

# Xu Chen

## List of Publications by Year in descending order

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49  
papers

3,217  
citations

257101

24  
h-index

253896

43  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Parameters identification of photovoltaic models using an improved JAYA optimization algorithm. Energy Conversion and Management, 2017, 150, 742-753.	4.4	398
2	Parameters identification of solar cell models using generalized oppositional teaching learning based optimization. Energy, 2016, 99, 170-180.	4.5	316
3	A performance-guided JAYA algorithm for parameters identification of photovoltaic cell and module. Applied Energy, 2019, 237, 241-257.	5.1	312
4	Teachingâ€“learningâ€“based artificial bee colony for solar photovoltaic parameter estimation. Applied Energy, 2018, 212, 1578-1588.	5.1	303
5	An opposition-based sine cosine approach with local search for parameter estimation of photovoltaic models. Energy Conversion and Management, 2019, 195, 927-942.	4.4	226
6	Parameters identification of photovoltaic models using self-adaptive teaching-learning-based optimization. Energy Conversion and Management, 2017, 145, 233-246.	4.4	198
7	Hybridizing cuckoo search algorithm with biogeography-based optimization for estimating photovoltaic model parameters. Solar Energy, 2019, 180, 192-206.	2.9	192
8	Biogeography-based learning particle swarm optimization. Soft Computing, 2017, 21, 7519-7541.	2.1	175
9	A hybrid teaching-learning artificial neural network for building electrical energy consumption prediction. Energy and Buildings, 2018, 174, 323-334.	3.1	88
10	Multiobjective Optimization of a Double-Side Linear Vernier PM Motor Using Response Surface Method and Differential Evolution. IEEE Transactions on Industrial Electronics, 2020, 67, 80-90.	5.2	88
11	Multi-objective differential evolution with ranking-based mutation operator and its application in chemical process optimization. Chemometrics and Intelligent Laboratory Systems, 2014, 136, 85-96.	1.8	82
12	Self-adaptive differential artificial bee colony algorithm for global optimization problems. Swarm and Evolutionary Computation, 2019, 45, 70-91.	4.5	71
13	Biogeography-based learning particle swarm optimization for combined heat and power economic dispatch problem. Knowledge-Based Systems, 2020, 208, 106463.	4.0	69
14	Biogeography-based optimization with covariance matrix based migration. Applied Soft Computing Journal, 2016, 45, 71-85.	4.1	61
15	Quadratic interpolation based teaching-learning-based optimization for chemical dynamic system optimization. Knowledge-Based Systems, 2018, 145, 250-263.	4.0	56
16	Dynamic Optimization of Industrial Processes With Nonuniform Discretization-Based Control Vector Parameterization. IEEE Transactions on Automation Science and Engineering, 2014, 11, 1289-1299.	3.4	49
17	Perturbed stochastic fractal search for solar PV parameter estimation. Energy, 2019, 189, 116247.	4.5	40
18	Bee-foraging learning particle swarm optimization. Applied Soft Computing Journal, 2021, 102, 107134.	4.1	40

#	ARTICLE	IF	CITATIONS
19	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.	4.0	39
20	Teaching-Learning-Based Optimization with Learning Enthusiasm Mechanism and Its Application in Chemical Engineering. <i>Journal of Applied Mathematics</i> , 2018, 2018, 1-19.	0.4	36
21	Solving static and dynamic multi-area economic dispatch problems using an improved competitive swarm optimization algorithm. <i>Energy</i> , 2022, 238, 122035.	4.5	36
22	Novel dual-population adaptive differential evolution algorithm for large-scale multi-fuel economic dispatch with valve-point effects. <i>Energy</i> , 2020, 203, 117874.	4.5	32
23	An Improved Particle Swarm Optimization with Biogeography-Based Learning Strategy for Economic Dispatch Problems. <i>Complexity</i> , 2018, 2018, 1-15.	0.9	28
24	Study of UHMWPE Fiber Surface Modification and the Properties of UHMWPE/Epoxy Composite. <i>Polymers</i> , 2020, 12, 521.	2.0	26
25	An enhanced exploratory whale optimization algorithm for dynamic economic dispatch. <i>Energy Reports</i> , 2021, 7, 7015-7029.	2.5	25
26	Hybrid gradient particle swarm optimization for dynamic optimization problems of chemical processes. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013, 8, 708-720.	0.8	22
27	Solving chemical dynamic optimization problems with ranking-based differential evolution algorithms. <i>Chinese Journal of Chemical Engineering</i> , 2016, 24, 1600-1608.	1.7	21
28	Classification of Tea Quality Levels Using Near-Infrared Spectroscopy Based on CLPSO-SVM. <i>Foods</i> , 2022, 11, 1658.	1.9	21
29	Building's hourly electrical load prediction based on data clustering and ensemble learning strategy. <i>Energy and Buildings</i> , 2022, 261, 111943.	3.1	20
30	Adaptive differential evolution with multi-population-based mutation operators for constrained optimization. <i>Soft Computing</i> , 2019, 23, 3423-3447.	2.1	19
31	Self-adaptive differential evolution with Gaussian-Cauchy mutation for large-scale CHP economic dispatch problem. <i>Neural Computing and Applications</i> , 2022, 34, 11769-11787.	3.2	19
32	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.	3.7	16
33	Fireworks explosion based artificial bee colony for numerical optimization. <i>Knowledge-Based Systems</i> , 2020, 188, 105002.	4.0	14
34	Teaching-Learning-Based Artificial Bee Colony. <i>Lecture Notes in Computer Science</i> , 2018, , 166-178.	1.0	12
35	Optimizing the 3D Distributed Climate inside Greenhouses Using Multi-Objective Optimization Algorithms and Computer Fluid Dynamics. <i>Energies</i> , 2019, 12, 2873.	1.6	12
36	Collective information-based particle swarm optimization for multi-fuel CHP economic dispatch problem. <i>Knowledge-Based Systems</i> , 2022, 248, 108902.	4.0	12

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37	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> , 2021, 299, 883-897.	1.0	9
38	Cost minimization control for electric vehicle car parks with vehicle to grid technology. <i>Systems Science and Control Engineering</i> , 2020, 8, 422-433.	1.8	7
39	Hybrid teaching-learning artificial neural network for city-level electrical load prediction. <i>Science China Information Sciences</i> , 2020, 63, 1.	2.7	6
40	A Multistrategy-Based Multiobjective Differential Evolution for Optimal Control in Chemical Processes. <i>Complexity</i> , 2018, 2018, 1-22.	0.9	5
41	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.	0.4	5
42	An Adaptive Multi-Objective Differential Evolution Algorithm for Solving Chemical Dynamic Optimization Problems. <i>Computer Aided Chemical Engineering</i> , 2015, , 821-826.	0.3	4
43	Dynamic Optimization of the Tandem Acetylene Hydrogenation Process. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 11983-11995.	1.8	4
44	Dynamic Optimization of Chemical Processes using Symbiotic Organisms Search Algorithm. , 2019, , .		2
45	Study on the Vision-Aided Navigation System of a Fully Automatic Workboat for Crab Breeding. , 2016, , .		1
46	Application of Gauss process regression modeling based on NN-MIV for marine enzyme fermentation process. , 2018, , .		0
47	Quick artificial bee colony algorithm with symbiotic search strategy for global optimization. , 2019, , .		0
48	Topology Identification of Complex Networked System via Group Sparse Penalized Nonlinear Least Squares. , 2021, , .		0
49	A vectorized bimodal distribution based micro differential evolution algorithm (VB-mDE). <i>Multiagent and Grid Systems</i> , 2020, 16, 245-261.	0.5	0