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	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
2	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
3	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
4	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
5	Multi-objective scheduling problem: Hybrid approach using fuzzy assisted cuckoo search algorithm. Swarm and Evolutionary Computation, 2012, 5, 1-16.	4.5	120
6	Thermal unit commitment using binary/real coded artificial bee colony algorithm. Electric Power Systems Research, 2012, 84, 109-119.	2.1	120
7	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
8	High-Speed Maximum Power Point Tracking Module for PV Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 1119-1129.	5.2	81
9	An ant colony system approach for unit commitment problem. International Journal of Electrical Power and Energy Systems, 2006, 28, 315-323.	3.3	80
10	Binary real coded firefly algorithm for solving unit commitment problem. Information Sciences, 2013, 249, 67-84.	4.0	77
11	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
12	Dynamic economic dispatch using Maclaurin series based Lagrangian method. Energy Conversion and Management, 2010, 51, 2212-2219.	4.4	67
13	Nodal ant colony optimization for solving profit based unit commitment problem for GENCOs. Applied Soft Computing Journal, 2012, 12, 145-160.	4.1	67
14	MPPT in PV systems using ant colony optimisation with dwindling population. IET Renewable Power Generation, 2020, 14, 1105-1112.	1.7	59
15	Emission constrained economic dispatch with valve-point effect using particle swarm optimization. , 2008, , .		56
16	A spiking neural network (SNN) forecast engine for short-term electrical load forecasting. Applied Soft Computing Journal, 2013, 13, 3628-3635.	4.1	55
17	Day-ahead forecasting of solar photovoltaic output power using multilayer perceptron. Neural Computing and Applications, 2017, 28, 3981-3992.	3.2	50
18	Residential electricity cost minimization model through open well-pico turbine pumped storage system. Applied Energy, 2017, 195, 23-35.	5.1	50

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19	Profit based unit commitment: A parallel ABC approach using a workstation cluster. Computers and Electrical Engineering, 2012, 38, 724-745.	3.0	37
20	Optimal Deviation Based Firefly Algorithm Tuned Fuzzy Design for Multi-Objective UCP. IEEE Transactions on Power Systems, 2013, 28, 460-471.	4.6	36
21	An Empirical Fourier Transform-Based Power Transformer Differential Protection. IEEE Transactions on Power Delivery, 2017, 32, 209-218.	2.9	35
22	Profit based unit commitment for GENCOs using parallel NACO in a distributed cluster. Swarm and Evolutionary Computation, 2013, 10, 41-58.	4.5	33
23	Cuckoo Search Algorithm for Emission Reliable Economic Multi-objective Dispatch Problem. IETE Journal of Research, 2014, 60, 128-138.	1.8	31
24	Pico–hydel hybrid power generation system with an open well energy storage. IET Generation, Transmission and Distribution, 2017, 11, 740-749.	1.4	24
25	Auxiliary Hybrid PSO-BPNN-Based Transmission System Loss Estimation in Generation Scheduling. IEEE Transactions on Industrial Informatics, 2017, 13, 1692-1703.	7.2	24
26	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
27	Power transformer protection using chirplet transform. IET Generation, Transmission and Distribution, 2016, 10, 2520-2530.	1.4	18
28	Flexible Ramp Products: A solution to enhance power system flexibility. Renewable and Sustainable Energy Reviews, 2022, 162, 112429.	8.2	18
29	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
30	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
31	Impact and economic assessment on solar PV mirroring system – A feasibility report. Energy Conversion and Management, 2020, 203, 112222.	4.4	14
32	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
33	Artificial Immune based Economic Load Dispatch with valve-point effect. , 2008, , .		12
34	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
35	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
36	Artificial neural network predictor for grid-connected solar photovoltaic installations at atmospheric temperature. , 2014, , .		10

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37	Enhanced energy harvesting from shaded PV systems using an improved particle swarm optimisation. IET Renewable Power Generation, 2020, 14, 1471-1480.	1.7	9
38	Application of Touring Ant colony Optimization technique for optimal power flow incorporating thyristor controlled series compensator. , 2009, , .		8
39	Day-ahead prediction of solar power output for grid-connected solar photovoltaic installations using Artificial Neural Networks. , 2014, , .		8
40	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
41	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
42	Touring Ant colony Optimization technique for Optimal Power Flow incorporating thyristor controlled series compensator. , 2009, , .		5
43	Thermal unit commitment considering pumped storage hydro electricity plants. , 2013, , .		5
44	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
45	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
46	Development of sustainable energy on generation system leads to eco-friendly society. Sustainable Cities and Society, 2013, 8, 1-15.	5.1	4
47	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
48	Gravitational search algorithm combined with P&O method for MPPT in PV systems. , 2016, , .		4
49	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
50	Unit commitment in composite generation and transmission systems using Genetic Algorithm. , 2009, , .		3
51	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
52	Performance analysis of empirical Fourier transform based power transformer differential protection. , 2016, , .		3
53	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
54	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

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55	Artificial neural network predictor for induced draft fan power consumption in thermal power plants. , 2017, , .		3
56	Prediction of induced draft fan power consumption in 500MW steam generators using artificial neural network. , 2017, , .		3
57	Cascaded simulated annealing/perturb and observe method for MPPT in PV systems. , 2016, , .		2
58	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
59	Estimation of recovery cost with the incorporation of an IPFC in a SCUC problem. , 2013, , .		1
60	Maximum Power Point tracking in PV Systems using Plant Reproduction algorithm. , 2020, , .		0
61	Wind-Thermal Integrated Power System Scheduling Problem Using Cuckoo Search Algorithm. , 2017, , 1113-1144.		0