Cheng-Shan Wang

List of Publications by Year in Descending Order

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	Optimal Coordinated Bidding Strategy of Wind and Solar System with Energy Storage in Day-ahead Market. *Journal of Modern Power Systems and Clean Energy*, **2022**, 10, 192-203	4	1
154	Reliability evaluation of community integrated energy systems based on fault incidence matrix. *Sustainable Cities and Society*, **2022**, 80, 103769	10.1	0
153	Improved triangle splitting based bi-objective optimization for community integrated energy systems with correlated uncertainties. *Sustainable Energy Technologies and Assessments*, **2022**, 49, 101682	4.7	1
152	Multi-stage supply restoration of active distribution networks with SOP integration. *Sustainable Energy, Grids and Networks*, **2022**, 29, 100562	3.6	1
151	Inertia Emulation and Fast Frequency-droop Control Strategy of a Point-to-point VSC-HVDC Transmission System for Asynchronous Grid Interconnection. *IEEE Transactions on Power Electronics* , **2022**, 1-1	7.2	0
150	Quantized event-driven simulation for integrated energy systems with hybrid continuous-discrete dynamics. *Applied Energy*, **2022**, 307, 118268	10.7	0
149	Robust operation for minimizing power consumption of data centers with flexible substation integration. *Energy*, **2022**, 248, 123599	7.9	0
148	Data-driven Coordinated Voltage Control Method of Distribution Networks with High DG Penetration. *IEEE Transactions on Power Systems*, **2022**, 1-1	7	1
147	Hierarchical Distributed Optimal Power Flow of HV and MV Distribution Networks with Continuous and Discrete Devices. *IEEE Transactions on Power Systems*, **2022**, 1-1	7	0
146	A Wasserstein distributionally robust planning model for renewable sources and energy storage systems under multiple uncertainties. *IEEE Transactions on Sustainable Energy*, **2022**, 1-1	8.2	0
145	Peer-to-Peer Electricity Trading of Interconnected Flexible Distribution Networks Based on Distributed Ledger. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	1
144	Resonance propagation analysis for inverter-dominated multi-AC-bus systems. *IET Renewable Power Generation*, **2021**, 15, 2149-2159	2.9	
143	Operational flexibility of active distribution networks with the potential from data centers. *Applied Energy*, **2021**, 293, 116935	10.7	7
142	A Practical DC Fault Ride-Through Method for MMC Based MVDC Distribution Systems. *IEEE Transactions on Power Delivery*, **2021**, 36, 2510-2519	4.3	7
141	Aggregated-Impedance-Based Stability Analysis for a Parallel-Converter System Considering the Coupling Effect of Voltage Feedforward Control and Reactive Power Injection. *IEEE Transactions on Power Electronics*, **2021**, 36, 5954-5970	7.2	2
140	. *IEEE Transactions on Power Electronics*, **2021**, 36, 4125-4133	7.2	3
139	Fast Distributed Voltage Control for PV Generation Clusters Based on Approximate Newton Method. *IEEE Transactions on Sustainable Energy*, **2021**, 12, 612-622	8.2	4

138	Reduced-order Modeling and Comparative Dynamic Analysis of DC Voltage Control in DC Microgrids Under Different Droop Methods. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	2
137	Optimal Planning of Community Integrated Energy Station Considering Frequency Regulation Service. *Journal of Modern Power Systems and Clean Energy*, **2021**, 9, 264-273	4	7
136	Data-driven Power Flow Calculation Method: A Lifting Dimension Linear Regression Approach. *IEEE Transactions on Power Systems*, **2021**, 1-1	7	1
135	Frequency coordinated control strategy based on sliding mode method for a microgrid with hybrid energy storage system. *IET Generation, Transmission and Distribution*, **2021**, 15, 1962	2.5	0
134	Double-Layer Feedback Control Method for Synchronized Frequency Regulation of PMSG-Based Wind Farm. *IEEE Transactions on Sustainable Energy*, **2021**, 12, 2423-2435	8.2	2
133	Data-Driven Adaptive Operation of Soft Open Points in Active Distribution Networks. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 8230-8242	11.9	9
132	Variable-Inertia Emulation Control Scheme for VSC-HVDC Transmission Systems. *IEEE Transactions on Power Systems*, **2021**, 1-1	7	3
131	Locational Marginal Pricing Mechanism for Uncertainty Management Based on Improved Multi-ellipsoidal Uncertainty Set. *Journal of Modern Power Systems and Clean Energy*, **2021**, 9, 734-750	4	3
130	Coordinated Flexible Damping Mechanism with Inertia Emulation Capability for MMC-MTDC Transmission Systems. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2020**, 1-1	5.6	7
129	DC voltage deviation-dependent voltage droop control method for VSC-MTDC systems under large disturbances. *IET Renewable Power Generation*, **2020**, 14, 891-896	2.9	2
128	A Broad Frequency Range Harmonic Reduction for Cascaded-Power-Cell-Based Islanded Microgrid With Lumped PCC Filter. *IEEE Transactions on Power Electronics*, **2020**, 35, 9251-9266	7.2	2
127	MPC-Based Local Voltage Control Strategy of DGs in Active Distribution Networks. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 2911-2921	8.2	19
126	Parallel-Converter System Grid Current Switching Ripples Reduction Using a Simple Decentralized Interleaving PWM Approach. *IEEE Transactions on Power Electronics*, **2020**, 35, 8581-8592	7.2	5
125	Family of DTMRC-based DC–DC converters with an RZP. *IET Power Electronics*, **2020**, 13, 505-515	2.2	1
124	Operational flexibility of active distribution networks: Definition, quantified calculation and application. *International Journal of Electrical Power and Energy Systems*, **2020**, 119, 105872	5.1	8
123	Equal Loading Rate Based Master–Slave Voltage Control for VSC Based DC Distribution Systems. *IEEE Transactions on Power Delivery*, **2020**, 35, 2252-2259	4.3	5
122	Self-healing oriented supply restoration method based on the coordination of multiple SOPs in active distribution networks. *Energy*, **2020**, 195, 116968	7.9	19
121	Cost-Effective Islanded Electrical System With Decentralized Interleaving PWM for Converter Harmonic Reduction. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 8472-8483	8.9	4

120	The Adaptive Sliding Mode Reactive Power Control Strategy for WindDiesel Power System Based on Sliding Mode Observer. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 2241-2251	8.2	13
119	Improved Deep Belief Network for Short-Term Load Forecasting Considering Demand-Side Management. *IEEE Transactions on Power Systems*, **2020**, 35, 1531-1538	7	34
118	A Reduced RLC Impedance Model for Dynamic Stability Analysis of PI Controller Based DC Voltage Control of Generic Source-Load Two-terminal DC Systems. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2020**, 1-1	5.6	5
117	Coherence Analysis of System Characteristics and Control Parameters for Hybrid HVDC Transmission Systems Based on Small-signal Modeling. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2020**, 1-1	5.6	1
116	Hierarchical Control of Series-Connected String Converter-Based Islanded Electrical Power System. *IEEE Transactions on Power Electronics*, **2020**, 35, 359-372	7.2	14
115	Hierarchical Distributed Voltage Optimization Method for HV and MV Distribution Networks. *IEEE Transactions on Smart Grid*, **2020**, 11, 968-980	10.7	12
114	An SVM Approach for Five-Phase Current Source Converters Output Current Harmonics and Common-Mode Voltage Mitigation. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 5232-5245	8.9	14
113	Coordinated control for medium voltage DC distribution centers with flexibly interlinked multiple microgrids. *Journal of Modern Power Systems and Clean Energy*, **2019**, 7, 599-611	4	4
112	Novel voltage-to-power sensitivity estimation for phasor measurement unit-unobservable distribution networks based on network equivalent. *Applied Energy*, **2019**, 250, 302-312	10.7	7
111	Interval Optimization-Based Unit Commitment for Deep Peak Regulation of Thermal Units. *Energies* , **2019**, 12, 922	3.1	6
110	Fast Linear Power Flow Algorithm for the Study of Steady-State Performance of DC Grid. *IEEE Transactions on Power Systems*, **2019**, 34, 4240-4248	7	9
109	Optimal Design of the Sectional Switch and Tie Line for the Distribution Network Based on the Fault Incidence Matrix. *IEEE Transactions on Power Systems*, **2019**, 34, 4869-4879	7	12
108	Frequency control strategy of multi-area hybrid power system based on frequency division and sliding mode algorithm. *IET Generation, Transmission and Distribution*, **2019**, 13, 1145-1152	2.5	10
107	Congestion Management Method of Low-Voltage Active Distribution Networks Based on Distribution Locational Marginal Price. *IEEE Access*, **2019**, 7, 32240-32255	3.5	22
106	An islanding partition method of active distribution networks based on chance-constrained programming. *Applied Energy*, **2019**, 242, 78-91	10.7	17
105	Combined decentralized and local voltage control strategy of soft open points in active distribution networks. *Applied Energy*, **2019**, 241, 613-624	10.7	44
104	Determination of Local Voltage Control Strategy of Distributed Generators in Active Distribution Networks Based on Kriging Metamodel. *IEEE Access*, **2019**, 7, 34438-34450	3.5	11
103	Augmented Sensitivity Estimation Based Voltage Control Strategy of Active Distribution Networks With PMU Measurement. *IEEE Access*, **2019**, 1-1	3.5	17

102	Quantified analysis method for operational flexibility of active distribution networks with high penetration of distributed generators. *Applied Energy*, **2019**, 239, 706-714	10.7	36
101	A Fault-Tolerant Operation Approach for Grid-Tied Five-Phase Current-Source Converters With One-Phase Supplying Wire Broken. *IEEE Transactions on Power Electronics*, **2019**, 34, 6200-6218	7.2	13
100	Robust Operation of Soft Open Points in Active Distribution Networks With High Penetration of Photovoltaic Integration. *IEEE Transactions on Sustainable Energy*, **2019**, 10, 280-289	8.2	78
99	Enhanced Dynamic Stability Control for Low-Inertia Hybrid AC/DC Microgrid With Distributed Energy Storage Systems. *IEEE Access*, **2019**, 7, 91234-91242	3.5	27
98	Optimal placement of PMUs and communication links for distributed state estimation in distribution networks. *Applied Energy*, **2019**, 256, 113963	10.7	19
97	Optimal Strategy of Active Distribution Network Considering Source□Network□oad. *IET Generation, Transmission and Distribution*, **2019**, 13, 5586-5596	2.5	3
96	Operation of Stand-Alone Microgrids Considering the Load Following of Biomass Power Plants and the Power Curtailment Control Optimization of Wind Turbines. *IEEE Access*, **2019**, 7, 186115-186125	3.5	15
95	Quasi-Selective Harmonic Elimination (Q-SHE) Modulation-Based DC Current Balancing Method for Parallel Current Source Converters. *IEEE Transactions on Power Electronics*, **2019**, 34, 7422-7436	7.2	5
94	. *IEEE Transactions on Sustainable Energy*, **2019**, 10, 2075-2083	8.2	7
93	Optimal Operation of Soft Open Points in Active Distribution Networks Under Three-Phase Unbalanced Conditions. *IEEE Transactions on Smart Grid*, **2019**, 10, 380-391	10.7	67
92	Impacts of Cyber System on Microgrid Operational Reliability. *IEEE Transactions on Smart Grid*, **2019** , 10, 105-115	10.7	42
91	Supply Voltage and Grid Current Harmonics Compensation Using Multi-Port Interfacing Converter Integrated Into Two-AC-Bus Grid. *IEEE Transactions on Smart Grid*, **2019**, 10, 3057-3070	10.7	6
90	Intelligent Power Sharing of DC Isolated Microgrid Based on Fuzzy Sliding Mode Droop Control. *IEEE Transactions on Smart Grid*, **2019**, 10, 2396-2406	10.7	33
89	A Coupled Virtual Impedance for Parallel AC/DC Converter Based Power Electronics System. *IEEE Transactions on Smart Grid*, **2019**, 10, 3387-3400	10.7	21
88	A 5-kW Isolated High Voltage Conversion Ratio Bidirectional CLTC Resonant DC□DC Converter With Wide Gain Range and High Efficiency. *IEEE Transactions on Power Electronics*, **2019**, 34, 340-355	7.2	29
87	SVM Strategies for Simultaneous Common-Mode Voltage Reduction and DC Current Balancing in Parallel Current Source Converters. *IEEE Transactions on Power Electronics*, **2018**, 33, 8859-8871	7.2	15
86	. *IEEE Transactions on Energy Conversion*, **2018**, 33, 773-783	5.4	47
85	Hierarchical Control of Multiterminal DC Grids for Large-Scale Renewable Energy Integration. *IEEE Transactions on Sustainable Energy*, **2018**, 9, 1448-1457	8.2	34

84	Decentralised voltage control with built-in incentives for participants in distribution networks. *IET Generation, Transmission and Distribution*, **2018**, 12, 790-797	2.5	7
83	Network Partition and Voltage Coordination Control for Distribution Networks With High Penetration of Distributed PV Units. *IEEE Transactions on Power Systems*, **2018**, 33, 3396-3407	7	58
82	Frequency Control of an Isolated Micro-Grid Using Double Sliding Mode Controllers and Disturbance Observer. *IEEE Transactions on Smart Grid*, **2018**, 9, 923-930	10.7	69
81	A Projective Integration Method for Transient Stability Assessment of Power Systems With a High Penetration of Distributed Generation. *IEEE Transactions on Smart Grid*, **2018**, 9, 386-395	10.7	27
80	Hybrid Microgrid With Parallel- and Series-Connected Microconverters. *IEEE Transactions on Power Electronics*, **2018**, 33, 4817-4831	7.2	35
79	A Simple Decentralized Islanding Microgrid Power Sharing Method Without Using Droop Control. *IEEE Transactions on Smart Grid*, **2018**, 9, 6128-6139	10.7	29
78	Observer-Based DC Voltage Droop and Current Feed-Forward Control of a DC Microgrid. *IEEE Transactions on Smart Grid*, **2018**, 9, 5207-5216	10.7	59
77	An Enhanced Power Regulation and Seamless Operation Mode Transfer Control Through Cooperative Dual-Interfacing Converters. *IEEE Transactions on Smart Grid*, **2018**, 9, 5576-5587	10.7	10
76	A Unified Control for the DC–AC Interlinking Converters in Hybrid AC/DC Microgrids. *IEEE Transactions on Smart Grid*, **2018**, 9, 6540-6553	10.7	56
75	The SVC Additional Adaptive Voltage Controller of Isolated Wind-Diesel Power System Based on Double Sliding-Mode Optimal Strategy. *IEEE Transactions on Sustainable Energy*, **2018**, 9, 24-34	8.2	20
74	A 1-kW CLTCL Resonant DC-DC Converter With Restricted Switching Loss and Broadened Voltage Range. *IEEE Transactions on Power Electronics*, **2018**, 33, 4190-4203	7.2	12
73	Flexible Interlinking and Coordinated Power Control of Multiple DC Microgrids Clusters. *IEEE Transactions on Sustainable Energy*, **2018**, 9, 904-915	8.2	48
72	Distribution Locational Marginal Pricing (DLMP) for Congestion Management and Voltage Support. *IEEE Transactions on Power Systems*, **2018**, 33, 4061-4073	7	143
71	A centralized-based method to determine the local voltage control strategies of distributed generator operation in active distribution networks. *Applied Energy*, **2018**, 228, 2024-2036	10.7	44
70	Fault Incidence Matrix Based Reliability Evaluation Method for Complex Distribution System. *IEEE Transactions on Power Systems*, **2018**, 33, 6736-6745	7	20
69	A topology morphing multi-element resonant converter with wide voltage gain range **2018**,		3
68	Reactor Sizing Criterion for the Continuous Operation of Meshed HB-MMC-Based MTDC System Under DC Faults. *IEEE Transactions on Industry Applications*, **2018**, 1-1	4.3	3
67	A Novel D-CLT Multiresonant DC–DC Converter With Reduced Voltage Stresses for Wide Frequency Variation Applications. *IEEE Transactions on Power Electronics*, **2018**, 1-1	7.2	2

66	PMU-Based Estimation of Voltage-to-Power Sensitivity for Distribution Networks Considering the Sparsity of Jacobian Matrix. *IEEE Access*, **2018**, 6, 31307-31316	3.5	15
65	Dual-transformer soft-switching DCDC resonant converter with multiple resonant elements. *IET Power Electronics*, **2018**, 11, 2538-2544	2.2	4
64	The Coordinated Control of Wind-Diesel Hybrid Micro-Grid Based on Sliding Mode Method and Load Estimation. *IEEE Access*, **2018**, 6, 76867-76875	3.5	4
63	Adaptive Voltage Droop Method of Multiterminal VSC-HVDC Systems for DC Voltage Deviation and Power Sharing. *IEEE Transactions on Power Delivery*, **2018**, 1-1	4.3	13
62	Deadbeat Weighted Average Current Control With Corrective Feed-Forward Compensation for Microgrid Converters With Nonstandard LCL Filter. *IEEE Transactions on Power Electronics*, **2017**, 32, 2661-2674	7.2	25
61	Simultaneous Microgrid Voltage and Current Harmonics Compensation Using Coordinated Control of Dual-Interfacing Converters. *IEEE Transactions on Power Electronics*, **2017**, 32, 2647-2660	7.2	37
60	Inverse Power Factor Droop Control for Decentralized Power Sharing in Series-Connected-Microconverters-Based Islanding Microgrids. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 7444-7454	8.9	51
59	Coordinated Control Method of Voltage and Reactive Power for Active Distribution Networks Based on Soft Open Point. *IEEE Transactions on Sustainable Energy*, **2017**, 8, 1430-1442	8.2	146
58	Robust operation strategy of soft open point for active distribution network with uncertainties **2017**,		1
57	Hierarchical and distributed demand response control strategy for thermostatically controlled appliances in smart grid. *Journal of Modern Power Systems and Clean Energy*, **2017**, 5, 30-42	4	13
56	Stability Analysis and Damping Enhancement Based on Frequency-Dependent Virtual Impedance for DC Microgrids. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2017**, 5, 338-350	5.6	82
55	Circuit Configuration and Control of a Grid-Tie Small-Scale Wind Generation System for Expanded Wind Speed Range. *IEEE Transactions on Power Electronics*, **2017**, 32, 5227-5247	7.2	12
54	Local voltage control strategy of active distribution network with PV reactive power optimization **2017**,		8
53	Synchronisation mechanism and interfaces design of multi-FPGA-based real-time simulator for microgrids. *IET Generation, Transmission and Distribution*, **2017**, 11, 3088-3096	2.5	13
52	Strategic bidding optimization of microgrids in electricity distribution market **2017**,		5
51	Coordinated control of multiple voltage balancers in a Bipolar DC microgrid **2017**,		4
50	A High-Efficiency Isolated LCLC Multi-Resonant Three-Port Bidirectional DC-DC Converter. *Energies*, **2017**, 10, 934	3.1	6
49	An Isolated Three-Port Bidirectional DC-DC Converter with Enlarged ZVS Region for HESS Applications in DC Microgrids. *Energies*, **2017**, 10, 446	3.1	11

48	A Two-Level Optimal Scheduling Strategy for Central Air-Conditioners Based on Metal Model with Comprehensive State-Queueing Control Models. *Energies*, **2017**, 10, 2133	3.1	1
47	Robust and autonomous dc bus voltage control and stability analysis for a dc microgrid **2016**,		4
46	Day-ahead optimal scheduling method for grid-connected microgrid based on energy storage control strategy. *Journal of Modern Power Systems and Clean Energy*, **2016**, 4, 648-658	4	37
45	A series-DG based autonomous islanding microgrid **2016**,		1
44	A Highly Integrated and Reconfigurable Microgrid Testbed with Hybrid Distributed Energy Sources. *IEEE Transactions on Smart Grid*, **2016**, 7, 451-459	10.7	63
43	Energy management system for stand-alone diesel-wind-biomass microgrid with energy storage system. *Energy*, **2016**, 97, 90-104	7.9	80
42	Benefits analysis of Soft Open Points for electrical distribution network operation. *Applied Energy*, **2016**, 165, 36-47	10.7	138
41	Operating principle of Soft Open Points for electrical distribution network operation. *Applied Energy*, **2016**, 164, 245-257	10.7	105
40	Optimal design of battery energy storage system for a wind□diesel off-grid power system in a remote Canadian community. *IET Generation, Transmission and Distribution*, **2016**, 10, 608-616	2.5	18
39	. *IEEE Transactions on Power Electronics*, **2016**, 31, 5547-5561	7.2	77
38	Workforce Training and Education on Smart Grids **2016**, 1-11		
37	A supply restoration method of distribution system based on Soft Open Point **2016**,		12
36	A hybrid optimization algorithm for distribution network coordinated operation with SNOP based on simulated annealing and conic programming **2016**,		1
35	High Step-Up 3-Phase Rectifier with Fly-Back Cells and Switched Capacitors for Small-Scaled Wind Generation Systems. *Energies*, **2015**, 8, 2742-2768	3.1	9
34	Model order reduction for transient simulation of active distribution networks. *IET Generation, Transmission and Distribution*, **2015**, 9, 457-467	2.5	14
33	A design of grid-connected PV system for real-time transient simulation based on FPGA **2015**,		3
32	Fuzzy logic based coordinated control of battery energy storage system and dispatchable distributed generation for microgrid. *Journal of Modern Power Systems and Clean Energy*, **2015**, 3, 422-428	4	32
31	Probabilistic total transfer capability analysis based on static voltage stability region integrated with a modified distributed-level nodal-loading model. *Science China Technological Sciences*, **2015**, 58, 2072-2084	3.5	

30	Research and application of GIS-based medium-voltage distribution network comprehensive technical evaluation system. *International Transactions on Electrical Energy Systems*, **2015**, 25, 2674-2684	2.2	6
29	Voltage stability enhancement using thermostatically controlled appliances as a comfort-constrained virtual generator. *International Transactions on Electrical Energy Systems*, **2015**, 25, 3509-3522	2.2	3
28	Three-Phase High-Power and Zero-Current-Switching OBC for Plug-In Electric Vehicles. *Energies*, **2015**, 8, 6672-6704	3.1	2
27	A Demand Response and Battery Storage Coordination Algorithm for Providing Microgrid Tie-Line Smoothing Services. *IEEE Transactions on Sustainable Energy*, **2014**, 5, 476-486	8.2	122
26	A Nonlinear-Disturbance-Observer-Based DC-Bus Voltage Control for a Hybrid AC/DC Microgrid. *IEEE Transactions on Power Electronics*, **2014**, 29, 6162-6177	7.2	129
25	Multi-objective stochastic optimal planning method for stand-alone microgrid system. *IET Generation, Transmission and Distribution*, **2014**, 8, 1263-1273	2.5	91
24	Sizing of Energy Storage and Diesel Generators in an Isolated Microgrid Using Discrete Fourier Transform (DFT). *IEEE Transactions on Sustainable Energy*, **2014**, 5, 907-916	8.2	128
23	Model and Topological Characteristics of Power Distribution System Security Region. *Journal of Applied Mathematics*, **2014**, 2014, 1-13	1.1	17
22	Performance evaluation of controlling thermostatically controlled appliances as virtual generators using comfort-constrained state-queueing models. *IET Generation, Transmission and Distribution*, **2014**, 8, 591-599	2.5	55
21	Substation planning method based on the weighted Voronoi diagram using an intelligent optimisation algorithm. *IET Generation, Transmission and Distribution*, **2014**, 8, 2173-2182	2.5	14
20	Optimal planning of stand-alone microgrids incorporating reliability. *Journal of Modern Power Systems and Clean Energy*, **2014**, 2, 195-205	4	33
19	Stability analysis of a DC microgrid with master-slave control structure **2014**,		7
18	Energy Management System for Stand-Alone Wind-Powered-Desalination Microgrid. *IEEE Transactions on Smart Grid*, **2014**, 1-1	10.7	27
17	An Improved Substation Locating and Sizing Method Based on the Weighted Voronoi Diagram and the Transportation Model. *Journal of Applied Mathematics*, **2014**, 2014, 1-9	1.1	7
16	CTDAE & CTODE models and their applications to power system stability analysis with time delays. *Science China Technological Sciences*, **2013**, 56, 1213-1223	3.5	9
15	Decentralized Sliding Mode Load Frequency Control for Multi-Area Power Systems. *IEEE Transactions on Power Systems*, **2013**, 28, 4301-4309	7	165
14	A nonlinear disturbance observer based DC bus voltage control for a hybrid AC/DC microgrid **2013**,		3
13	Matrix perturbation based approach for sensitivity analysis of eigen-solutions in a microgrid. *Science China Technological Sciences*, **2013**, 56, 237-244	3.5	6

12	Coordinated Optimal Design of Inverter Controllers in a Micro-Grid With Multiple Distributed Generation Units. *IEEE Transactions on Power Systems*, **2013**, 28, 2679-2687	7	37
11	The parallel algorithm of transient simulation for distributed generation powered micro-grid **2012**,		1
10	A seamless operation mode transition control strategy for a microgrid based on master-slave control. *Science China Technological Sciences*, **2012**, 55, 1644-1654	3.5	32
9	Multi-scenario, multi-objective optimization of grid-parallel Microgrid **2011**,		9
8	A new software for planning and designing of energy storage systems **2011**,		1
7	Power system transient stability simulation under uncertainty based on Taylor model arithmetic. *Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities*, **2009**, 4, 220-226		2
6	A Voltage-Behind-Reactance Induction Machine Model for the EMTP-Type Solution. *IEEE Transactions on Power Systems*, **2008**, 23, 1226-1238	7	26
5	Detection of power quality disturbance based on binary wavelet transform **2007**,		4
4	Fast Calculation of Probabilistic TTC with Static Voltage Stability Constraint. *IEEE Power Engineering Society General Meeting*, **2007**,		4
3	Power System Transient Stability Simulation under Uncertainty Based on Interval Method **2006**,		5
2	A classification method of power quality disturbance based on wavelet packet decomposition		2
1	The automatic routing system of urban mid-voltage distribution network based on spatial GIS		2