Arup Kumar Goswami

List of Publications by Year
in descending order

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111	1,606	304701	345203
papers	citations	22 h-index	36 g-index

111	111	111	1294
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Random Fault Positioning Based Voltage Sag Assessment for a Large Power Transmission Network. Algorithms for Intelligent Systems, 2022, , 55-66.	0.6	0
2	Risk and cost benchmarking of solar energy technology based on celestial phenomenon for a power market integration. Sustainable Energy Technologies and Assessments, 2022, 49, 101650.	2.7	2
3	Bayesian Optimization-Based Gradient Boosting Method of Fault Detection in Oil-Immersed Transformer and Reactors. IEEE Transactions on Industry Applications, 2022, 58, 1910-1919.	4.9	11
4	Bayesian Optimization based Random Forest Method for State-of Charge Prediction for Congestion Management in Distribution System Considering Charging Coordination of Plug-in Electric Vehicle. , 2022, , .		1
5	Security Constrained two Stage Scheduling of Virtual Power Plant under Distributed Locational Marginal Prices. , 2022, , .		0
6	Renewable Energy Resources Forecasting Model for Virtual Power Plant in the Deregulated Electricity Market using Machine Learning. , 2022, , .		3
7	Bivariate Modelling of Normalized Energy Intensity of Oil and Paper for Accessing the Fault Severity of Transformer and Reactors. , 2022, , .		3
8	Power System Fault Analysis on Inverter and Multi Modular Converter Based DC Transmission Network. , 2022, , .		0
9	Reliability Evaluation of Distribution System Based on Interval Type-2 Fuzzy System. Advances in Intelligent Systems and Computing, 2021, , 223-236.	0.6	0
10	Impact of Plug-in Electric Vehicle Integration in Distribution System Congestion Management. , 2021, , .		6
11	Distribution System Congestion Management by Charging Coordination of Plug-in Electric Vehicle. , 2021, , .		3
12	Bayesian optimization based machine learning approaches for prediction of plug-in electric vehicle state-of-charge. International Journal of Emerging Electric Power Systems, 2021, .	0.8	1
13	Congestion Management Considering Plug-in Electric Vehicle Charging Coordination in Distribution System. , 2021, , .		2
14	An approach to reliability modeling and availability analysis of a solar electric vehicle with standby plugâ€in facility. International Transactions on Electrical Energy Systems, 2021, 31, e13147.	1.9	4
15	Reliability analysis of an active distribution network integrated with solar, wind and tidal energy sources. International Transactions on Electrical Energy Systems, 2021, 31, e13201.	1.9	6
16	Impact of Voltage Sag on Market Operation in Electrical Power System. , 2021, , .		1
17	Plug-in Electric Vehicleâ€™s State-of Charge Prediction by Random Forest based Bayesian Optimization for Coordination Strategy in Distribution System Congestion Management. , 2021, , .		0
18	Efficacy of solar EV Duo: way to voltage sag mitigation. IET Generation, Transmission and Distribution, 2020, 14, 131-139.	2.5	5

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19	A probabilistic approach for assessment of financial loss due to equipment outage caused by voltage sag using cost matrix. International Transactions on Electrical Energy Systems, 2020, 30, e12202.	1.9	13
20	A novel approach for voltage sag representation in a chemical industry: A case study. Engineering Reports, 2020, 2, e12198.	1.7	6
21	Charging Coordination of Plug-In Electric Vehicle for Congestion Management in Distribution System Integrated With Renewable Energy Sources. IEEE Transactions on Industry Applications, 2020, 56, 5452-5462.	4.9	58
22	Propagation of Voltage Sag Considering Different Winding Connections: Impact on the Healthiness of Transformers. IEEE Transactions on Industry Applications, 2020, 56, 6186-6196.	4.9	8
23	Diagnosis Report on Voltage Sag for Different Power Distribution Networks. , 2020, , .		3
24	An efficient bidding strategy for selecting most economic horizon in restructured electricity market with hybrid generation and energy storage. Journal of Energy Storage, 2020, 28, 101289.	8.1	5
25	A Probabilistic Approach of Fault Detection through Dissolved Gas Analysis in Transformer and Reactor. , 2020, , .		3
26	Series Compensation Technique for the Reduction of Voltage Sag for Transmission System. Learning and Analytics in Intelligent Systems, 2020, , 287-295.	0.6	1
27	Uncertain wind power forecasting using LSTMâ€based prediction interval. IET Renewable Power Generation, 2020, 14, 2657-2667.	3.1	39
28	Prediction of Plug-in Electric Vehicle's State-of-Charge using Gradient Boosting Method and Random Forest Method. , 2020, , .		8
29	Distribution System Failure Assessment Using Fuzzy Fault Tree Analysis. Learning and Analytics in Intelligent Systems, 2020, , 429-438.	0.6	0
30	An Approach for System Risk Assessment and Mitigation by Optimal Operation of Wind Farm and FACTS Devices in a Centralized Competitive Power Market. IEEE Transactions on Sustainable Energy, 2019, 10, 1054-1065.	8.8	30
31	Virtual Power Plant Management in Smart Grids with XMPP Based IEC 61850 Communication. Energies, 2019, 12, 2398.	3.1	44
32	Wind power: Existing status, achievements and government's initiative towards renewable power dominating India. Energy Strategy Reviews, 2019, 23, 178-199.	7.3	71
33	An approach for long term economic operations of competitive power market by optimal combined scheduling of wind turbines and FACTS controllers. Energy, 2019, 181, 709-723.	8.8	25
34	Optimal selection of voltage sag mitigating devices for microâ€level customer in distribution system. IET Renewable Power Generation, 2019, 13, 191-200.	3.1	6
35	Fuzzy Reliability Assessment of Distribution System with Wind Farms and Plug-in Electric Vehicles. Electric Power Components and Systems, 2019, 47, 1791-1804.	1.8	7
36	Determining Healthiness of Shunt Reactor through Signature Analysis â€“ A Case Study. , 2019, , .		1

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37	Review of Smart and Innovative Energy Storage Systems. , 2019, , .		2
38	Uncertainty borne balancing cost modeling for wind power forecasting. Energy Sources, Part B: Economics, Planning and Policy, 2019, 14, 291-303.	3.4	6
39	Copula based bivariate modelling of DGA and breakdown voltage in high voltage transformers and reactors. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 1763-1770.	2.9	9
40	Comparative Review of Energy Storage Systems, Their Roles, and Impacts on Future Power Systems. IEEE Access, 2019, 7, 4555-4585.	4.2	280
41	Impact of plug-in electric vehicles and distributed generation on reliability of distribution systems. Engineering Science and Technology, an International Journal, 2018, 21, 50-59.	3.2	64
42	Fuzzy Based Approach for Restoration of Distribution System During Post Natural Disasters. IEEE Access, 2018, 6, 3448-3458.	4.2	22
43	Charging Coordination of Plug-in Electric Vehicle for Congestion Management in Distribution System Integrated with Renewable Energy Sources. , 2018, , .		8
44	Optimal Selection of Voltage Sag Mitigating Devices Using Whale Optimization Algorithm for Small and Medium Sized Customers in Distribution System. , 2018, , .		1
45	Voltage Sag Mitigation Using Distributed Generation For An Industrial Distribution System. , 2018, , .		8
46	A Comparative Study on Propagation of Voltage Sag through Different Transformer Winding Connections. , 2018, , .		1
47	Impact Assessment of Bi-directional Solar Electric Vehicle in Competitive Electricity Market under Congested Transmission System. Procedia Computer Science, 2018, 143, 653-662.	2.0	1
48	Assessment of Equipment Trip Probability Due to Voltage Sags Based on Fuzzy Possibility Distribution Function. IEEE Access, 2018, 6, 76889-76899.	4.2	23
49	Modelling of Logic Circuit for Enabling High Speed Auto Reclosure of High Voltage System. , 2018, , .		0
50	Wind Power Generation, an Ingredient for Charging Battery Electric Vehicle (BEV) and a Useful Menace of Voltage Sag in Distribution System. , 2018, , .		0
51	Efficient approach for establishing the economic and operating reliability via optimal coordination of windâ€“PSHâ€“solarâ€storage hybrid plant in highly uncertain double auction competitive power market. IET Renewable Power Generation, 2018, 12, 1189-1202.	3.1	22
52	Charging Coordination of Plug-In Electric Vehicle for Congestion Management in Distribution System. International Journal of Emerging Electric Power Systems, 2018, 19, .	0.8	10
53	Optimal estimation of power system harmonics using a hybrid Firefly algorithm-based least square method. Soft Computing, 2017, 21, 1721-1734.	3.6	18
54	An approach for efficient assessment of the performance of double auction competitive power market under variable imbalance cost due to high uncertain wind penetration. Renewable Energy, 2017, 108, 230-243.	8.9	18

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55	Gravity Search Algorithm hybridized Recursive Least Square method for power system harmonic estimation. Engineering Science and Technology, an International Journal, 2017, 20, 874-884.	3.2	22
56	Optimal distributed generation placement in distribution system to improve reliability and critical loads pick up after natural disasters. Engineering Science and Technology, an International Journal, 2017, 20, 825-832.	3.2	22
57	Voltage sag assessment using typeâ€2 fuzzy system considering uncertainties in distribution system. IET Generation, Transmission and Distribution, 2017, 11, 1409-1419.	2.5	35
58	Prioritization of load points in distribution system considering multiple load types using fuzzy theory. , 2017, , .		5
59	Voltage Sag due to Pollution Induced Flashover Across Ceramic Insulator Strings. International Journal of Emerging Electric Power Systems, 2017, 18, .	0.8	0
60	Performance analysis of a novel hybrid boosting converter for renewable energy applications. , 2017, , .		0
61	A genetic algorithm tuned Kalman filter for estimating harmonic and inter-harmonic attributes. , 2017, , .		1
62	Congestion mitigation considering solar electric vehicle: A possible solution for today's electricity market. , 2017, , .		3
63	A Fuzzy based Crew Selection and Dispatch System for Distribution System Restoration after Natural Disasters. , 2017, , .		1
64	A Hybrid Method for Distribution Substation Reliability Evaluation. International Review of Electrical Engineering, 2017, 12, 142.	0.2	1
65	Estimation of Distribution System Reserve Capacity and Its Impact on System Reliability considering load growth. International Journal on Electrical Engineering and Informatics, 2017, 9, 659-676.	0.5	2
66	Profit maximization with integration of wind farm in contingency constraint deregulated power market using Moth Flame Optimization algorithm. , 2016, , .		4
67	An Active Power Spot Price based approach for congestion management by optimal allocation of tcsc in competitive power market. , 2016, , .		0
68	Moth Flame Optimization based optimal bidding strategy under transmission congestion in deregulated power market. , 2016, , .		6
69	System voltage and frequency control using DFIG based Wind Energy Conversion System. , 2016, , .		2
70	Recent developments of solar energy in India: Perspectives, strategies and future goals. Renewable and Sustainable Energy Reviews, 2016, 62, 215-235.	16.4	70
71	Power system harmonic estimation using biogeography hybridized recursive least square algorithm. International Journal of Electrical Power and Energy Systems, 2016, 83, 219-228.	5.5	30
72	Rescheduling of real power for congestion management with integration of pumped storage hydro unit using firefly algorithm. International Journal of Electrical Power and Energy Systems, 2016, 83, 434-442.	5.5	44

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73	Congestion management by generator real power rescheduling using flower pollination algorithm. , 2016, , .		11
74	Power transformer failure analysis using interval type-2 fuzzy set theory based fault tree analysis. , 2016, , .		4
75	Optimal Demand-Side Bidding Using Evolutionary Algorithm in Deregulated Environment. Advances in Intelligent Systems and Computing, 2016, , 461-473.	0.6	0
76	Robust estimation of power system harmonics using a hybrid firefly based recursive least square algorithm. International Journal of Electrical Power and Energy Systems, 2016, 80, 287-296.	5.5	38
77	Several variants of Kalman Filter algorithm for power system harmonic estimation. International Journal of Electrical Power and Energy Systems, 2016, 78, 793-800.	5.5	50
78	Real power rescheduling for congestion management with integration of wind farm using firefly algorithm. , 2015, , .		6
79	Voltage sag assessment of distribution system using Monte Carlo simulation. , 2015, , .		8
80	Generator rescheduling for congestion management using Firefly Algorithm. , 2015, , .		11
81	Variable Constraint based Least Mean Square algorithm for power system harmonic parameter estimation. International Journal of Electrical Power and Energy Systems, 2015, 73, 218-228.	5.5	15
82	Voltage Sag Mitigation Strategies for an Indian Power Systems: A Case Study. Journal of the Institution of Engineers (India): Series B, 2015, 96, 165-178.	1.9	3
83	Voltage sag mitigation in an Indian distribution system using dynamic voltage restorer. International Journal of Electrical Power and Energy Systems, 2015, 71, 231-241.	5.5	30
84	Congestion Management Considering Wind Energy Sources Using Evolutionary Algorithm. Electric Power Components and Systems, 2015, 43, 723-732.	1.8	29
85	Power system harmonic parameter estimation using Bilinear Recursive Least Square (BRLS) algorithm. International Journal of Electrical Power and Energy Systems, 2015, 67, 1-10.	5.5	26
86	Fast transverse-RLS algorithm based power system harmonic estimation. , 2014, , .		2
87	Rescheduling of real power for congestion management using Cuckoo Search Algorithm. , 2014, , .		5
88	Variable constrained based LMS algorithm for power system harmonic estimation. , 2014, , .		5
89	Cost-benefit analysis of voltage sag mitigation methods in cement plants. , 2014, , .		11
90	Harmonic parameter estimation of a power signal using FT-RLS algorithm. , 2014, , .		10

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91	Application of Volterra-series algorithm for power system harmonic estimation. , 2014, , .		1
92	Reliability assessment of single bus generation expansion planning. , 2013, , .		2
93	A novel load transfer scheme in an Indian urban area. , 2013, , .		0
94	Generator rescheduling for congestion management with incorporation of wind farm using Artificial Bee Colony algorithm. , 2013, , .		13
95	Reliability model for a distribution system incorporating snowfall as a severe weather event. , 2012, , .		3
96	Cost-benefit analysis of voltage sag mitigation methods in chemical industry. , 2012, , .		4
97	Voltage Sag Assessment in a Large Chemical Industry. IEEE Transactions on Industry Applications, 2012, 48, 1739-1746.	4.9	41
98	Mitigation of congestion by generator rescheduling using Particle Swarm Optimization. , 2012, , .		11
99	Congestion management by generator rescheduling using Artificial Bee Colony optimization Technique. , 2012, , .		19
100	Effect of equipment sensitivity on placement of facts devices for voltage sag mitigation. , 2011, , .		4
101	Minimization of voltage sag induced financial losses in distribution systems using FACTS devices. Electric Power Systems Research, 2011, 81, 767-774.	3.6	54
102	Placement of FACTS devices for minimisation of voltage sag induced financial losses in Indian distribution systems. International Journal of Technology, Policy and Management, 2010, 10, 316.	0.3	1
103	Minimization of Financial Losses due to Voltage Sag in an Indian Distribution System using D-STATCOM. International Journal of Emerging Electric Power Systems, 2009, 10, .	0.8	3
104	An analytical approach for assessment of voltage sags. International Journal of Electrical Power and Energy Systems, 2009, 31, 418-426.	5.5	37
105	Minimisation of financial losses due to voltage sag by reconfiguration of distribution network. International Journal of Agile Systems and Management, 2009, 4, 6.	0.3	4
106	Minimisation of voltage sags-induced financial losses in an Indian distribution system using a static VAR compensator. International Journal of Technology, Policy and Management, 2009, 9, 256.	0.3	2
107	The Method of Fault Position for Assessment of Voltage Sags in Distribution Systems. , 2008, , .		2
108	Assessment of Financial Losses due to Voltage Sags in an Indian Distribution System. , 2008, , .		10

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109	An analytical approach for stochastic assessment of voltage sags in distribution systems. , 2008, , .		3
110	Stochastic Estimation of Balanced and Unbalanced Voltage Sags in Large System. , 2008, , .		10
111	Averting Failure of Pre-Insertion Resistor in Circuit Breaker Through Preventive Maintenance. IETE Journal of Research, 0, , 1-10.	2.6	1