

hongjie Jia

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207
papers

3,790
citations

33
h-index

54
g-index

252
ext. papers

5,265
ext. citations

5.8
avg, IF

6.03
L-index

#	Paper	IF	Citations
207	Data-model alliance network for the online multi-step thermal warning of energy storage system based on surface temperature diffusion.. <i>Patterns</i> , 2022 , 3, 100432	5.1	0
206	Novel modular multilevel converter-based five-terminal MV/LV hybrid AC/DC microgrids with improved operation capability under unbalanced power distribution. <i>Applied Energy</i> , 2022 , 306, 118140	10.7	0
205	Congestion management under peer-to-peer energy trading scheme among microgrids through cooperative game. <i>Energy Reports</i> , 2022 , 8, 59-66	4.6	2
204	A fast optimal load shedding method for power system reliability assessment based on shadow price theory. <i>Energy Reports</i> , 2022 , 8, 352-360	4.6	0
203	Probabilistic energy flow calculation for regional integrated energy system considering cross-system failures. <i>Applied Energy</i> , 2022 , 308, 118326	10.7	11
202	A risk management framework for power distribution networks undergoing a typhoon disaster. <i>IET Generation, Transmission and Distribution</i> , 2022 , 16, 293	2.5	1
201	A Novel Fault-Tolerant Operation Approach for the Modular Multilevel Converter-Based STATCOM with the Enhanced Operation Capability. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022 , 1-1	5.6	0
200	Decoupled Control Scheme for THD Reduction and One Specific Harmonic Elimination in the Modular Multilevel Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	1
199	A Novel Detection and Localization Approach of Open-Circuit Switch Fault for the Grid-Connected Modular Multilevel Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	6
198	Hybrid process model and smart policy network of electric-vehicle resources for instantaneous power flow imbalances. <i>Applied Energy</i> , 2022 , 314, 118531	10.7	
197	Planning-Oriented resilience assessment and enhancement of integrated electricity-gas system considering multi-type natural disasters. <i>Applied Energy</i> , 2022 , 315, 118824	10.7	7
196	A Dual-Loop Control Strategy for Interlinking Converters in Hybrid AC/DC Microgrids. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 954-964	0.2	
195	Optimization in Grid-Interactive Buildings. <i>Studies in Infrastructure and Control</i> , 2022 , 231-250		
194	Distributed OPF for PET-based AC/DC Distribution Networks With Convex Relaxation and Linear Approximation. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1	10.7	1
193	A scenario-based optimal dispatch for joint operation of wind farms and combined heat and power plants considering energy flexibilities in heating networks. <i>Electric Power Systems Research</i> , 2021 , 204, 107683	3.5	1
192	Data-driven power system reliability evaluation based on stacked denoising auto-encoders. <i>Energy Reports</i> , 2021 ,	4.6	1
191	Coordinated operational planning for electric vehicles considering battery swapping and real road networks in logistics delivery service. <i>Energy Reports</i> , 2021 ,	4.6	2

190	. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	1
189	Modelling and stability assessment of the MMC-HVDC energy interconnected system with the cyber delay of communication network. <i>IET Energy Systems Integration</i> , 2021 , 3, 86-98	3.3	1
188	Reliability Assessment of Power Systems with High Renewable Energy Penetration Using Shadow Price and Impact Increment Methods. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	5
187	Study on Ultra-High Temperature Contact Solution Treatment of AlZnMgCu Alloys. <i>Metals</i> , 2021 , 11, 842	2.3	0
186	Distributed Thermal Energy Storage Configuration of an Urban Electric and Heat Integrated Energy System Considering Medium Temperature Characteristics. <i>Energies</i> , 2021 , 14, 2924	3.1	1
185	Multi-step ahead thermal warning network for energy storage system based on the core temperature detection. <i>Scientific Reports</i> , 2021 , 11, 15332	4.9	0
184	Optimal Integration of Building Heating Loads in Integrated Heating/Electricity Community Energy Systems: A Bi-Level MPC Approach. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 1741-1754	8.2	6
183	An Improved Fault-Tolerant Control Scheme for Cascaded H-Bridge STATCOM With Higher Attainable Balanced Line-to-Line Voltages. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 2784-2797	8.9	16
182	A Novel Operation Scheme for Modular Multilevel Converter With Enhanced Ride-Through Capability of Submodule Faults. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 1258-1268	5.6	13
181	Online Rolling Evolutionary Decoder-Dispatch Framework for the Secondary Frequency Regulation of Time-Varying Electrical-Grid-Electric-Vehicle System. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 871-884	10.7	9
180	Full-time scale resilience enhancement framework for power transmission system under ice disasters. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 126, 106609	5.1	12
179	Modular multilevel converter based multi-terminal hybrid AC/DC microgrid with improved energy control method. <i>Applied Energy</i> , 2021 , 282, 116154	10.7	9
178	Relaxed decoupled direct calculation of voltage collapse points and its application in static voltage stability region boundary formation. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 125, 106452	5.1	1
177	Bi-Level Optimization Framework for Buildings to Heating Grid Integration in Integrated Community Energy Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 860-873	8.2	8
176	Modulated Model Predictive Control for Multilevel Cascaded H-Bridge Converter based STATCOM. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	8
175	Prospects of key technologies of integrated energy systems for rural electrification in China. <i>Global Energy Interconnection</i> , 2021 , 4, 3-17	1.6	1
174	Cyber-physical modelling operator and multimodal vibration in the integrated local vehicle-grid electrical system. <i>Applied Energy</i> , 2021 , 286, 116432	10.7	1
173	A Lagrange Multiplier Based State Enumeration Reliability Assessment for Power Systems With Multiple Types of Loads and Renewable Generations. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 3260-3270	7.27	15

172	Assessment of the solar energy accommodation capability of the district integrated energy systems considering the transmission delay of the heating network. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 130, 106821	5.1	3
171	Multi-stage stochastic planning of regional integrated energy system based on scenario tree path optimization under long-term multiple uncertainties. <i>Applied Energy</i> , 2021 , 300, 117224	10.7	9
170	Electric/thermal hybrid energy storage planning for park-level integrated energy systems with second-life battery utilization. <i>Advances in Applied Energy</i> , 2021 , 4, 100064		7
169	Decentralized optimal scheduling for integrated community energy system via consensus-based alternating direction method of multipliers. <i>Applied Energy</i> , 2021 , 302, 117448	10.7	2
168	Peer-to-Peer energy trading strategy for energy balance service provider (EBSP) considering market elasticity in community microgrid. <i>Applied Energy</i> , 2021 , 303, 117596	10.7	7
167	A Dual-Layer Back-Stepping Control Method for Lyapunov Stability in Modular Multilevel Converter based STATCOM. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	10
166	A Novel Sliding-Discrete-Control-Set Modulated Model Predictive Control for Modular Multilevel Converter. <i>IEEE Access</i> , 2021 , 9, 10316-10327	3.5	7
165	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
164	Electric Vehicle Aggregator Modeling and Control for Frequency Regulation Considering Progressive State Recovery. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 4176-4189	10.7	19
163	Probability-Based Energy Reinforced Management of Electric Vehicle Aggregation in the Electrical Grid Frequency Regulation. <i>IEEE Access</i> , 2020 , 8, 110598-110610	3.5	5
162	Integrated optimal scheduling and predictive control for energy management of an urban complex considering building thermal dynamics. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 123, 106273	5.1	12
161	Coordinated Flexibility Scheduling for Urban Integrated Heat and Power Systems by Considering the Temperature Dynamics of Heating Network. <i>Energies</i> , 2020 , 13, 3273	3.1	4
160	An improved power regulation method for a three-terminal hybrid AC/DC microgrid during module failure. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 123, 106330	5.1	3
159	Optimal scheduling method for belt conveyor system in coal mine considering silo virtual energy storage. <i>Applied Energy</i> , 2020 , 275, 115368	10.7	10
158	. <i>IEEE Access</i> , 2020 , 8, 18693-18702	3.5	2
157	A resilience assessment approach for power system from perspectives of system and component levels. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 118, 105837	5.1	21
156	Framework Integrating Lossy Compression and Perturbation for the Case of Smart Meter Privacy. <i>Electronics (Switzerland)</i> , 2020 , 9, 465	2.6	4
155	Multi-scene upgrade and renovation method of existing park-level integrated energy system based on comprehensive analysis. <i>Energy Conversion and Economics</i> , 2020 , 1, 184-197	0.7	0

154	User-friendly rolling control strategy for a heat pump heating system considering building thermal inertia. <i>IET Energy Systems Integration</i> , 2020 , 2, 393-403	3.3	1
153	Spectrum-domain stability assessment and intrinsic oscillation for aggregated mobile energy storage in grid frequency regulation. <i>Applied Energy</i> , 2020 , 276, 115434	10.7	7
152	Stochastic subspace identification based data-driven approach for monitoring electromechanical dynamics from phasor measurement units. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 3983-3991	3.5	1
151	Local flexibility markets: Literature review on concepts, models and clearing methods. <i>Applied Energy</i> , 2020 , 261, 114387	10.7	75
150	A distributed Peer-to-Peer energy transaction method for diversified prosumers in Urban Community Microgrid System. <i>Applied Energy</i> , 2020 , 260, 114327	10.7	53
149	Region model and application of regional integrated energy system security analysis. <i>Applied Energy</i> , 2020 , 260, 114268	10.7	27
148	A double-layer planning method for integrated community energy systems with varying energy conversion efficiencies. <i>Applied Energy</i> , 2020 , 279, 115700	10.7	35
147	Multi-objective stochastic expansion planning based on multi-dimensional correlation scenario generation method for regional integrated energy system integrated renewable energy. <i>Applied Energy</i> , 2020 , 276, 115395	10.7	36
146	Distorted Stability Space and Instability Triggering Mechanism of EV Aggregation Delays in the Secondary Frequency Regulation of Electrical Grid-Electric Vehicle System. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 5084-5098	10.7	7
145	. <i>IEEE Access</i> , 2020 , 8, 137209-137225	3.5	1
144	. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 5431-5441	10.7	19
143	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
142	Energy-Storage-Based Intelligent Frequency Control of Microgrid With Stochastic Model Uncertainties. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 1748-1758	10.7	20
141	An eigensystem realization algorithm based data-driven approach for extracting electromechanical oscillation dynamic patterns from synchrophasor measurements in bulk power grids. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 116, 105549	5.1	10
140	Security region of natural gas network in electricity-gas integrated energy system. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 117, 105601	5.1	19
139	. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 5197-5203	8.9	32
138	State Space Model of Aggregated Electric Vehicles for Frequency Regulation. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 981-994	10.7	25
137	Study on influence of various wind farm correlations on voltage stability with multidimensional data streams method 2019 , 42, 738-747		1

136	Alleviation of overloads in transmission network: A multi-level framework using the capability from active distribution network. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 112, 232-251	5.1	10
135	A Novel Submodule Voltage Balancing Scheme for Modular Multilevel Cascade Converter Double-Star Chopper-Cells (MMCC-DSCC) Based STATCOM. <i>IEEE Access</i> , 2019 , 7, 83058-83073	3.5	13
134	A Robust Assessment Model of the Solar Electrical-Thermal Energy Comprehensive Accommodation Capability in a District Integrated Energy System. <i>Energies</i> , 2019 , 12, 1363	3.1	2
133	Integrated demand response in district electricity-heating network considering double auction retail energy market based on demand-side energy stations. <i>Applied Energy</i> , 2019 , 248, 656-678	10.7	51
132	Scheduling distributed energy resources and smart buildings of a microgrid via multi-time scale and model predictive control method. <i>IET Renewable Power Generation</i> , 2019 , 13, 816-833	2.9	20
131	An Improved Grid Current and DC Capacitor Voltage Balancing Method for Three-Terminal Hybrid AC/DC Microgrid. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 5876-5888	10.7	18
130	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
129	Techno-Economic Evaluation of Mixed AC and DC Power Distribution Network for Integrating Large-Scale Photovoltaic Power Generation. <i>IEEE Access</i> , 2019 , 7, 105019-105029	3.5	6
128	A Study on Performance Characterization Considering Six-Degree-of-Freedom Vibration Stress and Aging Stress for Electric Vehicle Battery Under Driving Conditions. <i>IEEE Access</i> , 2019 , 7, 112180-112190	3.5	2
127	Integrated Configuration and Optimization of Electric Vehicle Aggregators for Charging Facilities in Power Networks With Renewables. <i>IEEE Access</i> , 2019 , 7, 84690-84700	3.5	6
126	The small signal stability region of power systems with time delay 2019 , 143-162		
125	A Simple Operation Approach for Modular Multilevel Converter Under Grid Voltage Swell in Medium-Voltage Microgrids. <i>IEEE Access</i> , 2019 , 7, 147280-147291	3.5	3
124	Research on Modeling and Hierarchical Scheduling of a Generalized Multi-Source Energy Storage System in an Integrated Energy Distribution System. <i>Energies</i> , 2019 , 12, 246	3.1	2
123	Reliability modeling for Integrated Community Energy System considering dynamic process of thermal loads. <i>IET Energy Systems Integration</i> , 2019 , 1, 173-183	3.3	18
122	A Novel Fault-Tolerant Control Method for Modular Multilevel Converter with an Improved Phase Disposition Level-Shifted PWM 2019 ,		1
121	PadEBased Stability Analysis for a Modular Multilevel Converter Considering the Time Delay in the Digital Control System. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 5242-5253	8.9	18
120	Renewable Energy Utilization and Energy Conservation in Thermal and Power Systems for China's Sustainable Energy Future. <i>Journal of Energy Engineering - ASCE</i> , 2019 , 145, 02018001	1.7	3
119	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

118	A two-stage multi-objective scheduling method for integrated community energy system. <i>Applied Energy</i> , 2018 , 216, 428-441	10.7	44
117	Load curve smoothing strategy based on unified state model of different demand side resources. <i>Journal of Modern Power Systems and Clean Energy</i> , 2018 , 6, 540-554	4	15
116	An Incremental Reliability Assessment Approach for Transmission Expansion Planning. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 2597-2609	7	15
115	Maximum entropy based probabilistic load flow calculation for power system integrated with wind power generation. <i>Journal of Modern Power Systems and Clean Energy</i> , 2018 , 6, 1042-1054	4	6
114	A Reliability Assessment Approach for Integrated Transportation and Electrical Power Systems Incorporating Electric Vehicles. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 88-100	10.7	39
113	Data-Driven Dynamic Modeling of Coupled Thermal and Electric Outputs of Microturbines. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 1387-1396	10.7	10
112	Coordinated control for EV aggregators and power plants in frequency regulation considering time-varying delays. <i>Applied Energy</i> , 2018 , 210, 1363-1376	10.7	56
111	Time-Delay Stability Analysis for Hybrid Energy Storage System With Hierarchical Control in DC Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 6633-6645	10.7	40
110	Multichannel continuous wavelet transform approach to estimate electromechanical oscillation modes, mode shapes and coherent groups from synchrophasors in bulk power grids. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 96, 222-237	5.1	9
109	A new reliability assessment approach for integrated energy systems: Using hierarchical decoupling optimization framework and impact-increment based state enumeration method. <i>Applied Energy</i> , 2018 , 210, 1237-1250	10.7	61
108	Review of key problems related to integrated energy distribution systems. <i>CSEE Journal of Power and Energy Systems</i> , 2018 , 4, 130-145	2.3	77
107	A Reliability Assessment Approach for Integrated Community Energy System Based on Hierarchical Decoupling Optimization Framework 2018 ,		2
106	Stability Analysis for the DC Microgrid of Chained Communication Network with Cluster Treatment of Characteristic Roots Paradigm. <i>Energy Procedia</i> , 2018 , 145, 394-399	2.3	1
105	Multiple Time-delay Stability Analysis for the DC-Microgrid Cluster with Distributed Control. <i>Energy Procedia</i> , 2018 , 145, 446-451	2.3	2
104	Estimating electromechanical oscillation modes from synchrophasor measurements in China Southern Power Grid. <i>Electric Power Systems Research</i> , 2018 , 161, 212-223	3.5	3
103	Time-delay stability switching boundary determination for DC microgrid clusters with the distributed control framework. <i>Applied Energy</i> , 2018 , 228, 189-204	10.7	14
102	Impact-increment based decoupled reliability assessment approach for composite generation and transmission systems. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 586-595	2.5	12
101	Estimating electromechanical oscillation modes from synchrophasor measurements in bulk power grids using FSSI. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 2347-2358	2.5	5

100	Active power regulation for large-scale wind farms through an efficient power plant model of electric vehicles. <i>Applied Energy</i> , 2017 , 185, 1673-1683	10.7	46
99	Spectral clustering-based partitioning of volt/VAR control areas in bulk power systems. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 1126-1133	2.5	15
98	Stochastic Scheduling of Integrated Energy Systems Considering Wind Power and Multienergy Loads Uncertainties. <i>Journal of Energy Engineering - ASCE</i> , 2017 , 143, 04017031	1.7	9
97	Wide-area measurement-based voltage stability sensitivity and its application in voltage control. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 88, 87-98	5.1	18
96	Hierarchical microgrid energy management in an office building. <i>Applied Energy</i> , 2017 , 208, 480-494	10.7	85
95	Parallel interlinking PWM current source converter for hybrid AC/DC microgrids 2017 ,		1
94	Study on day-ahead optimal economic operation of active distribution networks based on Kriging model assisted particle swarm optimization with constraint handling techniques. <i>Applied Energy</i> , 2017 , 204, 143-162	10.7	25
93	Spatial-temporal decomposition approach for systematically tracking dominant modes, mode shapes and coherent groups in power systems. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 1889-1900	2.5	6
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	Effective method to determine time-delay stability margin and its application to power systems. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 1661-1670	2.5	18
90	Dynamic economic dispatch of a hybrid energy microgrid considering building based virtual energy storage system. <i>Applied Energy</i> , 2017 , 194, 386-398	10.7	125
89	Identification of microturbine model for long-term dynamic analysis of distribution networks. <i>Applied Energy</i> , 2017 , 192, 305-314	10.7	8
88	DC Microgrid Stability Analysis Considering Time Delay in the Distributed Control. <i>Energy Procedia</i> , 2017 , 142, 2126-2131	2.3	9
87	A computational approach for modeling, evaluating and optimizing the reliability of integrated community energy systems 2017 ,		2
86	A new demand response algorithm to maximize renewable energy usage for grid-connect microgrid. <i>Energy Procedia</i> , 2017 , 142, 2120-2125	2.3	1
85	A quantified resilience assessment approach for electrical power systems considering multiple transmission line outages 2017 ,		5
84	Model predictive control based scheduling method for a building microgrid 2017 ,		2
83	An impact-increment based Monte Carlo simulation reliability assessment approach for transmission systems 2017 ,		1

82	Current balancing control for multi-port hybrid AC/DC microgrid 2017 ,		4
81	Implications of Gas Infrastructure in Integrated Community Energy Systems. <i>Journal of Energy Engineering - ASCE</i> , 2017 , 143, 04017053	1.7	4
80	QV interaction evaluation and pilot voltage-reactive power coupling area partitioning in bulk power systems. <i>IET Science, Measurement and Technology</i> , 2017 , 11, 270-278	1.5	5
79	Frequency Control Ancillary Service Provided by Efficient Power Plants Integrated in Queuing-Controlled Domestic Water Heaters. <i>Energies</i> , 2017 , 10, 559	3.1	6
78	Performance Evaluation of a Hydrogen-Based Clean Energy Hub with Electrolyzers as a Self-Regulating Demand Response Management Mechanism. <i>Energies</i> , 2017 , 10, 1211	3.1	6
77	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
76	A Kriging Model Based Optimization of Active Distribution Networks Considering Loss Reduction and Voltage Profile Improvement. <i>Energies</i> , 2017 , 10, 2162	3.1	7
75	Synchrophasor measurement-based correlation approach for dominant mode identification in bulk power systems. <i>IET Generation, Transmission and Distribution</i> , 2016 , 10, 2710-2719	2.5	13
74	Partition-composition method for online detection of interconnected power system transient stability. <i>IET Generation, Transmission and Distribution</i> , 2016 , 10, 3529-3538	2.5	7
73	Integrated optimal power flow for distribution networks in local and urban scales 2016 ,		1
72	Partitioning voltage stability critical injection regions via electrical network response and dynamic relative gain 2016 ,		2
71	Optimal scheduling approach for a combined cooling, heating and power building microgrid considering virtual storage system 2016 ,		7
70	Planning of Fast EV Charging Stations on a Round Freeway. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 1452-1461	8.2	86
69	A Continuous Time Markov Chain Based Sequential Analytical Approach for Composite Power System Reliability Assessment. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 738-748	7	46
68	Projection Pursuit: A General Methodology of Wide-Area Coherency Detection in Bulk Power Grid. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 2776-2786	7	31
67	Dynamic frequency response from electric vehicles considering travelling behavior in the Great Britain power system. <i>Applied Energy</i> , 2016 , 162, 966-979	10.7	70
66	Volt-VAR interaction evaluation in bulk power systems 2016 ,		1
65	Confidence interval estimates for loading margin sensitivity for voltage stability monitoring in the presence of renewable energy 2016 ,		3

64	A volt-var optimal control for power system integrated with wind farms considering the available reactive power from EV chargers 2016 ,		3
63	Composite generation and transmission system reliability assessment using impact increment-based state enumeration method 2016 ,		3
62	Identification of voltage stability critical injection region in bulk power systems based on the relative gain of voltage coupling. <i>IET Generation, Transmission and Distribution</i> , 2016 , 10, 1495-1503	2.5	15
61	A Novel Dominant Mode Estimation Method for Analyzing Inter-Area Oscillation in China Southern Power Grid. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 2549-2560	10.7	27
60	An Optimal Scheduling Model for a Hybrid Energy Microgrid Considering Building Based Virtual Energy Storage System. <i>Energy Procedia</i> , 2016 , 88, 375-381	2.3	3
59	Estimating inter-area dominant oscillation mode in bulk power grid using multi-channel continuous wavelet transform. <i>Journal of Modern Power Systems and Clean Energy</i> , 2016 , 4, 394-405	4	9
58	Optimal day-ahead scheduling of integrated urban energy systems. <i>Applied Energy</i> , 2016 , 180, 1-13	10.7	88
57	A preventive control strategy for static voltage stability based on an efficient power plant model of electric vehicles. <i>Journal of Modern Power Systems and Clean Energy</i> , 2015 , 3, 103-113	4	18
56	Dynamic frequency response from electric vehicles in the Great Britain power system. <i>Journal of Modern Power Systems and Clean Energy</i> , 2015 , 3, 203-211	4	16
55	Hierarchical management for integrated community energy systems. <i>Applied Energy</i> , 2015 , 160, 231-243	10.7	84
54	Real-time wide-area loading margin sensitivity (WALMS) in power systems 2015 ,		6
53	A Communication Performance Evaluation on Smoothing Power Fluctuations Based on Demand Response Control of Thermostatically-controlled Appliances. <i>Energy Procedia</i> , 2015 , 75, 1673-1678	2.3	2
52	. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 1084-1093	7	46
51	A directional control method for interface flow considering static voltage stability. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 64, 176-184	5.1	1
50	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	
49	Stochastic subspace identification-based approach for tracking inter-area oscillatory modes in bulk power system utilising synchrophasor measurements. <i>IET Generation, Transmission and Distribution</i> , 2015 , 9, 2409-2418	2.5	25
48	Maturity assessment model of smart grid project 2015 ,		2
47	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

46	Hierarchical energy management system for multi-source multi-product microgrids. <i>Renewable Energy</i> , 2015 , 78, 621-630	8.1	66
45	Criterion to evaluate power system online transient stability based on adjoint system energy function. <i>IET Generation, Transmission and Distribution</i> , 2015 , 9, 104-112	2.5	19
44	Dynamic Modeling and Interaction of Hybrid Natural Gas and Electricity Supply System in Microgrid. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 1212-1221	7	83
43	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
42	A Spatial-Temporal model for grid impact analysis of plug-in electric vehicles. <i>Applied Energy</i> , 2014 , 114, 456-465	10.7	219
41	Power system operation risk analysis considering charging load self-management of plug-in hybrid electric vehicles. <i>Applied Energy</i> , 2014 , 136, 662-670	10.7	17
40	A novel LMI criterion for power system stability with multiple time-delays. <i>Science China Technological Sciences</i> , 2014 , 57, 1392-1400	3.5	10
39	A multi-level service restoration strategy of distribution network considering microgrids and electric vehicles 2014 ,		5
38	Cutset-angle based wide area thermal security region and its application in China Southern Power Grid. <i>International Transactions on Electrical Energy Systems</i> , 2014 , 24, 1600-1617	2.2	5
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