T Jayabarathi

List of Publications by Year
in descending order

48 papers	2,303 citations	411340 20 h-index	355658 38 g-index
49 all docs	49 docs citations	49 times ranked	2128 citing authors

#	Article	IF	Citations
1	Optimal Modeling and Allocation of Mixed Wind and Solar Generation Systems in Electric Distribution Networks. IETE Journal of Research, 2022, 68, 4129-4141.	1.8	12
2	Optimal reconfiguration and renewable distributed generation allocation in electric distribution systems. International Journal of Ambient Energy, 2021, 42, 1018-1031.	1.4	50
3	Loss minimization techniques for optimal operation and planning of distribution systems: A review of different methodologies. International Transactions on Electrical Energy Systems, 2020, 30, e12230.	1.2	45
4	A Survey on Load/Power Flow Methods and DG Allocation Using Grasshopper Optimization Algorithm in Distribution Networks. Advances in Intelligent Systems and Computing, 2020, , 621-630.	0.5	4
5	Optimal Reconfiguration of Distribution Network in Presence of D-STATCOM and Photovoltaic Array using a Metaheuristic Algorithm. European Journal of Electrical Engineering and Computer Science, 2020, 4, .	0.5	5
6	Enabling resilient wideâ€area POD at BESS in Java, Indonesia 500ÂkV power grid. IET Generation, Transmission and Distribution, 2019, 13, 3734-3744.	1.4	13
7	Cat swarm algorithm in wireless sensor networks for optimized cluster head selection: a real time approach. Cluster Computing, 2019, 22, 11351-11361.	3.5	31
8	The Bat Algorithm, Variants and Some Practical Engineering Applications: A Review. Studies in Computational Intelligence, 2018, , 313-330.	0.7	54
9	Optimal capacitor placement in radial distribution systems using flower pollination algorithm. AEJ - Alexandria Engineering Journal, 2018, 57, 2775-2786.	3.4	90
10	Optimal reactive power dispatch problem solved by an improved colliding bodies optimization algorithm. , 2017, , .		9
11	Optimal Allocation of Distributed Generation Using Hybrid Grey Wolf Optimizer. IEEE Access, 2017, 5, 14807-14818.	2.6	179
12	Optimal reactive power dispatch problem solved by symbiotic organism search algorithm. , 2017, , .		12
13	A hybrid method for optimal load shedding and improving voltage stability. Ain Shams Engineering Journal, 2016, 7, 223-232.	3.5	27
14	Multi objective Flower Pollination Algorithm for solving capacitor placement in radial distribution system using data structure load flow analysis. Archives of Electrical Engineering, 2016, 65, 203-220.	1.0	13
15	Economic dispatch using hybrid grey wolf optimizer. Energy, 2016, 111, 630-641.	4.5	291
16	Economic dispatch using chaotic bat algorithm. Energy, 2016, 96, 666-675.	4.5	279
17	Optimal placement and sizing of multiple distributed generating units in distribution networks by invasive weed optimization algorithm. Ain Shams Engineering Journal, 2016, 7, 683-694.	3.5	122
18	Multiobjective Optimal Reactive Power Dispatch Considering Voltage Stability Using Shuffled Frog Leaping Algorithm. Research Journal of Applied Sciences, Engineering and Technology, 2015, 10, 315-321.	0.1	0

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19	IMPROVED HARMONY SEARCH ALGORITHM BASED OPTIMAL LOAD SHEDDING FOR RADIAL DISTRIBUTION SYSTEMS WITHOUT AND WITH DISTRIBUTED GENERATIONS. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.3	0
20	A Case Study of Bio-Optimization Techniques for Wireless Sensor Network in Node Location Awareness. Indian Journal of Science and Technology, 2015, 8, .	0.5	3
21	Steady State Load Shedding to Prevent Blackout in the Power System using Artificial Bee Colony Algorithm. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.3	3
22	Hybrid Differential Evolution (HDE) Algorithm Based Optimization Technique for Relay Assisting Wireless Optical Communication. Research Journal of Applied Sciences, Engineering and Technology, 2015, 10, 514-521.	0.1	0
23	Steady state load shedding to mitigate blackout in power systems using an improved harmony search algorithm. Ain Shams Engineering Journal, 2015, 6, 819-834.	3.5	18
24	Optimal location and sizing of distributed generation unit using intelligent water drop algorithm. Sustainable Energy Technologies and Assessments, 2015, 11, 106-113.	1.7	76
25	GSO based optimization of steady state load shedding in power systems to mitigate blackout during generation contingencies. Ain Shams Engineering Journal, 2015, 6, 145-160.	3.5	11
26	Combined heat and power economic dispatch problem using the invasive weed optimization algorithm. Frontiers in Energy, 2014, 8, 25-30.	1.2	41
27	Cooperative Wireless Optical communication system using IWO based optimal relay placement. , 2014, , .		0
28	Application and Comparison of PSO, its Variants and HDE Techniques to Emission/Economic Dispatch. Arabian Journal for Science and Engineering, 2014, 39, 967-976.	1.1	12
29	Solution to economic dispatch problem with valve-point loading effect by using catfish PSO algorithm. Frontiers in Energy, 2014, 8, 290-296.	1.2	9
30	Combined heat and power economic dispatch problem using firefly algorithm. Frontiers in Energy, 2013, 7, 133-139.	1.2	57
31	A Fuzzy Approach of Autonomous Power Generating Systems. Procedia Engineering, 2012, 38, 753-762.	1.2	5
32	A novel power system reconfiguration for a distribution system with minimum load balancing index using bacterial foraging optimization algorithm. Frontiers in Energy, 2012, 6, 260-265.	1.2	7
33	Application of the invasive weed optimization algorithm to economic dispatch problems. Frontiers in Energy, 2012, 6, 255-259.	1.2	11
34	Fault classification and reconfiguration of distribution systems using equivalent capacity margin method. Frontiers in Energy, 2012, 6, 394-402.	1.2	0
35	A hybrid BFA-PSO algorithm for economic dispatch with valve-point effects. Frontiers in Energy, 2012, 6, 155-163.	1.2	19
36	Power system reconfiguration and loss minimization for an distribution systems using bacterial foraging optimization algorithm. International Journal of Electrical Power and Energy Systems, 2012, 36, 13-17.	3.3	173

#	Article	IF	Citations
37	An effect of SMES using automatic generation control in a multi area power system. , 2011, , .		4
38	Load Frequency Control using PID tuned ANN controller in power system. , 2011, , .		22
39	Power system restoration, reconfiguration and optimization using Field Programmable Gate Array. , 2011, , .		0
40	A New Brute-Force Attack Method for Power System Restoration and Reconfiguration. International Journal of Soft Computing, 2011, 6, 16-19.	0.4	0
41	Combined Hybrid Differential Particle Swarm Optimization Approach for Economic Dispatch Problems. Electric Power Components and Systems, 2010, 38, 545-557.	1.0	12
42	A Novel Selective Particle Swarm Optimization Approach for Combined Heat and Power Economic Dispatch. Electric Power Components and Systems, 2009, 37, 1231-1240.	1.0	57
43	Hybrid Differential Evolution Technique for Economic Dispatch Problems. Journal of Electrical Engineering and Technology, 2008, 3, 476-483.	1.2	5
44	Particle swarm optimization for various types of economic dispatch problems. International Journal of Electrical Power and Energy Systems, 2006, 28, 36-42.	3.3	188
45	Evolutionary programming techniques for different kinds of economic dispatch problems. Electric Power Systems Research, 2005, 73, 169-176.	2.1	140
46	Evolutionary Programming-Based Multiarea Economic Dispatch with Tie Line Constraints. Electric Power Components and Systems, 2000, 28, 1165-1176.	0.1	59
47	Evolutionary programming–based economic dispatch for units with multiple fuel options. European Transactions on Electrical Power, 2000, 10, 167-170.	1.0	51
48	Evolutionary programming based economic dispatch of generators with prohibited operating zones. Electric Power Systems Research, 1999, 52, 261-266.	2.1	80