar Energy</i> , 2019 , 180, 192-206	6.8	122
24	Self-adaptive differential artificial bee colony algorithm for global optimization problems. <i>Swarm and Evolutionary Computation</i> , 2019 , 45, 70-91	9.8	48
23	Adaptive differential evolution with multi-population-based mutation operators for constrained optimization. <i>Soft Computing</i> , 2019 , 23, 3423-3447	3.5	12
22	TeachingLearningBased artificial bee colony for solar photovoltaic parameter estimation. <i>Applied Energy</i> , 2018 , 212, 1578-1588	10.7	195
21	Quadratic interpolation based teaching-learning-based optimization for chemical dynamic system optimization. <i>Knowledge-Based Systems</i> , 2018 , 145, 250-263	7.3	38
20	Differential evolution with adaptive trial vector generation strategy and cluster-replacement-based feasibility rule for constrained optimization. <i>Information Sciences</i> , 2018 , 435, 240-262	7.7	32
19	A hybrid teaching-learning artificial neural network for building electrical energy consumption prediction. <i>Energy and Buildings</i> , 2018 , 174, 323-334	7	54
18	An Improved Particle Swarm Optimization with Biogeography-Based Learning Strategy for Economic Dispatch Problems. <i>Complexity</i> , 2018 , 2018, 1-15	1.6	21
17	Teaching-Learning-Based Artificial Bee Colony. <i>Lecture Notes in Computer Science</i> , 2018 , 166-178	0.9	10
16	A Multistrategy-Based Multiobjective Differential Evolution for Optimal Control in Chemical Processes. <i>Complexity</i> , 2018 , 2018, 1-22	1.6	4
15	Teaching-Learning-Based Optimization with Learning Enthusiasm Mechanism and Its Application in Chemical Engineering. <i>Journal of Applied Mathematics</i> , 2018 , 2018, 1-19	1.1	22
14	Parameters identification of photovoltaic models using self-adaptive teaching-learning-based optimization. <i>Energy Conversion and Management</i> , 2017 , 145, 233-246	10.6	142
13	Parameters identification of photovoltaic models using an improved JAYA optimization algorithm. <i>Energy Conversion and Management</i> , 2017 , 150, 742-753	10.6	257
12	Biogeography-based learning particle swarm optimization. <i>Soft Computing</i> , 2017 , 21, 7519-7541	3.5	112

11	Dynamic Optimization of the Tandem Acetylene Hydrogenation Process. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 11983-11995	3.9	4
10	Biogeography-based optimization with covariance matrix based migration. <i>Applied Soft Computing Journal</i> , 2016 , 45, 71-85	7.5	39
9	Parameters identification of solar cell models using generalized oppositional teaching learning based optimization. <i>Energy</i> , 2016 , 99, 170-180	7.9	217
8	Aquatic Image Segmentation Method Based on HS-PCNN for Automatic Operation Boat in Crab Farming. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016 , 13, 7366-7374	0.3	5
7	Study on the Vision-Aided Navigation System of a Fully Automatic Workboat for Crab Breeding 2016 ,		1
6	Solving chemical dynamic optimization problems with ranking-based differential evolution algorithms. <i>Chinese Journal of Chemical Engineering</i> , 2016 , 24, 1600-1608	3.2	17
5	An Adaptive Multi-Objective Differential Evolution Algorithm for Solving Chemical Dynamic Optimization Problems. <i>Computer Aided Chemical Engineering</i> , 2015 , 821-826	0.6	3
4	Multi-objective differential evolution with ranking-based mutation operator and its application in chemical process optimization. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014 , 136, 85-96	3.8	66
3	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2014 , 11, 1289-1299	4.9	33
2	Hybrid gradient particle swarm optimization for dynamic optimization problems of chemical processes. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013 , 8, 708-720	1.3	19
1	Self-adaptive differential evolution with Gaussian-Cauchy mutation for large-scale CHP economic dispatch problem. <i>Neural Computing and Applications</i> , 2013 , 24, 1005-1012	4.8	2