Bo Chen

List of Publications by Year
in descending order

55 papers	1,942 citations	331670 21 h-index	434195 31 g-index
55 all docs	55 docs citations	55 times ranked	1388 citing authors

#	Article	IF	Citations
1	Sequential Service Restoration for Unbalanced Distribution Systems and Microgrids. IEEE Transactions on Power Systems, 2018, 33, 1507-1520.	6.5	227
2	Multi-Time Step Service Restoration for Advanced Distribution Systems and Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 6793-6805.	9.0	168
3	Networked Microgrids for Grid Resilience, Robustness, and Efficiency: A Review. IEEE Transactions on Smart Grid, 2021, 12, 18-32.	9.0	150
4	Multiperiod Distribution System Restoration With Routing Repair Crews, Mobile Electric Vehicles, and Soft-Open-Point Networked Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 4795-4808.	9.0	136
5	Detecting False Data Injection Attacks in Smart Grids: A Semi-Supervised Deep Learning Approach. IEEE Transactions on Smart Grid, 2021, 12, 623-634.	9.0	123
6	A Coordinated Multi-Switch Attack for Cascading Failures in Smart Grid. IEEE Transactions on Smart Grid, 2014, 5, 1183-1195.	9.0	94
7	A Combined Repair Crew Dispatch Problem for Resilient Electric and Natural Gas System Considering Reconfiguration and DG Islanding. IEEE Transactions on Power Systems, 2019, 34, 2755-2767.	6.5	90
8	Toward a MILP Modeling Framework for Distribution System Restoration. IEEE Transactions on Power Systems, 2019, 34, 1749-1760.	6.5	88
9	Toward a Synthetic Model for Distribution System Restoration and Crew Dispatch. IEEE Transactions on Power Systems, 2019, 34, 2228-2239.	6.5	67
10	Resilient Service Restoration for Unbalanced Distribution Systems With Distributed Energy Resources by Leveraging Mobile Generators. IEEE Transactions on Industrial Informatics, 2021, 17, 1386-1396.	11.3	64
11	Implementing attacks for modbus/TCP protocol in a real-time cyber physical system test bed. , 2015, , .		61
12	Impact of cyber attacks on transient stability of smart grids with voltage support devices. , 2013, , .		54
13	Implementing a real-time cyber-physical system test bed in RTDS and OPNET. , 2014, , .		53
14	Power System Resilience Enhancement in Typhoons Using a Three-Stage Day-Ahead Unit Commitment. IEEE Transactions on Smart Grid, 2021, 12, 2153-2164.	9.0	49
15	Flexible Machine Learning-Based Cyberattack Detection Using Spatiotemporal Patterns for Distribution Systems. IEEE Transactions on Smart Grid, 2020, 11, 1805-1808.	9.0	48
16	A Review of Cyberâ€“Physical Security for Photovoltaic Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 4879-4901.	5.4	47
17	Dynamic Modeling of Sequential Service Restoration in Islanded Single Master Microgrids. IEEE Transactions on Power Systems, 2020, 35, 202-214.	6.5	31
18	Optimal Transactive Energy Trading of Electric Vehicle Charging Stations With On-Site PV Generation in Constrained Power Distribution Networks. IEEE Transactions on Smart Grid, 2022, 13, 1427-1440.	9.0	31

#	Article	IF	Citations
19	A Stochastic Multi-Commodity Logistic Model for Disaster Preparation in Distribution Systems. IEEE Transactions on Smart Grid, 2020, 11, 565-576.	9.0	30
20	Utilising demand response for distribution service restoration to achieve grid resiliency against natural disasters. IET Generation, Transmission and Distribution, 2019, 13, 2942-2950.	2.5	29
21	Security and Reliability Perspectives in Cyber-Physical Smart Grids. , 2018, , .		25
22	Cybersecurity of Wide Area Monitoring, Protection, and Control Systems for HVDC Applications. IEEE Transactions on Power Systems, 2021, 36, 592-602.	6.5	25
23	Dynamic Microgrids in Resilient Distribution Systems With Reconfigurable Cyber-Physical Networks. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5192-5205.	5.4	24
24	A Flexible Operation of Distributed Generation in Distribution Networks With Dynamic Boundaries. IEEE Transactions on Power Systems, 2020, 35, 4127-4130.	6.5	24
25	Improving Grid Resilience Using High-Voltage dc: Strengthening the Security of Power System Stability. IEEE Power and Energy Magazine, 2019, 17, 38-47.	1.6	23
26	Electric power grid resilience with interdependencies between power and communication networks â€“ a review. IET Smart Grid, 2020, 3, 182-193.	2.2	21
27	Steady-State Analysis of Microgrid Distributed Control Under Denial of Service Attacks. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5311-5325.	5.4	19
28	Impact analysis of transient stability due to cyber attack on FACTS devices. , 2013, , .		18
29	Network delay caused by cyber attacks on SVC and its impact on transient stability of smart grids. , 2014, , .		13
30	Design and control of a ultracapacitor boosted hybrid fuel cell vehicle. , 2009, , .		12
31	Region-based Stability Analysis of Resilient Distribution Systems with Hybrid Grid-forming and Grid-following Inverters. , 2020, , .		10
32	Coupled Cyber and Physical Systems: Embracing Smart Cities with Multistream Data Flow. IEEE Electrification Magazine, 2018, 6, 73-83.	1.8	9
33	Risk assessmentâ€based longâ€term transmission system hardening under prior probabilistic information. IET Generation, Transmission and Distribution, 2019, 13, 108-115.	2.5	9
34	Cyberâ€“physical perspective on smart grid design and operation. IET Cyber-Physical Systems: Theory and Applications, 2018, 3, 129-141.	3.3	8
35	Practical Challenges in Real-Time Demand Response. IEEE Transactions on Smart Grid, 2021, 12, 4573-4576.	9.0	8
36	Resiliency Augmented Hybrid AC and DC Distribution Systems With Inverter-Dominated Dynamic Microgrids. IEEE Transactions on Smart Grid, 2022, 13, 4088-4101.	9.0	7

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37	Towards Optimal and Executable Distribution Grid Restoration Planning With a Fine-Grained Power-Communication Interdependency Model. IEEE Transactions on Smart Grid, 2022, 13, 1911-1922.	9.0	7
38	Sequential service restoration in distribution systems and microgrids integrating frequency response and varying switching interval. , 2018, , .		6
39	Feasible Dispatch Limits of PV Generation With Uncertain Interconnection of EVs in the Unbalanced Distribution Network. IEEE Transactions on Vehicular Technology, 2022, 71, 2267-2280.	6.3	6
40	Cyber-Resilience Enhancement of PMU Networks Using Software-Defined Networking. , 2020, , .		6
41	Cyber Attack Detection for WAMPAC-based HVDC Applications. , 2020, , .		5
42	Implementation of wide area control in a real-time cyber-physical power system test bed. , 2017, , .		4
43	Enhancing the distribution grid resilience using cyberâ€physical oriented islanding strategy. IET Generation, Transmission and Distribution, 2020, 14, 2026-2033.	2.5	3
44	Distributed Average Observation in Inverter Dominated Dynamic Microgrids. , 2020, , .		3
45	Reconfigurable and Dynamic Distribution Systems Enabled Using Self-Sustainable Minimal-Microgrids with Region Based Stability Guarantees. , 2019, , .		2
46	DC Microgrids Under Denial of Service Attacks: Feasibility and Stability Issues. , 2020, , .		2
47	Progressive switching attacks for instigating cascading failures in smart grid. , 2013, , .		1
48	Active and Reactive Power Sharing in Inverter Based Droop-Controlled Microgrids. , 2019, , .		1
49	Leader Selection in Robust Pinning-based Distributed Control for Islanded Microgrids. , 2019, , .		1
50	Modernizing Distribution System Restoration to Achieve Resiliency Against Extreme Weather Events. , 2018, , .		0
51	A Value-of-Service based Model for Resilient Distribution System Restoration with Microgrids. , 2019, , .		0
52	Dynamic Simulation of Distribution Systems and Microgrids for Reconfiguration Studies using PSCAD/EMTDC. , 2019, , .		0
53	Grid Transient Stability Improvement with Increased PV Availability: A PV Inverter Reliability Enhancement Approach. , 2021, , .		0
54	Toward a MILP Modeling Framework for Distribution System Restoration. , 2020, , .		0

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55	Region-based Stability Analysis on DC MGs with Consensus-Based Secondary Control and Communication Delay. , 2021, , .		0