

Dhivya Sampath Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

526
citations

1040056

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1281871

11
g-index

23
all docs

23
docs citations

23
times ranked

467
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of "invisible"™ energy storage on power system operations. Journal of Energy Storage, 2022, 45, 103626.	8.1	0
2	Ramp-rate limiting strategies to alleviate the impact of PV power ramping on voltage fluctuations using energy storage systems. Solar Energy, 2022, 234, 377-386.	6.1	16
3	Improvement of transient response in grid-tied photovoltaic systems using virtual inertia. IET Smart Grid, 2021, 4, 1-14.	2.2	3
4	Probabilistic risk and severity analysis of power systems with high penetration of photovoltaics. Solar Energy, 2021, 230, 1156-1164.	6.1	4
5	Review of power system impacts at high PV penetration Part II: Potential solutions and the way forward. Solar Energy, 2020, 210, 202-221.	6.1	50
6	Review of power system impacts at high PV penetration Part I: Factors limiting PV penetration. Solar Energy, 2020, 210, 181-201.	6.1	143
7	Impact analysis of large power networks with high share of renewables in transient conditions. IET Renewable Power Generation, 2020, 14, 1349-1358.	3.1	15
8	Solar irradiance resource and forecasting: a comprehensive review. IET Renewable Power Generation, 2020, 14, 1641-1656.	3.1	80
9	Enhancing the voltage stability of distribution network during PV ramping conditions with variable speed drive loads. Applied Energy, 2020, 264, 114733.	10.1	28
10	A Machine Learning Framework for Prediction Interval based Technique for Short-Term Solar Energy Forecast. , 2020, , .		0
11	Impacts of Distributed Generation with Energy Storage on the Power Grid- Economics and Costs. , 2019, , .		0
12	Stability implications of bulk power networks with large scale PVs. Energy, 2019, 187, 115927.	8.8	25
13	Strategic Energy Storage Allocation in Buildings with Rooftop PVs: A Singapore Case Study. , 2019, , .		0
14	Feasibility And Economic Analysis of Solar Energy Systems for Rural Area Applications. , 2018, , .		0
15	A Numerical Protection Strategy for Medium-Voltage Distribution Systems. , 2018, , .		6
16	Adaptive directional overcurrent relaying scheme for meshed distribution networks. IET Generation, Transmission and Distribution, 2018, 12, 3212-3220.	2.5	42
17	Maximizing DG penetration using optimal placement of shunt devices in distribution systems. , 2016, , .		3
18	A comparative analysis of centralized and decentralized multi-agent architecture for service restoration. , 2016, , .		14

#	ARTICLE	IF	CITATIONS
19	A novel hybrid method for planning and allocation of DGs in medium voltage networks considering voltage regulation and relay coordination. , 2016, , .		3
20	A Fast and Scalable Protection Scheme for Distribution Networks With Distributed Generation. IEEE Transactions on Power Delivery, 2016, 31, 67-75.	4.3	77
21	An adaptive fuzzy based relay for protection of distribution networks. , 2015, , .		4
22	Optimal distributed generation allocation using evolutionary algorithms in meshed network. , 2015, , .		9
23	Optimal power scheduling of distributed resources in Smart Grid. , 2013, , .		4