

Bai Cui

List of Publications by Year in descending order

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17
papers

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1040056

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218
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Voltage Stability-Constrained Optimal Power-Flow Model: Sufficient Condition, SOCP Representation, and Relaxation. IEEE Transactions on Power Systems, 2018, 33, 5092-5102.	6.5	49
2	A Necessary Condition for Power Flow Insolvability in Power Distribution Systems With Distributed Generators. IEEE Transactions on Power Systems, 2017, 32, 1440-1450.	6.5	38
3	SDP-Based Optimal Power Flow With Steady-State Voltage Stability Constraints. IEEE Transactions on Smart Grid, 2019, 10, 4637-4647.	9.0	27
4	Voltage stability assessment based on improved coupled single-port method. IET Generation, Transmission and Distribution, 2017, 11, 2703-2711.	2.5	23
5	Investigation of vibration impacts on HVAC transformer from HVDC system under monopole operation. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 1386-1392.	2.9	17
6	Network-Cognizant Time-Coupled Aggregate Flexibility of Distribution Systems Under Uncertainties. , 2021, 5, 1723-1728.		15
7	Analysis of Solvability Boundary for Droop-Controlled Microgrids. IEEE Transactions on Power Systems, 2018, 33, 5799-5802.	6.5	14
8	Switching Device-Cognizant Sequential Distribution System Restoration. IEEE Transactions on Power Systems, 2022, 37, 317-329.	6.5	14
9	Command authentication via faster than real time simulation. , 2016, , .		12
10	Parameter Reduction of Composite Load Model Using Active Subspace Method. IEEE Transactions on Power Systems, 2021, 36, 5441-5452.	6.5	10
11	Optimal Voltage Reference for Droop-Based DERs in Distribution Systems. IEEE Transactions on Smart Grid, 2020, 11, 2357-2366.	9.0	9
12	Optimal Power Flow in DC Networks With Robust Feasibility and Stability Guarantees. IEEE Transactions on Control of Network Systems, 2022, 9, 904-916.	3.7	4
13	DC Microgrids Under Denial of Service Attacks: Feasibility and Stability Issues. , 2020, , .		2
14	Network-Cognizant Time-Coupled Aggregate Flexibility of Distribution Systems Under Uncertainties. , 2021, , .		2
15	High-fidelity large-signal order reduction approach for composite load model. IET Generation, Transmission and Distribution, 2020, 14, 4888-4897.	2.5	2
16	Efficient Region of Attraction Characterization for Control and Stabilization of Load Tap Changer Dynamics. IEEE Transactions on Control of Network Systems, 2022, 9, 1506-1517.	3.7	2
17	Certification and prediction of post-disturbance states in dynamic security assessment. Electric Power Systems Research, 2020, 189, 106751.	3.6	0