Niladri Chakraborty

List of Publications by Year
in descending order

51	337	1163117	996975
papers	citations	8	15
		h-index	g-index

51	51	51	334
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Power loss minimization by optimal capacitor placement in radial distribution system using modified cultural algorithm. International Transactions on Electrical Energy Systems, 2015, 25, 54-71.	1.9	45
2	Modelling of a downdraft biomass gasifier with finite rate kinetics in the reduction zone. International Journal of Energy Research, 2009, 33, 833-851.	4.5	40
3	A novel opposition-based tuned-chaotic differential evolution technique for techno-economic analysis by optimal placement of distributed generation. Engineering Optimization, 2020, 52, 303-324.	2.6	30
4	Optimal placement of different types of DG units considering various load models using novel multiobjective quasi-oppositional grey wolf optimizer. Soft Computing, 2021, 25, 4845-4864.	3.6	16
5	A novel residual energy–based distributed clustering and routing approach for performance study of wireless sensor network. International Journal of Communication Systems, 2019, 32, e3921.	2.5	15
6	Cuckoo search algorithm based optimal reactive power dispatch. , 2014, , .		13
7	A novel evolutionary technique based on electrolocation principle of elephant nose fish and shark: fish electrolocation optimization. Soft Computing, 2017, 21, 3827-3848.	3.6	13
8	Hybrid SMES Based Reactive Power Dispatch by Cuckoo Search Algorithm. IEEE Transactions on Industry Applications, 2019, 55, 907-917.	4.9	13
9	Constriction factor based particle swarm optimization for analyzing tuned reactive power dispatch. Frontiers in Energy, 2013, 7, 174-181.	2.3	11
10	Optimal techno–economic analysis of a renewable based hybrid microgrid incorporating gravity energy storage system in Indian perspective using whale optimization algorithm. International Transactions on Electrical Energy Systems, 2021, 31, e13025.	1.9	10
11	Unscheduled interchange (UI) price based secondary frequency control of an interconnected hybrid power system. , 2014, , .		8
12	Modification of Floyd-Warshall's algorithm for Shortest Path routing in wireless sensor networks. , 2014, , .		8
13	Cuckoo Search Algorithm Based Cost Minimization by Optimal DG and Capacitor Integration in Radial Distribution Systems. , 2018, , .		8
14	Differential Evolution Technique with Random Localization for Tuned Reactive Power Dispatch Problem. Electric Power Components and Systems, 2013, 41, 500-518.	1.8	7
15	Design of smart grid in an University Campus using ZigBee mesh networks. , 2016, , .		7
16	Temperature and humidity monitoring through wireless sensor network using shortest path algorithm. , 2014, , .		6
17	Reliability based multi-objective DG and capacitor allocation in radial distribution system. , 2016, , .		6
18	A cost–optimized power management strategy for combined wind thermal–pumped hydro generation considering wind power uncertainty. International Transactions on Electrical Energy Systems, 2019, 29, e12104.	1.9	6

#	Article	IF	Citations
19	Cascaded cuckoo search optimization of router placement in signal attenuation minimization for a wireless sensor network in an indoor environment. Engineering Optimization, 2019, 51, 2127-2146.	2.6	6
20	Generalized stochastic Petri nets for uncertain renewable–based hybrid generation and load in a microgrid system. International Transactions on Electrical Energy Systems, 2020, 30, e12195.	1.9	6
21	A dual mode wind turbine operation with hybrid energy storage system for electricity generation at constant voltage in an islanded microgrid. International Journal of Energy Research, 2021, 45, 18885-18902.	4.5	6
22	Cost Minimization of Power Delivery Systems by Optimal Power Generation from Distributed Energy Resources Using Real Valued Cultural Algorithm. International Journal of Energy Optimization and Engineering, 2013, 2, 44-61.	0.6	5
23	Voltage profile improvement and congestion management using STATCOM and UPFC device. , 2016, , .		5
24	Dynamic Economic Emission Dispatch using self-adaptive multivariate distribution based modified Real Coded Genetic Algorithm. , 2017, , .		5
25	Comparison of different variants of Differential Evolution applied to short-term economic generation scheduling of hydrothermal systems. , 2010, , .		4
26	Automatic generation control of a hybrid power system in deregulated environment utilizing GA, DE and CA tuned PID controller. , 2015, , .		4
27	Optimised use of nodes in Wireless Sensor Network: A novel approach to overcome the effect of interference. , 2016, , .		3
28	Hybrid renewable energy–integrated Indian power system under availability–based tariff. International Transactions on Electrical Energy Systems, 2019, 29, e12162.	1.9	3
29	Profit maximization by optimal allocation of capacitor in radial distribution system using cultural algorithm. , 2010, , .		2
30	Reactive power generation minimization aspect in deregulatory power scenario using particle swarm optimization technique. , 2011, , .		2
31	â€œObservations on Aerosol Optical Depth Over a Period of 3 Years at Kaikhali (22.022Â°N, 88.614Â°E) Inside a Special Mangrove Ecosystemâ€”The Sundarbansâ€. Water, Air, and Soil Pollution, 2011, 215, 477-486.	2.4	2
32	Economic analysis of a hybrid solar-fuel cell power delivery system using tuned genetic algorithm. Frontiers in Energy, 2012, 6, 12-20.	2.3	2
33	Impact of modified differential evolution strategy on reactive power dispatch problem. , 2014, , .		2
34	Effects of Unscheduled Interchange based secondary frequency control on tie line power of multi-area hybrid power system. , 2015, , .		2
35	Reliability enhancement in radial distribution system using Fish Electrolocation Optimization. , 2016, , .		2
36	Strategic Distributed Generator placements in distribution buses by indices based techniques. , 2016, , .		2

#	Article	IF	Citations
37	Placement of optimized number of wireless sensor nodes to design an efficient monitoring network. , 2017, , .		2
38	Optimal Active and Reactive Power Dispatch for coordinated Wind Thermal Generation System. , 2018, , .		2
39	Modeling components of a DC coupled photovoltaic system with maximum power point tracking. , 2012, , .		1
40	Multiobjective optimal placement and sizing of SVC using cultural algorithm. , 2014, , .		1
41	Imperialistic competition based short-term economic emission dispatch of hydrothermal power system with cascaded reservoirs. , 2015, , .		1
42	Marginal price based shunt capacitor operation in a day ahead reactive power management by Cuckoo Search algorithm. , 2015, , .		1
43	Modified Differential Evolution based reactive power dispatch involving multilateral power transactions in deregulated power scenario. , 2015, , .		1
44	Hybrid SMES based reactive power dispatch by Cuckoo Search Algorithm. , 2016, , .		1
45	An approach to quantify the applicability of DG placement techniques using Fault Tree Analysis. , 2018, , .		1
46	Generalized Stochastic Petri Nets (GSPN) for Analysis of Microgrid under Uncertainities. , 2018, , .		1
47	Optimal model of hour-ahead power bidding in deregulation. , 2014, , .		0
48	Root Shoot Coordination Optimization (RSCO) for economic load dispatch. , 2014, , .		0
49	Online monitoring of power data through wireless sensor network. , 2014, , .		0
50	Optimal reactive power dispatch involving SMES by Cuckoo search algorithm. , 2016, , .		0
51	Performance study of routing protocols for power data transfer in Wireless Sensor Network. , 2017, , .		0