

Cheng-Shan Wang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7792805/cheng-shan-wang-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

155 papers	3,578 citations	34 h-index	55 g-index
183 ext. papers	4,938 ext. citations	6.1 avg, IF	5.94 L-index

#	Paper	IF	Citations
155	Decentralized Sliding Mode Load Frequency Control for Multi-Area Power Systems. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 4301-4309	7	165
154	Coordinated Control Method of Voltage and Reactive Power for Active Distribution Networks Based on Soft Open Point. <i>IEEE Transactions on Sustainable Energy</i> , 2017 , 8, 1430-1442	8.2	146
153	Distribution Locational Marginal Pricing (DLMP) for Congestion Management and Voltage Support. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 4061-4073	7	143
152	Benefits analysis of Soft Open Points for electrical distribution network operation. <i>Applied Energy</i> , 2016 , 165, 36-47	10.7	138
151	A Nonlinear-Disturbance-Observer-Based DC-Bus Voltage Control for a Hybrid AC/DC Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 6162-6177	7.2	129
150	Sizing of Energy Storage and Diesel Generators in an Isolated Microgrid Using Discrete Fourier Transform (DFT). <i>IEEE Transactions on Sustainable Energy</i> , 2014 , 5, 907-916	8.2	128
149	A Demand Response and Battery Storage Coordination Algorithm for Providing Microgrid Tie-Line Smoothing Services. <i>IEEE Transactions on Sustainable Energy</i> , 2014 , 5, 476-486	8.2	122
148	Operating principle of Soft Open Points for electrical distribution network operation. <i>Applied Energy</i> , 2016 , 164, 245-257	10.7	105
147	Multi-objective stochastic optimal planning method for stand-alone microgrid system. <i>IET Generation, Transmission and Distribution</i> , 2014 , 8, 1263-1273	2.5	91
146	Stability Analysis and Damping Enhancement Based on Frequency-Dependent Virtual Impedance for DC Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2017 , 5, 338-350	5.6	82
145	Energy management system for stand-alone diesel-wind-biomass microgrid with energy storage system. <i>Energy</i> , 2016 , 97, 90-104	7.9	80
144	Robust Operation of Soft Open Points in Active Distribution Networks With High Penetration of Photovoltaic Integration. <i>IEEE Transactions on Sustainable Energy</i> , 2019 , 10, 280-289	8.2	78
143	. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 5547-5561	7.2	77
142	Frequency Control of an Isolated Micro-Grid Using Double Sliding Mode Controllers and Disturbance Observer. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 923-930	10.7	69
141	Optimal Operation of Soft Open Points in Active Distribution Networks Under Three-Phase Unbalanced Conditions. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 380-391	10.7	67
140	A Highly Integrated and Reconfigurable Microgrid Testbed with Hybrid Distributed Energy Sources. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 451-459	10.7	63
139	Observer-Based DC Voltage Droop and Current Feed-Forward Control of a DC Microgrid. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 5207-5216	10.7	59

138	Network Partition and Voltage Coordination Control for Distribution Networks With High Penetration of Distributed PV Units. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 3396-3407	7	58
137	A Unified Control for the DC/AC Interlinking Converters in Hybrid AC/DC Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 6540-6553	10.7	56
136	Performance evaluation of controlling thermostatically controlled appliances as virtual generators using comfort-constrained state-queueing models. <i>IET Generation, Transmission and Distribution</i> , 2014 , 8, 591-599	2.5	55
135	Inverse Power Factor Droop Control for Decentralized Power Sharing in Series-Connected-Microconverters-Based Islanding Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 7444-7454	8.9	51
134	Flexible Interlinking and Coordinated Power Control of Multiple DC Microgrids Clusters. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 904-915	8.2	48
133	. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 773-783	5.4	47
132	Combined decentralized and local voltage control strategy of soft open points in active distribution networks. <i>Applied Energy</i> , 2019 , 241, 613-624	10.7	44
131	A centralized-based method to determine the local voltage control strategies of distributed generator operation in active distribution networks. <i>Applied Energy</i> , 2018 , 228, 2024-2036	10.7	44
130	Impacts of Cyber System on Microgrid Operational Reliability. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 105-115	10.7	42
129	Simultaneous Microgrid Voltage and Current Harmonics Compensation Using Coordinated Control of Dual-Interfacing Converters. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2647-2660	7.2	37
128	Day-ahead optimal scheduling method for grid-connected microgrid based on energy storage control strategy. <i>Journal of Modern Power Systems and Clean Energy</i> , 2016 , 4, 648-658	4	37
127	Coordinated Optimal Design of Inverter Controllers in a Micro-Grid With Multiple Distributed Generation Units. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 2679-2687	7	37
126	Quantified analysis method for operational flexibility of active distribution networks with high penetration of distributed generators. <i>Applied Energy</i> , 2019 , 239, 706-714	10.7	36
125	Hybrid Microgrid With Parallel- and Series-Connected Microconverters. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4817-4831	7.2	35
124	Hierarchical Control of Multiterminal DC Grids for Large-Scale Renewable Energy Integration. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 1448-1457	8.2	34
123	Improved Deep Belief Network for Short-Term Load Forecasting Considering Demand-Side Management. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 1531-1538	7	34
122	Optimal planning of stand-alone microgrids incorporating reliability. <i>Journal of Modern Power Systems and Clean Energy</i> , 2014 , 2, 195-205	4	33
121	Intelligent Power Sharing of DC Isolated Microgrid Based on Fuzzy Sliding Mode Droop Control. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 2396-2406	10.7	33

- | | | | |
|-----|---|------|----|
| 120 | Fuzzy logic based coordinated control of battery energy storage system and dispatchable distributed generation for microgrid. <i>Journal of Modern Power Systems and Clean Energy</i> , 2015 , 3, 422-428 | 4 | 32 |
| 119 | A seamless operation mode transition control strategy for a microgrid based on master-slave control. <i>Science China Technological Sciences</i> , 2012 , 55, 1644-1654 | 3.5 | 32 |
| 118 | A Simple Decentralized Islanding Microgrid Power Sharing Method Without Using Droop Control. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 6128-6139 | 10.7 | 29 |
| 117 | A 5-kW Isolated High Voltage Conversion Ratio Bidirectional CLTC Resonant DC/DC Converter With Wide Gain Range and High Efficiency. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 340-355 | 7.2 | 29 |
| 116 | A Projective Integration Method for Transient Stability Assessment of Power Systems With a High Penetration of Distributed Generation. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 386-395 | 10.7 | 27 |
| 115 | Enhanced Dynamic Stability Control for Low-Inertia Hybrid AC/DC Microgrid With Distributed Energy Storage Systems. <i>IEEE Access</i> , 2019 , 7, 91234-91242 | 3.5 | 27 |
| 114 | Energy Management System for Stand-Alone Wind-Powered-Desalination Microgrid. <i>IEEE Transactions on Smart Grid</i> , 2014 , 1-1 | 10.7 | 27 |
| 113 | A Voltage-Behind-Reactance Induction Machine Model for the EMTP-Type Solution. <i>IEEE Transactions on Power Systems</i> , 2008 , 23, 1226-1238 | 7 | 26 |
| 112 | Deadbeat Weighted Average Current Control With Corrective Feed-Forward Compensation for Microgrid Converters With Nonstandard LCL Filter. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2661-2674 | 7.3 | 25 |
| 111 | Congestion Management Method of Low-Voltage Active Distribution Networks Based on Distribution Locational Marginal Price. <i>IEEE Access</i> , 2019 , 7, 32240-32255 | 3.5 | 22 |
| 110 | A Coupled Virtual Impedance for Parallel AC/DC Converter Based Power Electronics System. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3387-3400 | 10.7 | 21 |
| 109 | The SVC Additional Adaptive Voltage Controller of Isolated Wind-Diesel Power System Based on Double Sliding-Mode Optimal Strategy. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 24-34 | 8.2 | 20 |
| 108 | Fault Incidence Matrix Based Reliability Evaluation Method for Complex Distribution System. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 6736-6745 | 7 | 20 |
| 107 | MPC-Based Local Voltage Control Strategy of DGs in Active Distribution Networks. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 2911-2921 | 8.2 | 19 |
| 106 | Self-healing oriented supply restoration method based on the coordination of multiple SOPs in active distribution networks. <i>Energy</i> , 2020 , 195, 116968 | 7.9 | 19 |
| 105 | Optimal placement of PMUs and communication links for distributed state estimation in distribution networks. <i>Applied Energy</i> , 2019 , 256, 113963 | 10.7 | 19 |
| 104 | Optimal design of battery energy storage system for a wind-diesel off-grid power system in a remote Canadian community. <i>IET Generation, Transmission and Distribution</i> , 2016 , 10, 608-616 | 2.5 | 18 |
| 103 | An islanding partition method of active distribution networks based on chance-constrained programming. <i>Applied Energy</i> , 2019 , 242, 78-91 | 10.7 | 17 |

102	Augmented Sensitivity Estimation Based Voltage Control Strategy of Active Distribution Networks With PMU Measurement. <i>IEEE Access</i> , 2019 , 1-1	3.5	17
101	Model and Topological Characteristics of Power Distribution System Security Region. <i>Journal of Applied Mathematics</i> , 2014 , 2014, 1-13	1.1	17
100	SVM Strategies for Simultaneous Common-Mode Voltage Reduction and DC Current Balancing in Parallel Current Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 8859-8871	7.2	15
99	PMU-Based Estimation of Voltage-to-Power Sensitivity for Distribution Networks Considering the Sparsity of Jacobian Matrix. <i>IEEE Access</i> , 2018 , 6, 31307-31316	3.5	15
98	Operation of Stand-Alone Microgrids Considering the Load Following of Biomass Power Plants and the Power Curtailment Control Optimization of Wind Turbines. <i>IEEE Access</i> , 2019 , 7, 186115-186125	3.5	15
97	Model order reduction for transient simulation of active distribution networks. <i>IET Generation, Transmission and Distribution</i> , 2015 , 9, 457-467	2.5	14
96	Substation planning method based on the weighted Voronoi diagram using an intelligent optimisation algorithm. <i>IET Generation, Transmission and Distribution</i> , 2014 , 8, 2173-2182	2.5	14
95	Hierarchical Control of Series-Connected String Converter-Based Islanded Electrical Power System. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 359-372	7.2	14
94	An SVM Approach for Five-Phase Current Source Converters Output Current Harmonics and Common-Mode Voltage Mitigation. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 5232-5245	8.9	14
93	A Fault-Tolerant Operation Approach for Grid-Tied Five-Phase Current-Source Converters With One-Phase Supplying Wire Broken. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 6200-6218	7.2	13
92	Hierarchical and distributed demand response control strategy for thermostatically controlled appliances in smart grid. <i>Journal of Modern Power Systems and Clean Energy</i> , 2017 , 5, 30-42	4	13
91	Synchronisation mechanism and interfaces design of multi-FPGA-based real-time simulator for microgrids. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 3088-3096	2.5	13
90	The Adaptive Sliding Mode Reactive Power Control Strategy for Wind/Diesel Power System Based on Sliding Mode Observer. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 2241-2251	8.2	13
89	Adaptive Voltage Droop Method of Multiterminal VSC-HVDC Systems for DC Voltage Deviation and Power Sharing. <i>IEEE Transactions on Power Delivery</i> , 2018 , 1-1	4.3	13
88	Optimal Design of the Sectional Switch and Tie Line for the Distribution Network Based on the Fault Incidence Matrix. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 4869-4879	7	12
87	A 1-kW CLTCL Resonant DC-DC Converter With Restricted Switching Loss and Broadened Voltage Range. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4190-4203	7.2	12
86	Circuit Configuration and Control of a Grid-Tie Small-Scale Wind Generation System for Expanded Wind Speed Range. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 5227-5247	7.2	12
85	A supply restoration method of distribution system based on Soft Open Point 2016 ,		12

84	Hierarchical Distributed Voltage Optimization Method for HV and MV Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 968-980	10.7	12
83	Determination of Local Voltage Control Strategy of Distributed Generators in Active Distribution Networks Based on Kriging Metamodel. <i>IEEE Access</i> , 2019 , 7, 34438-34450	3.5	11
82	An Isolated Three-Port Bidirectional DC-DC Converter with Enlarged ZVS Region for HESS Applications in DC Microgrids. <i>Energies</i> , 2017 , 10, 446	3.1	11
81	Frequency control strategy of multi-area hybrid power system based on frequency division and sliding mode algorithm. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 1145-1152	2.5	10
80	An Enhanced Power Regulation and Seamless Operation Mode Transfer Control Through Cooperative Dual-Interfacing Converters. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 5576-5587	10.7	10
79	Fast Linear Power Flow Algorithm for the Study of Steady-State Performance of DC Grid. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 4240-4248	7	9
78	High Step-Up 3-Phase Rectifier with Fly-Back Cells and Switched Capacitors for Small-Scaled Wind Generation Systems. <i>Energies</i> , 2015 , 8, 2742-2768	3.1	9
77	CTDAE & CTODE models and their applications to power system stability analysis with time delays. <i>Science China Technological Sciences</i> , 2013 , 56, 1213-1223	3.5	9
76	Multi-scenario, multi-objective optimization of grid-parallel Microgrid 2011 ,		9
75	Data-Driven Adaptive Operation of Soft Open Points in Active Distribution Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 8230-8242	11.9	9
74	Operational flexibility of active distribution networks: Definition, quantified calculation and application. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 119, 105872	5.1	8
73	Local voltage control strategy of active distribution network with PV reactive power optimization 2017 ,		8
72	Novel voltage-to-power sensitivity estimation for phasor measurement unit-unobservable distribution networks based on network equivalent. <i>Applied Energy</i> , 2019 , 250, 302-312	10.7	7
71	Coordinated Flexible Damping Mechanism with Inertia Emulation Capability for MMC-MTDC Transmission Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 1-1	5.6	7
70	Decentralised voltage control with built-in incentives for participants in distribution networks. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 790-797	2.5	7
69	Stability analysis of a DC microgrid with master-slave control structure 2014 ,		7
68	An Improved Substation Locating and Sizing Method Based on the Weighted Voronoi Diagram and the Transportation Model. <i>Journal of Applied Mathematics</i> , 2014 , 2014, 1-9	1.1	7
67	Operational flexibility of active distribution networks with the potential from data centers. <i>Applied Energy</i> , 2021 , 293, 116935	10.7	7

66	. <i>IEEE Transactions on Sustainable Energy</i> , 2019 , 10, 2075-2083	8.2	7
65	A Practical DC Fault Ride-Through Method for MMC Based MVDC Distribution Systems. <i>IEEE Transactions on Power Delivery</i> , 2021 , 36, 2510-2519	4.3	7
64	Optimal Planning of Community Integrated Energy Station Considering Frequency Regulation Service. <i>Journal of Modern Power Systems and Clean Energy</i> , 2021 , 9, 264-273	4	7
63	Interval Optimization-Based Unit Commitment for Deep Peak Regulation of Thermal Units. <i>Energies</i> , 2019 , 12, 922	3.1	6
62	Matrix perturbation based approach for sensitivity analysis of eigen-solutions in a microgrid. <i>Science China Technological Sciences</i> , 2013 , 56, 237-244	3.5	6
61	A High-Efficiency Isolated LCLC Multi-Resonant Three-Port Bidirectional DC-DC Converter. <i>Energies</i> , 2017 , 10, 934	3.1	6
60	Research and application of GIS-based medium-voltage distribution network comprehensive technical evaluation system. <i>International Transactions on Electrical Energy Systems</i> , 2015 , 25, 2674-2684 ^{2.2}		6
59	Supply Voltage and Grid Current Harmonics Compensation Using Multi-Port Interfacing Converter Integrated Into Two-AC-Bus Grid. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3057-3070	10.7	6
58	Parallel-Converter System Grid Current Switching Ripples Reduction Using a Simple Decentralized Interleaving PWM Approach. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 8581-8592	7.2	5
57	Equal Loading Rate Based MasterSlave Voltage Control for VSC Based DC Distribution Systems. <i>IEEE Transactions on Power Delivery</i> , 2020 , 35, 2252-2259	4.3	5
56	Strategic bidding optimization of microgrids in electricity distribution market 2017 ,		5
55	Power System Transient Stability Simulation under Uncertainty Based on Interval Method 2006 ,		5
54	A Reduced RLC Impedance Model for Dynamic Stability Analysis of PI Controller Based DC Voltage Control of Generic Source-Load Two-terminal DC Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 1-1	5.6	5
53	Quasi-Selective Harmonic Elimination (Q-SHE) Modulation-Based DC Current Balancing Method for Parallel Current Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7422-7436	7.2	5
52	Coordinated control for medium voltage DC distribution centers with flexibly interlinked multiple microgrids. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019 , 7, 599-611	4	4
51	Robust and autonomous dc bus voltage control and stability analysis for a dc microgrid 2016 ,		4
50	Coordinated control of multiple voltage balancers in a Bipolar DC microgrid 2017 ,		4
49	Detection of power quality disturbance based on binary wavelet transform 2007 ,		4

48	Fast Calculation of Probabilistic TTC with Static Voltage Stability Constraint. <i>IEEE Power Engineering Society General Meeting</i> , 2007 ,		4
47	Cost-Effective Islanded Electrical System With Decentralized Interleaving PWM for Converter Harmonic Reduction. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 8472-8483	8.9	4
46	Fast Distributed Voltage Control for PV Generation Clusters Based on Approximate Newton Method. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 612-622	8.2	4
45	Dual-transformer soft-switching DCDC resonant converter with multiple resonant elements. <i>IET Power Electronics</i> , 2018 , 11, 2538-2544	2.2	4
44	The Coordinated Control of Wind-Diesel Hybrid Micro-Grid Based on Sliding Mode Method and Load Estimation. <i>IEEE Access</i> , 2018 , 6, 76867-76875	3.5	4
43	A design of grid-connected PV system for real-time transient simulation based on FPGA 2015 ,		3
42	A topology morphing multi-element resonant converter with wide voltage gain range 2018 ,		3
41	Reactor Sizing Criterion for the Continuous Operation of Meshed HB-MMC-Based MTDC System Under DC Faults. <i>IEEE Transactions on Industry Applications</i> , 2018 , 1-1	4.3	3
40	A nonlinear disturbance observer based DC bus voltage control for a hybrid AC/DC microgrid 2013 ,		3
39	Voltage stability enhancement using thermostatically controlled appliances as a comfort-constrained virtual generator. <i>International Transactions on Electrical Energy Systems</i> , 2015 , 25, 3509-3522	2.2	3
38	Optimal Strategy of Active Distribution Network Considering SourceNetworkLoad. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 5586-5596	2.5	3
37	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4125-4133	7.2	3
36	Variable-Inertia Emulation Control Scheme for VSC-HVDC Transmission Systems. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	3
35	Locational Marginal Pricing Mechanism for Uncertainty Management Based on Improved Multi-ellipsoidal Uncertainty Set. <i>Journal of Modern Power Systems and Clean Energy</i> , 2021 , 9, 734-750	4	3
34	DC voltage deviation-dependent voltage droop control method for VSC-MTDC systems under large disturbances. <i>IET Renewable Power Generation</i> , 2020 , 14, 891-896	2.9	2
33	A Broad Frequency Range Harmonic Reduction for Cascaded-Power-Cell-Based Islanded Microgrid With Lumped PCC Filter. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 9251-9266	7.2	2
32	A Novel D-CLT Multiresonant DCDC Converter With Reduced Voltage Stresses for Wide Frequency Variation Applications. <i>IEEE Transactions on Power Electronics</i> , 2018 , 1-1	7.2	2
31	Three-Phase High-Power and Zero-Current-Switching OBC for Plug-In Electric Vehicles. <i>Energies</i> , 2015 , 8, 6672-6704	3.1	2

30	Power system transient stability simulation under uncertainty based on Taylor model arithmetic. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2009 , 4, 220-226		2
29	A classification method of power quality disturbance based on wavelet packet decomposition		2
28	The automatic routing system of urban mid-voltage distribution network based on spatial GIS		2
27	Aggregated-Impedance-Based Stability Analysis for a Parallel-Converter System Considering the Coupling Effect of Voltage Feedforward Control and Reactive Power Injection. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 5954-5970	7.2	2
26	Reduced-order Modeling and Comparative Dynamic Analysis of DC Voltage Control in DC Microgrids Under Different Droop Methods. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	2
25	Double-Layer Feedback Control Method for Synchronized Frequency Regulation of PMSG-Based Wind Farm. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 2423-2435	8.2	2
24	Family of DTMRC-based DCDC converters with an RZP. <i>IET Power Electronics</i> , 2020 , 13, 505-515	2.2	1
23	Robust operation strategy of soft open point for active distribution network with uncertainties 2017 ,		1
22	A series-DG based autonomous islanding microgrid 2016 ,		1
21	A Two-Level Optimal Scheduling Strategy for Central Air-Conditioners Based on Metal Model with Comprehensive State-Queueing Control Models. <i>Energies</i> , 2017 , 10, 2133	3.1	1
20	The parallel algorithm of transient simulation for distributed generation powered micro-grid 2012 ,		1
19	A new software for planning and designing of energy storage systems 2011 ,		1
18	Optimal Coordinated Bidding Strategy of Wind and Solar System with Energy Storage in Day-ahead Market. <i>Journal of Modern Power Systems and Clean Energy</i> , 2022 , 10, 192-203	4	1
17	Improved triangle splitting based bi-objective optimization for community integrated energy systems with correlated uncertainties. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 49, 101682	4.7	1
16	Multi-stage supply restoration of active distribution networks with SOP integration. <i>Sustainable Energy, Grids and Networks</i> , 2022 , 29, 100562	3.6	1
15	Peer-to-Peer Electricity Trading of Interconnected Flexible Distribution Networks Based on Distributed Ledger. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	1
14	Coherence Analysis of System Characteristics and Control Parameters for Hybrid HVDC Transmission Systems Based on Small-signal Modeling. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 1-1	5.6	1
13	A hybrid optimization algorithm for distribution network coordinated operation with SNOP based on simulated annealing and conic programming 2016 ,		1

12	Data-driven Power Flow Calculation Method: A Lifting Dimension Linear Regression Approach. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	1
11	Data-driven Coordinated Voltage Control Method of Distribution Networks with High DG Penetration. <i>IEEE Transactions on Power Systems</i> , 2022 , 1-1	7	1
10	Reliability evaluation of community integrated energy systems based on fault incidence matrix. <i>Sustainable Cities and Society</i> , 2022 , 80, 103769	10.1	0
9	Inertia Emulation and Fast Frequency-droop Control Strategy of a Point-to-point VSC-HVDC Transmission System for Asynchronous Grid Interconnection. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	0
8	Quantized event-driven simulation for integrated energy systems with hybrid continuous-discrete dynamics. <i>Applied Energy</i> , 2022 , 307, 118268	10.7	0
7	Frequency coordinated control strategy based on sliding mode method for a microgrid with hybrid energy storage system. <i>IET Generation, Transmission and Distribution</i> , 2021 , 15, 1962	2.5	0
6	Robust operation for minimizing power consumption of data centers with flexible substation integration. <i>Energy</i> , 2022 , 248, 123599	7.9	0
5	Hierarchical Distributed Optimal Power Flow of HV and MV Distribution Networks with Continuous and Discrete Devices. <i>IEEE Transactions on Power Systems</i> , 2022 , 1-1	7	0
4	A Wasserstein distributionally robust planning model for renewable sources and energy storage systems under multiple uncertainties. <i>IEEE Transactions on Sustainable Energy</i> , 2022 , 1-1	8.2	0
3	Probabilistic total transfer capability analysis based on static voltage stability region integrated with a modified distributed-level nodal-loading model. <i>Science China Technological Sciences</i> , 2015 , 58, 2072-2084	3.5	
2	Resonance propagation analysis for inverter-dominated multi-AC-bus systems. <i>IET Renewable Power Generation</i> , 2021 , 15, 2149-2159	2.9	
1	Workforce Training and Education on Smart Grids 2016 , 1-11		