Amritanshu Pandey

List of Publications by Year
in descending order

28 papers	248 citations	1478505 6 h-index	1474206 9 g-index
28 all docs	28 docs citations	28 times ranked	127 citing authors

#	Article	IF	Citations
1	Robust Power Flow and Three-Phase Power Flow Analyses. IEEE Transactions on Power Systems, 2019, 34, 616-626.	6.5	65
2	PowerCast: Mining and Forecasting Power Grid Sequences. Lecture Notes in Computer Science, 2017, , 606-621.	1.3	25
3	An equivalent circuit formulation for three-phase power flow analysis of distribution systems. , 2016, , .		17
4	Equivalent Circuit Formulation for Solving AC Optimal Power Flow. IEEE Transactions on Power Systems, 2019, 34, 2354-2365.	6.5	16
5	Evaluating Feasibility Within Power Flow. IEEE Transactions on Smart Grid, 2020, 11, 3522-3534.	9.0	13
6	Linear load model for robust power system analysis. , 2017, , .		12
7	Robust Convergence of Power Flow Using TX Stepping Method with Equivalent Circuit Formulation. , 2018, , .		12
8	Unified power system analyses and models using equivalent circuit formulation. , 2016, , .		11
9	Improving power flow robustness via circuit simulation methods. , 2017, , .		10
10	StreamCast: Fast and Online Mining of Power Grid Time Sequences. , 2018, , 531-539.		9
11	Steady-State Simulation for Combined Transmission and Distribution Systems. IEEE Transactions on Smart Grid, 2020, 11, 1124-1135.	9.0	9
12	Aggregated load and generation equivalent circuit models with semi-empirical data fitting. , 2016, , .		8
13	Practical Adoption of Cloud Computing in Power Systemsâ€"Drivers, Challenges, Guidance, and Real-World Use Cases. IEEE Transactions on Smart Grid, 2022, 13, 2390-2411.	9.0	8
14	Steady-state analysis of power system harmonics using equivalent split-circuit models. , 2016, , .		6
15	A WLAV-based Robust Hybrid State Estimation using Circuit-theoretic Approach. , 2021, , .		6
16	GridWatch: Sensor Placement and Anomaly Detection in the Electrical Grid. Lecture Notes in Computer Science, 2019, , 71-86.	1.3	4
17	Robust and Efficient Power Flow Convergence with G-min Stepping Homotopy Method. , 2019, , .		3
18	A Probabilistic Approach to Power System State Estimation using a Linear Algorithm. , 2019, , .		3

#	Article	IF	Citations
19	Impact of Load Models on Power Flow Optimization. , 2019, , .		3
20	ChangeDAR. , 2018, , .		2
21	Two-stage homotopy method to incorporate discrete control variables into AC-OPF. Electric Power Systems Research, 2022, 212, 108283.	3.6	2
22	Robust Sequential Steady-State Analysis of Cascading Outages. , 2019, , .		1
23	Implicitly Modeling Frequency Control within Power Flow. , 2019, , .		1
24	Robust event-driven dynamic simulation using power flow. Electric Power Systems Research, 2020, 189, 106752.	3.6	1
25	A Circuit-Theoretic Approach to State Estimation. , 2020, , .		1
26	Improving Voltage Profile of the Nigerian Power Grid. , 2019, , .		0
27	Fast AC Steady-State Power Grid Simulation and Optimization Using Prior Knowledge. , 2021, , .		0
28	Analytical Inverter-Based Distributed Generator Model for Power Flow Analysis. , 2021, , .		0