

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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h-index

1281871

11
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23
all docs

23
docs citations

23
times ranked

467
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Review of power system impacts at high PV penetration Part I: Factors limiting PV penetration. Solar Energy, 2020, 210, 181-201. | 6.1 | 143 |
| 2 | Solar irradiance resource and forecasting: a comprehensive review. IET Renewable Power Generation, 2020, 14, 1641-1656. | 3.1 | 80 |
| 3 | A Fast and Scalable Protection Scheme for Distribution Networks With Distributed Generation. IEEE Transactions on Power Delivery, 2016, 31, 67-75. | 4.3 | 77 |
| 4 | 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 |
| 5 | Adaptive directional overcurrent relaying scheme for meshed distribution networks. IET Generation, Transmission and Distribution, 2018, 12, 3212-3220. | 2.5 | 42 |
| 6 | Enhancing the voltage stability of distribution network during PV ramping conditions with variable speed drive loads. Applied Energy, 2020, 264, 114733. | 10.1 | 28 |
| 7 | Stability implications of bulk power networks with large scale PVs. Energy, 2019, 187, 115927. | 8.8 | 25 |
| 8 | 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 |
| 9 | 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 |
| 10 | A comparative analysis of centralized and decentralized multi-agent architecture for service restoration. , 2016, , . | | 14 |
| 11 | Optimal distributed generation allocation using evolutionary algorithms in meshed network. , 2015, , . | | 9 |
| 12 | A Numerical Protection Strategy for Medium-Voltage Distribution Systems. , 2018, , . | | 6 |
| 13 | Optimal power scheduling of distributed resources in Smart Grid. , 2013, , . | | 4 |
| 14 | An adaptive fuzzy based relay for protection of distribution networks. , 2015, , . | | 4 |
| 15 | Probabilistic risk and severity analysis of power systems with high penetration of photovoltaics. Solar Energy, 2021, 230, 1156-1164. | 6.1 | 4 |
| 16 | Maximizing DG penetration using optimal placement of shunt devices in distribution systems. , 2016, , . | | 3 |
| 17 | A novel hybrid method for planning and allocation of DGs in medium voltage networks considering voltage regulation and relay coordination. , 2016, , . | | 3 |
| 18 | Improvement of transient response in grid-tied photovoltaic systems using virtual inertia. IET Smart Grid, 2021, 4, 1-14. | 2.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Feasibility And Economic Analysis of Solar Energy Systems for Rural Area Applications. , 2018, , . | | 0 |
| 20 | Impacts of Distributed Generation with Energy Storage on the Power Grid- Economics and Costs. , 2019, , . | | 0 |
| 21 | Strategic Energy Storage Allocation in Buildings with Rooftop PVs: A Singapore Case Study. , 2019, , . | | 0 |
| 22 | A Machine Learning Framework for Prediction Interval based Technique for Short-Term Solar Energy Forecast. , 2020, , . | | 0 |
| 23 | Effects of "invisible"™ energy storage on power system operations. Journal of Energy Storage, 2022, 45, 103626. | 8.1 | 0 |