

# Xu Chen

## List of Publications by Citations

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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	Parameters identification of photovoltaic models using an improved JAYA optimization algorithm. <i>Energy Conversion and Management</i> , <b>2017</b> , 150, 742-753	10.6	257
45	Parameters identification of solar cell models using generalized oppositional teaching learning based optimization. <i>Energy</i> , <b>2016</b> , 99, 170-180	7.9	217
44	TeachingLearningBased artificial bee colony for solar photovoltaic parameter estimation. <i>Applied Energy</i> , <b>2018</b> , 212, 1578-1588	10.7	195
43	A performance-guided JAYA algorithm for parameters identification of photovoltaic cell and module. <i>Applied Energy</i> , <b>2019</b> , 237, 241-257	10.7	185
42	An opposition-based sine cosine approach with local search for parameter estimation of photovoltaic models. <i>Energy Conversion and Management</i> , <b>2019</b> , 195, 927-942	10.6	152
41	Parameters identification of photovoltaic models using self-adaptive teaching-learning-based optimization. <i>Energy Conversion and Management</i> , <b>2017</b> , 145, 233-246	10.6	142
40	Hybridizing cuckoo search algorithm with biogeography-based optimization for estimating photovoltaic model parameters. <i>Solar Energy</i> , <b>2019</b> , 180, 192-206	6.8	122
39	Biogeography-based learning particle swarm optimization. <i>Soft Computing</i> , <b>2017</b> , 21, 7519-7541	3.5	112
38	Multi-objective differential evolution with ranking-based mutation operator and its application in chemical process optimization. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2014</b> , 136, 85-96	3.8	66
37	A hybrid teaching-learning artificial neural network for building electrical energy consumption prediction. <i>Energy and Buildings</i> , <b>2018</b> , 174, 323-334	7	54
36	Multiobjective Optimization of a Double-Side Linear Vernier PM Motor Using Response Surface Method and Differential Evolution. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 80-90	8.9	50
35	Self-adaptive differential artificial bee colony algorithm for global optimization problems. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 45, 70-91	9.8	48
34	Biogeography-based optimization with covariance matrix based migration. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 45, 71-85	7.5	39
33	Quadratic interpolation based teaching-learning-based optimization for chemical dynamic system optimization. <i>Knowledge-Based Systems</i> , <b>2018</b> , 145, 250-263	7.3	38
32	. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2014</b> , 11, 1289-1299	4.9	33
31	Differential evolution with adaptive trial vector generation strategy and cluster-replacement-based feasibility rule for constrained optimization. <i>Information Sciences</i> , <b>2018</b> , 435, 240-262	7.7	32
30	Biogeography-based learning particle swarm optimization for combined heat and power economic dispatch problem. <i>Knowledge-Based Systems</i> , <b>2020</b> , 208, 106463	7.3	30

29	Perturbed stochastic fractal search for solar PV parameter estimation. <i>Energy</i> , <b>2019</b> , 189, 116247	7.9	22
28	Teaching-Learning-Based Optimization with Learning Enthusiasm Mechanism and Its Application in Chemical Engineering. <i>Journal of Applied Mathematics</i> , <b>2018</b> , 2018, 1-19	1.1	22
27	An Improved Particle Swarm Optimization with Biogeography-Based Learning Strategy for Economic Dispatch Problems. <i>Complexity</i> , <b>2018</b> , 2018, 1-15	1.6	21
26	Hybrid gradient particle swarm optimization for dynamic optimization problems of chemical processes. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2013</b> , 8, 708-720	1.3	19
25	Solving chemical dynamic optimization problems with ranking-based differential evolution algorithms. <i>Chinese Journal of Chemical Engineering</i> , <b>2016</b> , 24, 1600-1608	3.2	17
24	Novel dual-population adaptive differential evolution algorithm for large-scale multi-fuel economic dispatch with valve-point effects. <i>Energy</i> , <b>2020</b> , 203, 117874	7.9	12
23	Adaptive differential evolution with multi-population-based mutation operators for constrained optimization. <i>Soft Computing</i> , <b>2019</b> , 23, 3423-3447	3.5	12
22	Teaching-Learning-Based Artificial Bee Colony. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 166-178	0.9	10
21	Fireworks explosion based artificial bee colony for numerical optimization. <i>Knowledge-Based Systems</i> , <b>2020</b> , 188, 105002	7.3	10
20	Study of UHMWPE Fiber Surface Modification and the Properties of UHMWPE/epoxy Composite. <i>Polymers</i> , <b>2020</b> , 12,	4.5	9
19	Optimizing the 3D Distributed Climate inside Greenhouses Using Multi-Objective Optimization Algorithms and Computer Fluid Dynamics. <i>Energies</i> , <b>2019</b> , 12, 2873	3.1	9
18	Bee-foraging learning particle swarm optimization. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 102, 107134	7.5	9
17	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> , <b>2020</b> , 168, 105096	6.5	8
16	An enhanced exploratory whale optimization algorithm for dynamic economic dispatch. <i>Energy Reports</i> , <b>2021</b> , 7, 7015-7029	4.6	6
15	Aquatic Image Segmentation Method Based on HS-PCNN for Automatic Operation Boat in Crab Farming. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2016</b> , 13, 7366-7374	0.3	5
14	Solving static and dynamic multi-area economic dispatch problems using an improved competitive swarm optimization algorithm. <i>Energy</i> , <b>2022</b> , 238, 122035	7.9	5
13	Dynamic Optimization of the Tandem Acetylene Hydrogenation Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 11983-11995	3.9	4
12	A Multistrategy-Based Multiobjective Differential Evolution for Optimal Control in Chemical Processes. <i>Complexity</i> , <b>2018</b> , 2018, 1-22	1.6	4

11	An Adaptive Multi-Objective Differential Evolution Algorithm for Solving Chemical Dynamic Optimization Problems. <i>Computer Aided Chemical Engineering</i> , <b>2015</b> , 821-826	0.6	3
10	Cost minimization control for electric vehicle car parks with vehicle to grid technology. <i>Systems Science and Control Engineering</i> , <b>2020</b> , 8, 422-433	2	3
9	Synergistic effect of 2D/0D mixed graphitic carbon nitride/Fe <sub>2</sub> O <sub>3</sub> on the excellent corrosion behavior of epoxy-based waterborne coatings. <i>Colloid and Polymer Science</i> , <b>2021</b> , 299, 883-897	2.4	2
8	Self-adaptive differential evolution with Gaussian-Cauchy mutation for large-scale CHP economic dispatch problem. <i>Neural Computing and Applications</i> , 1	4.8	2
7	Study on the Vision-Aided Navigation System of a Fully Automatic Workboat for Crab Breeding <b>2016</b> ,		1
6	Dynamic Optimization of Chemical Processes using Symbiotic Organisms Search Algorithm <b>2019</b> ,		1
5	Hybrid teaching-learning artificial neural network for city-level electrical load prediction. <i>Science China Information Sciences</i> , <b>2020</b> , 63, 1	3.4	1
4	Building hourly electrical load prediction based on data clustering and ensemble learning strategy. <i>Energy and Buildings</i> , <b>2022</b> , 261, 111943	7	1
3	Collective information-based particle swarm optimization for multi-fuel CHP economic dispatch problem. <i>Knowledge-Based Systems</i> , <b>2022</b> , 248, 108902	7.3	1
2	Classification of Tea Quality Levels Using Near-Infrared Spectroscopy Based on CLPSO-SVM. <i>Foods</i> , <b>2022</b> , 11, 1658	4.9	0
1	A vectorized bimodal distribution based micro differential evolution algorithm (VB-mDE). <i>Multiagent and Grid Systems</i> , <b>2020</b> , 16, 245-261	0.5	