List of Publications by Year
in descending order

61 papers	2,395 citations	279701 23 h-index	233338 45 g-index
61 all docs	61 docs citations	61 times ranked	2029 citing authors

#	Article	IF	Citations
1	An Enhancement of Power Quality With Efficient Active Power Transfer Capability in a PVâ€"BSS-Fed UAPF for Microgrid Realization. IEEE Systems Journal, 2023, 17, 1614-1625.	2.9	7
2	Dynamic MPPT Controller Using Cascade Neural Network for a Wind Power Conversion System with Energy Management. IETE Journal of Research, 2022, 68, 3316-3330.	1.8	11
3	Flexible Ramp Products: A solution to enhance power system flexibility. Renewable and Sustainable Energy Reviews, 2022, 162, 112429.	8.2	18
4	Impact and economic assessment on solar PV mirroring system â€" A feasibility report. Energy Conversion and Management, 2020, 203, 112222.	4.4	14
5	Maximum Power Point tracking in PV Systems using Plant Reproduction algorithm. , 2020, , .		0
6	Enhanced energy harvesting from shaded PV systems using an improved particle swarm optimisation. IET Renewable Power Generation, 2020, 14, 1471-1480.	1.7	9
7	MPPT in PV systems using ant colony optimisation with dwindling population. IET Renewable Power Generation, 2020, 14, 1105-1112.	1.7	59
8	Estimation of system efficiency and utilisation factor of a mirror integrated solar PV system. IET Renewable Power Generation, 2020, 14, 1677-1687.	1.7	5
9	Performance Analysis of Combined Similar Day and Day Ahead Short Term Electrical Load Forecasting using Sequential Hybrid Neural Networks. IETE Journal of Research, 2019, 65, 216-226.	1.8	16
10	Hardware-in-the Loop Testing of Power Transformer Differential Relay Using RTDS and DSP. Electric Power Components and Systems, 2019, 47, 1090-1100.	1.0	2
11	High-Speed Maximum Power Point Tracking Module for PV Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 1119-1129.	5.2	81
12	Real coded genetic algorithm based transmission system loss estimation in dynamic economic dispatch problem. AEJ - Alexandria Engineering Journal, 2018, 57, 3535-3547.	3.4	4
13	Geographic information system and weather based dynamic line rating for generation scheduling. Engineering Science and Technology, an International Journal, 2018, 21, 564-573.	2.0	5
14	An Empirical Fourier Transform-Based Power Transformer Differential Protection. IEEE Transactions on Power Delivery, 2017, 32, 209-218.	2.9	35
15	Day-ahead forecasting of solar photovoltaic output power using multilayer perceptron. Neural Computing and Applications, 2017, 28, 3981-3992.	3.2	50
16	Residential electricity cost minimization model through open well-pico turbine pumped storage system. Applied Energy, 2017, 195, 23-35.	5.1	50
17	Experimental Ä°nvestigation on a Prototype Solar-Wind Hybrid System with a Pico Hydro Turbine. International Journal of Emerging Electric Power Systems, 2017, 18, .	0.6	3
18	Picoâ€hydel hybrid power generation system with an open well energy storage. IET Generation, Transmission and Distribution, 2017, 11, 740-749.	1.4	24

#	ARTICLE	IF	CITATIONS
19	Auxiliary Hybrid PSO-BPNN-Based Transmission System Loss Estimation in Generation Scheduling. IEEE Transactions on Industrial Informatics, 2017, 13, 1692-1703.	7.2	24
20	Artificial neural network predictor for induced draft fan power consumption in thermal power plants. , 2017, , .		3
21	Prediction of induced draft fan power consumption in 500MW steam generators using artificial neural network. , 2017, , .		3
22	Wind-Thermal Integrated Power System Scheduling Problem Using Cuckoo Search Algorithm. , 2017, , 1113-1144.		0
23	Firefly algorithm with multiple workers for the power system unit commitment problem. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 4773-4789.	0.9	8
24	Gravitational search algorithm-based dynamic economic dispatch by estimating transmission system losses using A-loss coefficients. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 3769-3781.	0.9	4
25	Power transformer protection using chirplet transform. IET Generation, Transmission and Distribution, 2016, 10, 2520-2530.	1.4	18
26	Gravitational search algorithm combined with P&O method for MPPT in PV systems. , 2016, , .		4
27	Cascaded simulated annealing/perturb and observe method for MPPT in PV systems. , 2016, , .		2
28	Performance analysis of empirical Fourier transform based power transformer differential protection. , 2016, , .		3
29	Transmission Loss Calculation using A and B Loss Coefficients in Dynamic Economic Dispatch Problem. International Journal of Emerging Electric Power Systems, 2016, 17, 205-216.	0.6	3
30	Development of an Improved P&O Algorithm Assisted Through a Colony of Foraging Ants for MPPT in PV System. IEEE Transactions on Industrial Informatics, 2016, 12, 187-200.	7.2	236
31	Enhanced Energy Output From a PV System Under Partial Shaded Conditions Through Artificial Bee Colony. IEEE Transactions on Sustainable Energy, 2015, 6, 198-209.	5.9	325
32	Analysis of FACTS devices on Security Constrained Unit Commitment problem. International Journal of Electrical Power and Energy Systems, 2015, 66, 280-293.	3.3	18
33	Artificial neural network predictor for grid-connected solar photovoltaic installations at atmospheric temperature. , 2014, , .		10
34	Cost benefit analysis on SVC and UPFC in a dynamic economic dispatch problem. International Journal of Energy Sector Management, 2014, 8, 395-428.	1.2	14
35	Day-ahead prediction of solar power output for grid-connected solar photovoltaic installations using Artificial Neural Networks. , 2014, , .		8
36	Cuckoo Search Algorithm for Emission Reliable Economic Multi-objective Dispatch Problem. IETE Journal of Research, 2014, 60, 128-138.	1.8	31

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37	SCUC problem for solar/thermal power system addressing smart grid issues using FF algorithm. International Journal of Electrical Power and Energy Systems, 2014, 62, 450-460.	3.3	13
38	A spiking neural network (SNN) forecast engine for short-term electrical load forecasting. Applied Soft Computing Journal, 2013, 13, 3628-3635.	4.1	55
39	Profit based unit commitment for GENCOs using parallel NACO in a distributed cluster. Swarm and Evolutionary Computation, 2013, 10, 41-58.	4.5	33
40	Thermal unit commitment considering pumped storage hydro electricity plants. , 2013, , .		5
41	Development of sustainable energy on generation system leads to eco-friendly society. Sustainable Cities and Society, 2013, 8, 1-15.	5.1	4
42	Optimal Deviation Based Firefly Algorithm Tuned Fuzzy Design for Multi-Objective UCP. IEEE Transactions on Power Systems, 2013, 28, 460-471.	4.6	36
43	Binary real coded firefly algorithm for solving unit commitment problem. Information Sciences, 2013, 249, 67-84.	4.0	77
44	Fuzzified artificial bee colony algorithm for nonsmooth and nonconvex multiobjective economic dispatch problem. Turkish Journal of Electrical Engineering and Computer Sciences, 2013, 21, 1995-2014.	0.9	10
45	Estimation of recovery cost with the incorporation of an IPFC in a SCUC problem. , 2013, , .		1
46	NODAL-BASED ANT COLONY OPTIMIZATION FOR PROFIT MAXIMIZATION OF GENCOS IN A DISTRIBUTED CLUSTER MODEL. Applied Artificial Intelligence, 2013, 27, 86-103.	2.0	3
47	Multi-objective scheduling problem: Hybrid approach using fuzzy assisted cuckoo search algorithm. Swarm and Evolutionary Computation, 2012, 5, 1-16.	4.5	120
48	Network and reliability constrained unit commitment problem using binary real coded firefly algorithm. International Journal of Electrical Power and Energy Systems, 2012, 43, 921-932.	3.3	75
49	Nodal ant colony optimization for solving profit based unit commitment problem for GENCOs. Applied Soft Computing Journal, 2012, 12, 145-160.	4.1	67
50	Profit based unit commitment: A parallel ABC approach using a workstation cluster. Computers and Electrical Engineering, 2012, 38, 724-745.	3.0	37
51	Thermal unit commitment using binary/real coded artificial bee colony algorithm. Electric Power Systems Research, 2012, 84, 109-119.	2.1	120
52	Dynamic economic dispatch using artificial bee colony algorithm for units with valve-point effect. European Transactions on Electrical Power, 2011, 21, 70-81.	1.0	105
53	Dynamic economic dispatch using artificial immune system for units with valve-point effect. International Journal of Electrical Power and Energy Systems, 2011, 33, 868-874.	3.3	141
54	Dynamic economic dispatch using Maclaurin series based Lagrangian method. Energy Conversion and Management, 2010, 51, 2212-2219.	4.4	67

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55	Artificial Bee Colony Algorithm for Economic Load Dispatch Problem with Non-smooth Cost Functions. Electric Power Components and Systems, 2010, 38, 786-803.	1.0	155
56	Touring Ant colony Optimization technique for Optimal Power Flow incorporating thyristor controlled series compensator. , 2009, , .		5
57	Application of Touring Ant colony Optimization technique for optimal power flow incorporating thyristor controlled series compensator. , 2009, , .		8
58	Unit commitment in composite generation and transmission systems using Genetic Algorithm. , 2009, , .		3
59	Emission constrained economic dispatch with valve-point effect using particle swarm optimization. , 2008, , .		56
60	Artificial Immune based Economic Load Dispatch with valve-point effect. , 2008, , .		12
61	An ant colony system approach for unit commitment problem. International Journal of Electrical Power and Energy Systems, 2006, 28, 315-323.	3.3	80