

Qianwen Xu

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Intelligent Nonlinear Controller for Dual Active Bridge Converter With Constant Power Loads. IEEE Transactions on Industrial Electronics, 2023, 70, 2887-2896.	5.2	17
2	Physics-Informed Neural Network Based Online Impedance Identification of Voltage Source Converters. IEEE Transactions on Industrial Electronics, 2023, 70, 3717-3728.	5.2	9
3	Adaptive Resilient Secondary Control for Microgrids With Communication Faults. IEEE Transactions on Cybernetics, 2022, 52, 8493-8503.	6.2	23
4	EfficientFi: Toward Large-Scale Lightweight WiFi Sensing via CSI Compression. IEEE Internet of Things Journal, 2022, 9, 13086-13095.	5.5	24
5	Decentralized Coordination and Stabilization of Hybrid Energy Storage Systems in DC Microgrids. IEEE Transactions on Smart Grid, 2022, 13, 1751-1761.	6.2	34
6	Adaptive Resilient Secondary Control for Islanded AC Microgrids With Sensor Faults. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5239-5248.	3.7	28
7	Review on Advanced Control Technologies for Bidirectional DC/DC Converters in DC Microgrids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1205-1221.	3.7	189
8	A Hierarchically Coordinated Operation and Control Scheme for DC Microgrid Clusters Under Uncertainty. IEEE Transactions on Sustainable Energy, 2021, 12, 273-283.	5.9	29
9	A Composite Finite-Time Controller for Decentralized Power Sharing and Stabilization of Hybrid Fuel Cell/Supercapacitor System With Constant Power Load. IEEE Transactions on Industrial Electronics, 2021, 68, 1388-1400.	5.2	20
10	Overview of stability analysis methods in power electronics. , 2021, , 169-197.		0
11	Erratum to "A Hierarchically Coordinated Operation and Control Scheme for DC Microgrid Clusters Under Uncertainty" [Jan 21 273-283]. IEEE Transactions on Sustainable Energy, 2021, 12, 1497-1497.	5.9	0
12	Distributed Secondary Control for DC Microgrid With Event-Triggered Signal Transmissions. IEEE Transactions on Sustainable Energy, 2021, 12, 1801-1810.	5.9	47
13	Resilience for Communication Faults in Reactive Power Sharing of Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 2788-2799.	6.2	13
14	Artificial Intelligence-Based Control Design for Reliable Virtual Synchronous Generators. IEEE Transactions on Power Electronics, 2021, 36, 9453-9464.	5.4	34
15	Resilient Control and Analysis for DC Microgrid System Under DoS and Impulsive FDI Attacks. IEEE Transactions on Smart Grid, 2021, 12, 3742-3754.	6.2	76
16	Data-Driven Modeling of Power-Electronics-Based Power System Considering the Operating Point Variation. , 2021, , .		2
17	An Offset-Free Composite Model Predictive Control Strategy for DC/DC Buck Converter Feeding Constant Power Loads. IEEE Transactions on Power Electronics, 2020, 35, 5331-5342.	5.4	101
18	Backstepping Control for Large Signal Stability of High Boost Ratio Interleaved Converter Interfaced DC Microgrids With Constant Power Loads. IEEE Transactions on Power Electronics, 2020, 35, 5397-5407.	5.4	70

#	ARTICLE	IF	CITATIONS
19	Distributed Voltage Restoration and Current Sharing Control in Islanded DC Microgrid Systems Without Continuous Communication. IEEE Transactions on Industrial Electronics, 2020, 67, 3043-3053.	5.2	110
20	A Robust Droop-Based Autonomous Controller for Decentralized Power Sharing in DC Microgrid Considering Large-Signal Stability. IEEE Transactions on Industrial Informatics, 2020, 16, 1483-1494.	7.2	33
21	A Distributed and Robust Energy Management System for Networked Hybrid AC/DC Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 3496-3508.	6.2	55
22	Robust Event-Triggered Dynamic Average Consensus Against Communication Link Failures With Application to Battery Control. IEEE Transactions on Control of Network Systems, 2020, 7, 1559-1570.	2.4	19
23	Distributed Finite-time Power Management for Hybrid Energy Storage Systems in DC microgrids. , 2020, , .		0
24	Completely Decentralized Energy Management System with High Reliability for the Fuel Cell-Ultracapacitor Auxiliary Power Unit. , 2020, , .		0
25	Systematic Reliability Modeling and Evaluation for On-Board Power Systems of More Electric Aircrafts. IEEE Transactions on Power Systems, 2019, 34, 3264-3273.	4.6	22
26	Decentralized Communication-free Secondary Voltage Restoration and Current Sharing Control for Islanded DC Microgrids. , 2019, , .		3
27	An Offset-free Model Predictive Controller for DC/DC Boost Converter Feeding Constant Power Loads in DC Microgrids. , 2019, , .		5
28	Finite-time Stabilization of Constant Power Loads in DC Microgrids. , 2019, , .		4
29	Conceptual Systematic Stability Analysis of Power Electronics based Power Systems. , 2019, , .		4
30	A Novel Composite Nonlinear Controller for Stabilization of Constant Power Load in DC Microgrid. IEEE Transactions on Smart Grid, 2019, 10, 752-761.	6.2	239
31	Distributed Secondary Control for Power Allocation and Voltage Restoration in Islanded DC Microgrids. IEEE Transactions on Sustainable Energy, 2018, 9, 1857-1869.	5.9	170
32	Time-Delay Stability Analysis for Hybrid Energy Storage System With Hierarchical Control in DC Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 6633-6645.	6.2	62
33	Hybrid-Modulation-Based Bidirectional Electrolytic Capacitor-Less Three-Phase Inverter for Fuel Cell Vehicles: Analysis, Design, and Experimental Results. IEEE Transactions on Power Electronics, 2018, 33, 4167-4180.	5.4	23
34	Distributed Energy Management for Hybrid AC/DC Microgrid Parks. , 2018, , .		3
35	Distributed Hybrid Secondary Control for a DC Microgrid via Discrete-Time Interaction. IEEE Transactions on Energy Conversion, 2018, 33, 1865-1875.	3.7	64
36	A Module-Based Approach for Stability Analysis of Complex More-Electric Aircraft Power System. IEEE Transactions on Transportation Electrification, 2017, 3, 901-919.	5.3	27

#	ARTICLE	IF	CITATIONS
37	A Decentralized Control Strategy for Economic Operation of Autonomous AC, DC, and Hybrid AC/DC Microgrids. IEEE Transactions on Energy Conversion, 2017, 32, 1345-1355.	3.7	87
38	A Decentralized Power Management Strategy for Hybrid Energy Storage System With Autonomous Bus Voltage Restoration and State-of-Charge Recovery. IEEE Transactions on Industrial Electronics, 2017, 64, 7098-7108.	5.2	143
39	A Decentralized Control Strategy for Autonomous Transient Power Sharing and State-of-Charge Recovery in Hybrid Energy Storage Systems. IEEE Transactions on Sustainable Energy, 2017, 8, 1443-1452.	5.9	80
40	A novel adaptive backstepping controller for stabilization of DC/DC converter feeding constant power load. , 2017, , .		4
41	Design and implementation of communication network and system management for hybrid AC/DC microgrid module. , 2017, , .		0
42	Decentralized control of DC microgrid clusters. , 2017, , .		16
43	PoF based reliability prediction for cascaded H-bridge converter in drive application. , 2017, , .		1
44	Analytical averaged loss model of half-bridge Modular Multilevel Converters. , 2017, , .		1
45	Decentralized control of two DC microgrids interconnected with tie-line. Journal of Modern Power Systems and Clean Energy, 2017, 5, 599-608.	3.3	16
46	An integral-droop based dynamic power sharing control for hybrid energy storage system in DC microgrid. , 2017, , .		9
47	A Decentralized Dynamic Power Sharing Strategy for Hybrid Energy Storage System in Autonomous DC Microgrid. IEEE Transactions on Industrial Electronics, 2017, 64, 5930-5941.	5.2	245
48	Optimal operation of battery swapping-charging systems considering quality-of-service constraints. , 2017, , .		3
49	Investigation of the future MEA power system architecture-from the perspective of system stability. , 2016, , .		3
50	Improved virtual capacitive droop control for hybridization of energy storages in DC microgrid. , 2016, , .		1
51	A decentralized control strategy for economic operation of autonomous AC microgrids. , 2016, , .		1
52	Distributed coordination for economical operation of power park with multiple microgrids. , 2016, , .		2
53	Design and stability analysis for an autonomous DC microgrid with constant power load. , 2016, , .		16
54	Multi-Level Energy Management System for Real-Time Scheduling of DC Microgrids With Multiple Slack Terminals. IEEE Transactions on Energy Conversion, 2016, 31, 392-400.	3.7	85

#	ARTICLE	IF	CITATIONS
55	Modeling and stability analysis of hybrid energy storage system under hierarchical control. , 2015, , .		5