

# Sambeet Mishra

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

327  
citations

1040056

9  
h-index

940533

16  
g-index

33  
all docs

33  
docs citations

33  
times ranked

259  
citing authors

#	ARTICLE	IF	CITATIONS
1	A multi-agent system approach for optimal microgrid expansion planning under uncertainty. International Journal of Electrical Power and Energy Systems, 2019, 109, 696-709.	5.5	50
2	Design and simulation of a solar-wind-biogas hybrid system architecture using HOMER in India. International Journal of Ambient Energy, 2016, 37, 184-191.	2.5	47
3	Comparison of deep learning models for multivariate prediction of time series wind power generation and temperature. Energy Reports, 2020, 6, 273-286.	5.1	36
4	Application of an Advanced Repetitive Controller to Mitigate Harmonics in MMC With APOD Scheme. IEEE Transactions on Power Electronics, 2016, 31, 6112-6121.	7.9	35
5	New harmonic mitigation scheme for modular multilevel converter – an experimental approach. IET Power Electronics, 2014, 7, 3090-3100.	2.1	24
6	Smart Energy and power systems modelling: an IoT and Cyber-Physical Systems perspective, in the context of Energy Informatics. Procedia Computer Science, 2020, 176, 2254-2263.	2.0	19
7	Wind power variation identification using ramping behavior analysis. Energy Procedia, 2017, 141, 565-571.	1.8	13
8	Smart contract formation enabling energy-as-a-service in a virtual power plant. International Journal of Energy Research, 2022, 46, 3272-3294.	4.5	13
9	A multihorizon approach for the reliability oriented network restructuring problem, considering learning effects, construction time, and cables maintenance costs. Renewable Energy, 2021, 168, 878-895.	8.9	11
10	Optimized solutions for an optimization technique based on minority charge carrier inspired algorithm applied to selective harmonic elimination in induction motor drive. , 2012, , .		10
11	Modelling of wind energy-based microgrid system implementing MMC. International Journal of Energy Research, 2016, 40, 952-962.	4.5	10
12	Assessing demand side flexibility with renewable energy resources. , 2016, , .		9
13	Modelling of solar-wind hybrid renewable energy system architectures. , 2016, , .		6
14	Features extraction of wind ramp events from a virtual wind park. Energy Reports, 2020, 6, 237-249.	5.1	6
15	Educating the energy informatics specialist: opportunities and challenges in light of research and industrial trends. SN Applied Sciences, 2021, 3, 674.	2.9	5
16	Predictive analytics beyond time series: Predicting series of events extracted from time series data. Wind Energy, 2022, 25, 1596-1609.	4.2	5
17	A Review and Advance Technology in Multi-Area Automatic Generation Control by Using Minority Charge Carrier Inspired Algorithm. International Journal of Emerging Electric Power Systems, 2013, 14, 609-627.	0.8	4
18	Voltage Balancing Scheme in MMC – A New Approach. International Journal of Emerging Electric Power Systems, 2014, 15, 389-399.	0.8	3

#	ARTICLE	IF	CITATIONS
19	A user interface tool for ramping behavior analysis of renewable energy. , 2016, , .		3
20	Ramping Behaviour Analysis of Wind Farms. , 2018, , .		3
21	Resilient expansion planning of virtual power plant with an integrated energy system considering reliability criteria of lines and towers. International Journal of Energy Research, 0, , .	4.5	3
22	A study on the contact technology of nanomaterial and characterization of the ohmic contact layer in Cds-Al junction. , 2015, , .		2
23	Wind and Solar energy optimal integration. , 2019, , .		2
24	Numerical demonstration of a transactive energy trading model for microgrids. IET Renewable Power Generation, 2022, 16, 792-806.	3.1	2
25	A study on the choice and potential of biomass in the state of Odisha. , 2015, , .		1
26	A feasibility analysis of decentralized solar power using RETScreen in Odisha. , 2015, , .		1
27	Reliability framework for power network assessment. E3S Web of Conferences, 2019, 80, 02005.	0.5	1
28	Aggregator based coordinated Transactive Energy trading between Microgrids. , 2020, , .		1
29	The Role of Electrical Vehicles for Power Quality and Security during Outages in the Distribution Grid. , 2020, , .		1
30	VEDA - moVE DATA to balance the grid: research directions and recommendations for exploiting data centers flexibility within the power system. , 2021, , .		1
31	Virtual Power Plants and Integrated Energy System: Current Status and Future Prospects. , 2021, , 1-31.		0