T Jayabarathi

List of Publications by Year
in descending order

48 papers	2,303 citations	361413 20 h-index	315739 38 g-index
49 all docs	49 docs citations	49 times ranked	1881 citing authors

#	ARTICLE	IF	CITATIONS
1	Economic dispatch using hybrid grey wolf optimizer. Energy, 2016, 111, 630-641.	8.8	291
2	Economic dispatch using chaotic bat algorithm. Energy, 2016, 96, 666-675.	8.8	279
3	Particle swarm optimization for various types of economic dispatch problems. International Journal of Electrical Power and Energy Systems, 2006, 28, 36-42.	5.5	188
4	Optimal Allocation of Distributed Generation Using Hybrid Grey Wolf Optimizer. IEEE Access, 2017, 5, 14807-14818.	4.2	179
5	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.	5.5	173
6	Evolutionary programming techniques for different kinds of economic dispatch problems. Electric Power Systems Research, 2005, 73, 169-176.	3.6	140
7	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.	6.1	122
8	Optimal capacitor placement in radial distribution systems using flower pollination algorithm. AEJ - Alexandria Engineering Journal, 2018, 57, 2775-2786.	6.4	90
9	Evolutionary programming based economic dispatch of generators with prohibited operating zones. Electric Power Systems Research, 1999, 52, 261-266.	3.6	80
10	Optimal location and sizing of distributed generation unit using intelligent water drop algorithm. Sustainable Energy Technologies and Assessments, 2015, 11, 106-113.	2.7	76
11	Evolutionary Programming-Based Multiarea Economic Dispatch with Tie Line Constraints. Electric Power Components and Systems, 2000, 28, 1165-1176.	0.1	59
12	A Novel Selective Particle Swarm Optimization Approach for Combined Heat and Power Economic Dispatch. Electric Power Components and Systems, 2009, 37, 1231-1240.	1.8	57
13	Combined heat and power economic dispatch problem using firefly algorithm. Frontiers in Energy, 2013, 7, 133-139.	2.3	57
14	The Bat Algorithm, Variants and Some Practical Engineering Applications: A Review. Studies in Computational Intelligence, 2018, , 313-330.	0.9	54
15	Evolutionary programming–based economic dispatch for units with multiple fuel options. European Transactions on Electrical Power, 2000, 10, 167-170.	1.0	51
16	Optimal reconfiguration and renewable distributed generation allocation in electric distribution systems. International Journal of Ambient Energy, 2021, 42, 1018-1031.	2.5	50
17	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.	1.9	45
18	Combined heat and power economic dispatch problem using the invasive weed optimization algorithm. Frontiers in Energy, 2014, 8, 25-30.	2.3	41

#	Article	IF	Citations
19	Cat swarm algorithm in wireless sensor networks for optimized cluster head selection: a real time approach. Cluster Computing, 2019, 22, 11351-11361.	5.0	31
20	A hybrid method for optimal load shedding and improving voltage stability. Ain Shams Engineering Journal, 2016, 7, 223-232.	6.1	27
21	Load Frequency Control using PID tuned ANN controller in power system. , 2011, , .		22
22	A hybrid BFA-PSO algorithm for economic dispatch with valve-point effects. Frontiers in Energy, 2012, 6, 155-163.	2.3	19
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.	6.1	18
24	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
25	Enabling resilient wideâ€area POD at BESS in Java, Indonesia 500ÂkV power grid. IET Generation, Transmission and Distribution, 2019, 13, 3734-3744.	2.5	13
26	Combined Hybrid Differential Particle Swarm Optimization Approach for Economic Dispatch Problems. Electric Power Components and Systems, 2010, 38, 545-557.	1.8	12
27	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
28	Optimal reactive power dispatch problem solved by symbiotic organism search algorithm. , 2017, , .		12
29	Optimal Modeling and Allocation of Mixed Wind and Solar Generation Systems in Electric Distribution Networks. IETE Journal of Research, 2022, 68, 4129-4141.	2.6	12
30	Application of the invasive weed optimization algorithm to economic dispatch problems. Frontiers in Energy, 2012, 6, 255-259.	2.3	11
31	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.	6.1	11
32	Solution to economic dispatch problem with valve-point loading effect by using catfish PSO algorithm. Frontiers in Energy, 2014, 8, 290-296.	2.3	9
33	Optimal reactive power dispatch problem solved by an improved colliding bodies optimization algorithm. , 2017, , .		9
34	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.	2.3	7
35	A Fuzzy Approach of Autonomous Power Generating Systems. Procedia Engineering, 2012, 38, 753-762.	1.2	5
36	Hybrid Differential Evolution Technique for Economic Dispatch Problems. Journal of Electrical Engineering and Technology, 2008, 3, 476-483.	2.0	5

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37	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
38	An effect of SMES using automatic generation control in a multi area power system. , 2011, , .		4
39	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.	0.6	4
40	A Case Study of Bio-Optimization Techniques for Wireless Sensor Network in Node Location Awareness. Indian Journal of Science and Technology, 2015, 8, .	0.7	3
41	Steady State Load Shedding to Prevent Blackout in the Power System using Artificial Bee Colony Algorithm. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.4	3
42	Power system restoration, reconfiguration and optimization using Field Programmable Gate Array. , 2011, , .		0
43	Fault classification and reconfiguration of distribution systems using equivalent capacity margin method. Frontiers in Energy, 2012, 6, 394-402.	2.3	0
44	Cooperative Wireless Optical communication system using IWO based optimal relay placement. , 2014, , .		0
45	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
46	IMPROVED HARMONY SEARCH ALGORITHM BASED OPTIMAL LOAD SHEDDING FOR RADIAL DISTRIBUTION SYSTEMS WITHOUT AND WITH DISTRIBUTED GENERATIONS. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	0
47	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
48	A New Brute-Force Attack Method for Power System Restoration and Reconfiguration. International Journal of Soft Computing, 2011, 6, 16-19.	0.4	0