Pradeep Jangir

List of Publications by Year
in descending order

58 papers	2,460 citations	257450 24 h-index	302126 39 g-index
60 all docs	60 docs citations	60 times ranked	1426 citing authors

#	Article	IF	Citations
1	Multi-objective ant lion optimizer: a multi-objective optimization algorithm for solving engineering problems. Applied Intelligence, 2017, 46, 79-95.	5.3	476
2	Optimization of problems with multiple objectives using the multi-verse optimization algorithm. Knowledge-Based Systems, 2017, 134, 50-71.	7.1	230
3	MOSMA: Multi-Objective Slime Mould Algorithm Based on Elitist Non-Dominated Sorting. IEEE Access, 2021, 9, 3229-3248.	4.2	134
4	A New Arithmetic Optimization Algorithm for Solving Real-World Multiobjective CEC-2021 Constrained Optimization Problems: Diversity Analysis and Validations. IEEE Access, 2021, 9, 84263-84295.	4.2	105
5	An economic load dispatch and multiple environmental dispatch problem solution with microgrids using interior search algorithm. Neural Computing and Applications, 2018, 30, 2173-2189.	5.6	81
6	Enhanced chaotic JAYA algorithm for parameter estimation of photovoltaic cell/modules. ISA Transactions, 2021, 116, 139-166.	5.7	81
7	MOGBO: A new Multiobjective Gradient-Based Optimizer for real-world structural optimization problems. Knowledge-Based Systems, 2021, 218, 106856.	7.1	64
8	A novel hybrid Particle Swarm Optimizer with multi verse optimizer for global numerical optimization and Optimal Reactive Power Dispatch problem. Engineering Science and Technology, an International Journal, 2017, 20, 570-586.	3.2	63
9	Identification of Solar Photovoltaic Model Parameters Using an Improved Gradient-Based Optimization Algorithm With Chaotic Drifts. IEEE Access, 2021, 9, 62347-62379.	4.2	59
10	A new Non-Dominated Sorting Grey Wolf Optimizer (NS-GWO) algorithm: Development and application to solve engineering designs and economic constrained emission dispatch problem with integration of wind power. Engineering Applications of Artificial Intelligence, 2018, 72, 449-467.	8.1	55
11	Moth flame optimization to solve optimal power flow with non-parametric statistical evaluation validation. Cogent Engineering, 2017, 4, 1286731.	2.2	54
12	Optimal power flow with voltage stability improvement and loss reduction in power system using Moth-Flame Optimizer. Neural Computing and Applications, 2018, 30, 1889-1904.	5.6	54
13	MOPGO: A New Physics-Based Multi-Objective Plasma Generation Optimizer for Solving Structural Optimization Problems. IEEE Access, 2021, 9, 84982-85016.	4.2	54
14	A Novel Hybrid PSO–WOA Algorithm for Global Numerical Functions Optimization. Advances in Intelligent Systems and Computing, 2018, , 53-60.	0.6	53
15	An efficient multi-thresholding based COVID-19 CT images segmentation approach using an improved equilibrium optimizer. Biomedical Signal Processing and Control, 2022, 73, 103401.	5.7	50
16	An NSGA-III algorithm for solving multi-objective economic/environmental dispatch problem. Cogent Engineering, 2016, 3, 1269383.	2.2	46
17	Optimal power flow with enhancement of voltage stability and reduction of power loss using ant-lion optimizer. Cogent Engineering, 2016, 3, 1208942.	2.2	44
18	MOMPA: Multi-objective marine predator algorithm for solving multi-objective optimization problems. Evolutionary Intelligence, 2023, 16, 169-195.	3.6	43

#	Article	IF	Citations
19	Extraction of uncertain parameters of single-diode photovoltaic module using hybrid particle swarm optimization and grey wolf optimization algorithm. Materials Today: Proceedings, 2021, 46, 5315-5321.	1.8	37
20	Many-Objective Gradient-Based Optimizer to Solve Optimal Power Flow Problems: Analysis and Validations. Engineering Applications of Artificial Intelligence, 2021, 106, 104479.	8.1	37
21	MOTEO: A novel physics-based multiobjective thermal exchange optimization algorithm to design truss structures. Knowledge-Based Systems, 2022, 242, 108422.	7.1	37
22	A novel salp swarm assisted hybrid maximum power point tracking algorithm for the solar photovoltaic power generation systems. Automatika, 2021, 62, 1-20.	2.0	34
23	Elitist non-dominated sorting Harris hawks optimization: Framework and developments for multi-objective problems. Expert Systems With Applications, 2021, 186, 115747.	7.6	33
24	A multiple environment dispatch problem solution using ant colony optimization for micro-grids. , 2015, , .		32
25	An emission constraint Economic Load Dispatch problem solution with Microgrid using JAYA algorithm. , 2016, , .		31
26	Moth-Flame optimization Algorithm for solving real challenging constrained engineering optimization problems. , 2016, , .		31
27	Multi-objective equilibrium optimizer: framework and development for solving multi-objective optimization problems. Journal of Computational Design and Engineering, 2021, 9, 24-50.	3.1	31
28	Multi-Objective Teaching-Learning-Based Optimization for Structure Optimization. Smart Science, 2022, 10, 56-67.	3.2	25
29	Non-Dominated Sorting Moth Flame Optimizer: A Novel Multi-Objective Optimization Algorithm for Solving Engineering Design Problems. Engineering Technology Open Access Journal, 2018, 2, .	0.4	25
30	Economic Load Dispatch problem with ramp rate limits and prohibited operating zones solve using Levy flight Moth-Flame optimizer. , 2016, , .		23
31	Constraint estimation in three€diode solar photovoltaic model using Gaussian and Cauchy mutation€based hunger games search optimizer and enhanced Newton€"Raphson method. IET Renewable Power Generation, 2022, 16, 1733-1772.	3.1	22
32	Environment Dispatch of Distributed Energy Resources in a microgrid using JAYA Algorithm. , 2016, , .		21
33	A New Metaheuristic Optimization Algorithms for Brushless Direct Current Wheel Motor Design Problem. Computers, Materials and Continua, 2021, 67, 2227-2242.	1.9	21
34	A Novel Hybrid Approach Particle Swarm Optimizer with Moth-Flame Optimizer Algorithm. Advances in Intelligent Systems and Computing, 2017, , 569-577.	0.6	21
35	An emission constraint environment dispatch problem solution with microgrid using Whale Optimization Algorithm. , 2016, , .		20
36	Energy management of Renewable Energy Sources in a microgrid using Cuckoo Search Algorithm. , 2016, , .		20

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37	Price penalty factors based approach for combined economic emission dispatch problem solution using Dragonfly Algorithm. , 2016, , .		18
38	Voltage stability enhancement and voltage deviation minimization using multi-verse optimizer algorithm. , 2016, , .		18
39	Opposition decided gradient-based optimizer with balance analysis and diversity maintenance for parameter identification of solar photovoltaic models. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 7109-7131.	4.9	18
40	A New and Reliable Objective Functions for Extracting the Unknown Parameters of Solar Photovoltaic Cell Using Political Optimizer Algorithm. , 2020, , .		17
41	Multi-Objective Grey Wolf Optimization Algorithm for Solving Real-World BLDC Motor Design Problem. Computers, Materials and Continua, 2022, 70, 2435-2452.	1.9	16
42	Voltage stability enhancement and voltage deviation minimization using BAT optimization algorithm. , 2016, , .		12
43	Multi-objective Moth Flame Optimizer: A Fundamental Visions for Wind Power Integrated Optimal Power Flow with FACTS Devices. Smart Science, 2022, 10, 118-141.	3.2	12
44	Optimized over-current relay coordination using Flower Pollination Algorithm. , 2015, , .		11
45	Optimal Power Flow with shunt Flexible AC Transmission system (FACTS) device using Grey Wolf Optimizer. , 2017, , .		11
46	An Effective Solar Photovoltaic Module Parameter Estimation Technique for Single-Diode Model. IOP Conference Series: Materials Science and Engineering, 2020, 937, 012014.	0.6	11
47	A grey wolf optimizer algorithm for Voltage Stability Enhancement. , 2017, , .		8
48	Voltage stability enhancement and Voltage Deviation Minimization using ant-lion optimizer algorithm. , 2016, , .		7
49	A Novel Hybrid PSO-DA Algorithm for Global Numerical Optimization. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 287-298.	0.7	7
50	Price penalty factors based approach for emission constrained economic dispatch problem solution using whale optimization algorithm. , 2016, , .		6
51	Optimal Power Flow problems solution with SVC using meta-heuristic algorithm. , 2017, , .		5
52	Adaptive Krill Herd Algorithm for Global Numerical Optimization. Advances in Intelligent Systems and Computing, 2017, , 517-525.	0.6	5
53	Optimal active and Reactive Power dispatch problem solution using Moth-Flame Optimizer algorithm. , 2016, , .		4
54	Optimal power flow problems solution with STATCOM using meta-heuristic algorithm. , 2017, , .		4

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55	A Passing Vehicle Search algorithm for solution of Optimal Power flow problems. , 2017, , .		3
56	Study of Different Boundary Constraint Handling Schemes in Interior Search Algorithm. Advances in Intelligent Systems and Computing, 2017, , 547-564.	0.6	2
57	Training Multilayer Perceptrons in Neural Network Using Interior Search Algorithm. Advances in Intelligent Systems and Computing, 2018, , 69-77.	0.6	2
58	Solution of Optimal Power Flow with voltage stability enhancement using Grey Wolf Optimization. , 2016, , .		1