Sishaj P Simon

List of Publications by Year
in descending order

55	2,012	393982	395343
papers	citations	19	33
		h-index	g-index

55	55	55	1712
all docs	docs citations	times ranked	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	Multi-objective scheduling problem: Hybrid approach using fuzzy assisted cuckoo search algorithm. Swarm and Evolutionary Computation, 2012, 5, 1-16.	4.5	120
5	Thermal unit commitment using binary/real coded artificial bee colony algorithm. Electric Power Systems Research, 2012, 84, 109-119.	2.1	120
6	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
7	An ant colony system approach for unit commitment problem. International Journal of Electrical Power and Energy Systems, 2006, 28, 315-323.	3.3	80
8	Binary real coded firefly algorithm for solving unit commitment problem. Information Sciences, 2013, 249, 67-84.	4.0	77
9	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
10	Nodal ant colony optimization for solving profit based unit commitment problem for GENCOs. Applied Soft Computing Journal, 2012, 12, 145-160.	4.1	67
11	PSO–LSTM for short term forecast of heterogeneous time series electricity price signals. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 2375-2385.	3.3	59
12	MPPT in PV systems using ant colony optimisation with dwindling population. IET Renewable Power Generation, 2020, 14, 1105-1112.	1.7	59
13	Emission constrained economic dispatch with valve-point effect using particle swarm optimization. , 2008, , .		56
14	Day-ahead forecasting of solar photovoltaic output power using multilayer perceptron. Neural Computing and Applications, 2017, 28, 3981-3992.	3.2	50
15	Residential electricity cost minimization model through open well-pico turbine pumped storage system. Applied Energy, 2017, 195, 23-35.	5.1	50
16	Profit based unit commitment: A parallel ABC approach using a workstation cluster. Computers and Electrical Engineering, 2012, 38, 724-745.	3.0	37
17	Optimal Deviation Based Firefly Algorithm Tuned Fuzzy Design for Multi-Objective UCP. IEEE Transactions on Power Systems, 2013, 28, 460-471.	4.6	36
18	An Empirical Fourier Transform-Based Power Transformer Differential Protection. IEEE Transactions on Power Delivery, 2017, 32, 209-218.	2.9	35

#	Article	IF	Citations
19	Profit based unit commitment for GENCOs using parallel NACO in a distributed cluster. Swarm and Evolutionary Computation, 2013, 10, 41-58.	4.5	33
20	Cuckoo Search Algorithm for Emission Reliable Economic Multi-objective Dispatch Problem. IETE Journal of Research, 2014, 60, 128-138.	1.8	31
21	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
22	A parallel ABC for security constrained economic dispatch using shared memory model. , 2012, , .		14
23	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
24	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
25	Artificial Immune based Economic Load Dispatch with valve-point effect. , 2008, , .		12
26	Multi-objective unit commitment problem using Cuckoo search Lagrangian method. International Journal of Engineering, Science and Technology, 2018, 4, 98-105.	0.3	12
27	Short Term Solar Power and Temperature Forecast Using Recurrent Neural Networks. Neural Processing Letters, 2021, 53, 4407-4418.	2.0	11
28	Artificial neural network predictor for grid-connected solar photovoltaic installations at atmospheric temperature. , 2014, , .		10
29	Emission constrained economic dispatch with valve-point effect using Maclaurin series-based Lagrangian method. International Journal of Power and Energy Conversion, 2012, 3, 1.	0.2	9
30	Application of Touring Ant colony Optimization technique for optimal power flow incorporating thyristor controlled series compensator. , 2009, , .		8
31	Binary/real coded particle swarm optimization for unit commitment problem. , 2012, , .		8
32	Day-ahead prediction of solar power output for grid-connected solar photovoltaic installations using Artificial Neural Networks. , 2014, , .		8
33	Global maximum power point tracking in partially shaded PV systems using plant reproduction algorithm. IET Renewable Power Generation, 2021, 15, 903-913.	1.7	8
34	A Novel Signal Localized Convolution Neural Network for Power Transformer Differential Protection. IEEE Transactions on Power Delivery, 2022, 37, 1242-1251.	2.9	8
35	A novel energy routing technique with hybrid energy storage for residential electricity cost minimization in a smart distribution network. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-18.	1.2	6
36	Thermal unit commitment considering pumped storage hydro electricity plants. , 2013, , .		5

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37	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
38	Development of sustainable energy on generation system leads to eco-friendly society. Sustainable Cities and Society, 2013, 8, 1-15.	5.1	4
39	Gravitational search algorithm combined with P&O method for MPPT in PV systems. , 2016, , .		4
40	Unit commitment in composite generation and transmission systems using Genetic Algorithm. , 2009, , .		3
41	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
42	Performance analysis of empirical Fourier transform based power transformer differential protection. , 2016, , .		3
43	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
44	Artificial neural network predictor for induced draft fan power consumption in thermal power plants. , 2017, , .		3
45	Prediction of induced draft fan power consumption in 500MW steam generators using artificial neural network. , 2017, , .		3
46	Wind-Thermal Integrated Power System Scheduling Problem Using Cuckoo Search Algorithm. International Journal of Operations Research and Information Systems, 2014, 5, 81-109.	1.0	3
47	Hybrid Particle swarm approach for Security constrained unit commitment. , 2012, , .		2
48	Cascaded simulated annealing/perturb and observe method for MPPT in PV systems. , 2016, , .		2
49	Energy Audit in a Railway Traction Substation (A Real Case Study). Journal of the Institution of Engineers (India): Series B, 2020, 101, 411-416.	1.3	2
50	A Smart BTS/Node B Network Monitoring and Control using IoT. , 2019, , .		1
51	Increased Energy Harvesting from shaded PV power plant using a fast converging Fruit fly Algorithm. Journal of the Institution of Engineers (India): Series B, 0, , .	1.3	1
52	Maximum Power Point tracking in PV Systems using Plant Reproduction algorithm. , 2020, , .		0
53	IoT Based RF Antenna- Radiation Pattern Control in Mobile Communication Systems. , 2020, , .		0
54	Wind-Thermal Integrated Power System Scheduling Problem Using Cuckoo Search Algorithm. , 2017, , 1113-1144.		0

#	Article	IF	Citations
55	Quality analysis of combined similar day and day ahead short-term load forecasting using recurrent neural networks. Sadhana - Academy Proceedings in Engineering Sciences, 2022, 47, 1.	0.8	0