Canbing Li

List of Publications by Year
in descending order

157 papers	5,569 citations	101496 36 h-index	88593 70 g-index
158 all docs	158 docs citations	158 times ranked	5394 citing authors

#	ARTICLE	IF	CITATIONS
1	Active Fault Current Limitation for Low-Voltage Ride-Through of Networked Microgrids. IEEE Transactions on Power Delivery, 2022, 37, 980-992.	2.9	7
2	Optimal Coordinated Control of Multi-Renewable-to-Hydrogen Production System for Hydrogen Fueling Stations. IEEE Transactions on Industry Applications, 2022, 58, 2728-2739.	3.3	92
3	Distributed Coordinated Voltage Control for Distribution Networks With DG and OLTC Based on MPC and Gradient Projection. IEEE Transactions on Power Systems, 2022, 37, 680-690.	4.6	30
4	SoC threshold optimization for battery storage in frequency regulation considering uncertainty of SoC measurement and automatic generation control fatigue loss of thermal power system. International Journal of Electrical Power and Energy Systems, 2022, 137, 107771.	3.3	3
5	Distributed optimal voltage control strategy for AC grid with DC connection and offshore wind farms based on ADMM. International Journal of Electrical Power and Energy Systems, 2022, 137, 107802.	3.3	6
6	Liquid cooling system for battery modules with boron nitride based thermal conductivity silicone grease. RSC Advances, 2022, 12, 4311-4321.	1.7	4
7	Structure, phase composition, and microwave dielectric properties of Ba16SnNb12O48 ceramic. Journal of Materials Science, 2022, 57, 5577-5585.	1.7	2
8	Optimal planning of local biomass-based integrated energy system considering anaerobic co-digestion. Applied Energy, 2022, 316, 119075.	5.1	16
9	Multi-Objective Control of Residential HVAC Loads for Balancing the User's Comfort With the Frequency Regulation Performance. IEEE Transactions on Smart Grid, 2022, 13, 3546-3557.	6.2	14
10	Hierarchical Event-Triggered MPC-Based Coordinated Control for HVRT and Voltage Restoration of Large-Scale Wind Farm. IEEE Transactions on Sustainable Energy, 2022, 13, 1819-1829.	5.9	8
11	ADMM-based Distributed Active and Reactive Power Control for Regional AC Power Grid with Wind Farms. Journal of Modern Power Systems and Clean Energy, 2022, 10, 588-596.	3.3	12
12	Developing low-loss and temperature-stable $Ba_n(Zr,Nb)_{n-1}O_{3n}$ (n = 7, 8) microwave dielectric ceramics by investigating the relationship between the structure and properties. Inorganic Chemistry Frontiers, 2022, 9, 4442-4451.	3.0	4
13	Optimal Coordination of Electric Vehicles for Virtual Power Plants With Dynamic Communication Spectrum Allocation. IEEE Transactions on Industrial Informatics, 2021, 17, 450-462.	7.2	42
14	Peer-to-Peer Multienergy and Communication Resource Trading for Interconnected Microgrids. IEEE Transactions on Industrial Informatics, 2021, 17, 2522-2533.	7.2	74
15	Compatible Decentralized Control of AVR and PSS for Improving Power System Stability. IEEE Systems Journal, 2021, 15, 2410-2419.	2.9	7
16	MPC-based DC-link voltage control for enhanced high-voltage ride-through of offshore DFIG wind turbine. International Journal of Electrical Power and Energy Systems, 2021, 126, 106591.	3.3	22
17	Multistage Expansion Planning of Integrated Biogas and Electric Power Delivery System Considering the Regional Availability of Biomass. IEEE Transactions on Sustainable Energy, 2021, 12, 920-930.	5.9	25
18	Multi-Stage Voltage Support Optimization for Microgrids With Multiple Distributed Generation Units. IEEE Transactions on Smart Grid, 2021, 12, 141-156.	6.2	13

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19	Hierarchical Bipartite Graph Matching Method for Transactive V2V Power Exchange in Distribution Power System. IEEE Transactions on Smart Grid, 2021, 12, 301-311.	6.2	31
20	Dynamic modeling and coordinated multi-energy management for a sustainable biogas-dominated energy hub. Energy, 2021, 220, 119640.	4.5	27
21	A per-unit curve rotated decoupling method for CNN-TCN based day-ahead load forecasting. IET Generation, Transmission and Distribution, 2021, 15, 2773-2786.	1.4	11
22	A trusted energy trading framework by marrying blockchain and optimization. Advances in Applied Energy, 2021, 2, 100029.	6.6	53
23	A novel solution for fault current suppression in transmission systems based on fault current splitters. Electric Power Systems Research, 2021, 194, 107050.	2.1	2
24	Coordinated Droop Control and Adaptive Model Predictive Control for Enhancing HVRT and Post-Event Recovery of Large-Scale Wind Farm. IEEE Transactions on Sustainable Energy, 2021, 12, 1549-1560.	5.9	24
25	Two-Stage Full-Data Processing for Microgrid Planning With High Penetrations of Renewable Energy Sources. IEEE Transactions on Sustainable Energy, 2021, 12, 2042-2052.	5.9	23
26	Joining resilience and reliability evaluation against both weather and ageing causes. Renewable and Sustainable Energy Reviews, 2021, 152, 111665.	8.2	6
27	Flexible Composite Phase-Change Material with Shape Recovery and Antileakage Properties for Battery Thermal Management. ACS Applied Energy Materials, 2021, 4, 13890-13902.	2.5	11
28	Electrical DebtRank Algorithm-Based Identification of Vulnerable Transmission Lines in Power Systems. Frontiers in Energy Research, 2021, 9, .	1.2	0
29	Coordinated Frequency Control Strategy of PMSG-Based Offshore Wind Farm Connected by VSC-HVDC System. , 2021, , .		0
30	Coordinated Optimization Model of the Wind Power Plant with Hydrogen Storage System and Demand Response. , 2021, , .		2
31	Double-Time-Scale Coordinated Voltage Control in Active Distribution Networks Based on MPC. IEEE Transactions on Sustainable Energy, 2020, 11, 294-303.	5.9	60
32	Distributed Voltage Control Based on ADMM for Large-Scale Wind Farm Cluster Connected to VSC-HVDC. IEEE Transactions on Sustainable Energy, 2020, 11, 584-594.	5.9	47
33	Optimal Planning of Islanded Integrated Energy System With Solar-Biogas Energy Supply. IEEE Transactions on Sustainable Energy, 2020, 11, 2437-2448.	5.9	70
34	Distributed Multi-Energy Operation of Coupled Electricity, Heating, and Natural Gas Networks. IEEE Transactions on Sustainable Energy, 2020, 11, 2457-2469.	5.9	223
35	Simplified Identification Strategy of Load Model Based on Global Sensitivity Analysis. IEEE Access, 2020, 8, 131545-131552.	2.6	10
36	Impacts of international trade on global sustainable development. Nature Sustainability, 2020, 3, 964-971.	11.5	150

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37	Coordinated Voltage Control of Offshore Wind Farms Combined with AC Grid based on OPF-MPC Method. , 2020, , .		0
38	An Adaptive Control Method for Improving Voltage and Frequency Stability of Wind-Thermal Bundled System. IEEE Access, 2020, 8, 179415-179423.	2.6	3
39	Dual Hidden Failure Model for Cyber Physical Power System. IEEE Access, 2020, 8, 186148-186156.	2.6	1
40	Simplified and fast method without considering filter for voltage flicker detection. IET Generation, Transmission and Distribution, 2020, 14, 3260-3268.	1.4	2
41	Integrated Modelling and Enhanced Utilization of Power-to-Ammonia for High Renewable Penetrated Multi-Energy Systems. IEEE Transactions on Power Systems, 2020, 35, 4769-4780.	4.6	66
42	Taxonomy research of artificial intelligence for deterministic solar power forecasting. Energy Conversion and Management, 2020, 214, 112909.	4.4	186
43	Distributed Online VAR Control for Unbalanced Distribution Networks With Photovoltaic Generation. IEEE Transactions on Smart Grid, 2020, 11, 4760-4772.	6.2	23
44	ADMM-based market clearing and optimal flexibility bidding of distribution-level flexibility market for day-ahead congestion management of distribution networks. International Journal of Electrical Power and Energy Systems, 2020, 123, 106266.	3.3	31
45	Many-criteria optimality of coordinated demand response with heterogeneous households. Energy, 2020, 207, 118267.	4.5	12
46	Fault Current Mitigation and Voltage Support Provision by Microgrids With Synchronous Generators. IEEE Transactions on Smart Grid, 2020, 11, 2816-2831.	6.2	5
47	Thermodynamic modelling of buried transformer substations for dynamic loading capability assessment considering underground heat accumulative effect. International Journal of Electrical Power and Energy Systems, 2020, 121, 106153.	3.3	7
48	Hierarchical dispatching method based on Hungarian algorithm for reducing the battery degradation cost of EVs participating in frequency regulation. IET Generation, Transmission and Distribution, 2020, 14, 5617-5625.	1.4	6
49	Decentralized Voltage and Power Control of Multi-Machine Power Systems With Global Asymptotic Stability. IEEE Access, 2019, 7, 14273-14282.	2.6	21
50	Economic dispatch model for wind power integrated system considering the dispatchability of power to gas. IET Generation, Transmission and Distribution, 2019, 13, 1535-1544.	1.4	17
51	Network constrained economic dispatch of integrated heat and electricity systems through mixed integer conic programming. Energy, 2019, 179, 464-474.	4.5	46
52	Dynamic Data Injection Attack Detection of Cyber Physical Power Systems With Uncertainties. IEEE Transactions on Industrial Informatics, 2019, 15, 5505-5518.	7.2	71
53	Short-Term Reliability Assessment for Islanded Microgrid Based on Time-Varying Probability Ordered Tree Screening Algorithm. IEEE Access, 2019, 7, 37324-37333.	2.6	18
54	Fault Current Hierarchical Limitation Strategy for Fault Ride-Through Scheme of Microgrid. IEEE Transactions on Smart Grid, 2019, 10, 6566-6579.	6.2	33

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55	Static Security Risk Assessment for Islanded Hybrid AC/DC Microgrid. IEEE Access, 2019, 7, 37545-37554.	2.6	15
56	Optimal dispatch for participation of electric vehicles in frequency regulation based on area control error and area regulation requirement. Applied Energy, 2019, 240, 46-55.	5.1	58
57	Fault Modeling and Characteristic Analysis of Offshore Wind Turbines with Doubly Fed Induction Generator. , 2019, , .		0
58	Multiple Attribute Decision Model for Interval Number Sequence Correlation Analysis of Grid Investment. , 2019, , .		0
59	Multiâ€objective optimisation operation of thermostatically controllable appliances for voltage management in lowâ€voltage distribution networks. IET Generation, Transmission and Distribution, 2019, 13, 4767-4777.	1.4	12
60	An optimal selfâ€excited heating method for biogas production under cold climate. Journal of Engineering, 2019, 2019, 5094-5098.	0.6	1
61	Optimal operating control strategy for biogas generation under electricity spot market. Journal of Engineering, 2019, 2019, 5183-5186.	0.6	6
62	Transactive Real-Time Electric Vehicle Charging Management for Commercial Buildings With PV On-Site Generation. IEEE Transactions on Smart Grid, 2019, 10, 4939-4950.	6.2	98
63	Distributed Multienergy Coordination of Multimicrogrids With Biogas-Solar-Wind Renewables. IEEE Transactions on Industrial Informatics, 2019, 15, 3254-3266.	7.2	73
64	Flexible Voltage Control Strategy Considering Distributed Energy Storages for DC Distribution Network. IEEE Transactions on Smart Grid, 2019, 10, 163-172.	6.2	124
65	Distributed Optimization-Based Dynamic Tariff for Congestion Management in Distribution Networks. IEEE Transactions on Smart Grid, 2019, 10, 184-192.	6.2	39
66	A Fast Sensitivity-Based Preventive Control Selection Method for Online Voltage Stability Assessment. IEEE Transactions on Power Systems, 2018, 33, 4189-4196.	4.6	22
67	Asynchronous Method for Frequency Regulation by Dispersed Plug-in Electric Vehicles. International Journal of Emerging Electric Power Systems, 2018, 19, .	0.6	2
68	Sparsity Prevention Pivoting Method for Linear Programming. IEEE Access, 2018, 6, 19560-19567.	2.6	0
69	The Reasonable Range of Life Cycle Utilization Rate of Distribution Network Equipment. IEEE Access, 2018, 6, 23948-23959.	2.6	17
70	Comprehensive Power Losses Model for Electronic Power Transformer. IEEE Access, 2018, 6, 14926-14934.	2.6	20
71	A Distributed Short-Term Load Forecasting Method Based on Local Weather Information. IEEE Systems Journal, 2018, 12, 208-215.	2.9	56
72	EV Dispatch Control for Supplementary Frequency Regulation Considering the Expectation of EV Owners. IEEE Transactions on Smart Grid, 2018, 9, 3763-3772.	6.2	119

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73	Multiobjective Generation Portfolio of Hybrid Energy Generating Station for Mobile Emergency Power Supplies. IEEE Transactions on Smart Grid, 2018, 9, 5786-5797.	6.2	35
74	Fractal Characteristics Analysis of Blackouts in Interconnected Power Grid. IEEE Transactions on Power Systems, 2018, 33, 1085-1086.	4.6	22
75	Multiobjective Model of Time-of-Use and Stepwise Power Tariff for Residential Consumers in Regulated Power Markets. IEEE Systems Journal, 2018, 12, 2676-2687.	2.9	24
76	An Improved Modulation Scheme of Current-Fed Bidirectional DCâ€"DC Converters For Loss Reduction. IEEE Transactions on Power Electronics, 2018, 33, 4441-4457.	5.4	64
77	A coordinated energy security model taking strategic petroleum reserve and alternative fuels into consideration. Energy, 2018, 145, 171-181.	4.5	21
78	An Optimal Coordinated Method for EVs Participating in Frequency Regulation Under Different Power System Operation States. IEEE Access, 2018, 6, 62756-62765.	2.6	24
79	Solution of interval reactive power optimization model through defining security limits. , 2018, , .		0
80	A Model of Grid Branches Segmentation Differentiated Planning Considering Risk. , 2018, , .		0
81	A comparative study on grid resource utilization rate between China Southern Power Grid and National Grid Plc of UK. Protection and Control of Modern Power Systems, 2018, 3, .	4.3	6
82	Substation Capacity Planning Method Considering Interruptible Load. , 2018, , .		2
83	Review of Service Restoration Methods in Distribution Networks. , 2018, , .		17
84	Evaluation Method of Distribution Network Resilience Focusing on Critical Loads. IEEE Access, 2018, 6, 61633-61639.	2.6	34
85	Energy Hubâ€™s Structural and Operational Optimization for Minimal Energy Usage Costs in Energy Systems. Energies, 2018, 11, 707.	1.6	22
86	Robust Optimal Reactive Power Dispatch With Feedback and Correction Against Uncertainty of Transmission Line Parameters. IEEE Access, 2018, 6, 39452-39465.	2.6	4
87	Dynamic Similar Sub-Series Selection Method for Time Series Forecasting. IEEE Access, 2018, 6, 32532-32542.	2.6	12
88	Secondary Frequency Regulation Strategy With Fuzzy Logic Method and Self-Adaptive Modification of State of Charge. IEEE Access, 2018, 6, 43575-43585.	2.6	18
89	Enabling strategies of electric vehicles for under frequency load shedding. Applied Energy, 2018, 228, 843-851.	5.1	23
90	Optimal Scheduling of Biogasâ€"Solarâ€"Wind Renewable Portfolio for Multicarrier Energy Supplies. IEEE Transactions on Power Systems, 2018, 33, 6229-6239.	4.6	138

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91	A Hybrid Control Strategy to Support Voltage in Industrial Active Distribution Networks. IEEE Transactions on Power Delivery, 2018, 33, 2590-2602.	2.9	11
92	Reactive Power Strategy of Cascaded Delta-Connected STATCOM Under Asymmetrical Voltage Conditions. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 784-795.	3.7	37
93	A two-stage framework for multiobjective energy management in distribution networks with a high penetration of wind energy. Energy, 2017, 135, 754-766.	4.5	26
94	Series Zâ€source and nineâ€switch dualâ€output inverter stage twoâ€stage matrix converter. IET Power Electronics, 2017, 10, 143-150.	1.5	3
95	Harmonic voltage compensation control strategy for droop-controlled inverter in islanded/grid-connected mode. , 2017, , .		2
96	Design of 10kv full buried box-type substation. , 2017, , .		0
97	Study on the steady-state reactive power compensation of half-wavelength transmission lines considering the influences of the equivalent power supply impedance. , 2017, , .		0
98	Differentiated Planning Model of Smart gird Considering Black-Start Power Sources. , 2017, , .		1
99	Research and application of subtilized customer clustering algorithm in power marketing. , 2017, , .		1
100	Optimization model of ramp-capability reserve considering maximum fluctuation of load in short time-scale. , 2017, , .		0
101	Prediction of PV output based on local mean decomposition under limited information. , 2017, , .		3
102	A coordinated control strategy for suppressing transient power fluctuation of power conversion system and stabilizing AC bus voltage. , 2017, , .		1
103	Identification of time elasticity of load based on analytic hierarchy process. , 2017, , .		0
104	A Two-Stage Stochastic Programming Approach Considering Risk Level for Distribution Networks Operation With Wind Power. IEEE Systems Journal, 2016, 10, 117-126.	2.9	26
105	Aggregator-Based Interactive Charging Management System for Electric Vehicle Charging. Energies, 2016, 9, 159.	1.6	29
106	Voltage support for industrial distribution network by using positive/negative sequence passivity-based control. , 2016, , .		1
107	Differentiated planning in disaster ensuring power supply for special loads. , 2016, , .		0
108	Energy sustainability under the framework of telecoupling. Energy, 2016, 106, 253-259.	4.5	41

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109	Cost analysis of air capture driven by wind energy under different scenarios. Journal of Modern Power Systems and Clean Energy, 2016, 4, 275-281.	3.3	2
110	A review of renewable energy utilization in islands. Renewable and Sustainable Energy Reviews, 2016, 59, 504-513.	8.2	331
111	Optimizing energy consumption for data centers. Renewable and Sustainable Energy Reviews, 2016, 58, 674-691.	8.2	234
112	Optimal scheduling of virtual power plant with battery degradation cost. IET Generation, Transmission and Distribution, 2016, 10, 712-725.	1.4	87
113	The contributions of cloud technologies to smart grid. Renewable and Sustainable Energy Reviews, 2016, 59, 1326-1331.	8.2	53
114	Influences of Electric Vehicles on Power System and Key Technologies of Vehicle-to-Grid. Power Systems, 2016, , .	0.3	15
115	A Time-Scale Adaptive Dispatch Method for Renewable Energy Power Supply Systems on Islands. IEEE Transactions on Smart Grid, 2016, 7, 1069-1078.	6.2	18
116	Assessment Method and Indexes of Operating States Classification for Distribution System With Distributed Generations. IEEE Transactions on Smart Grid, 2016, 7, 481-490.	6.2	31
117	The Response of EV Charging Loads to TOU Price. Power Systems, 2016, , 25-36.	0.3	2
118	Influences of EVs on Power System by Improving the Microclimate. Power Systems, 2016, , 1-23.	0.3	0
119	The Asynchronous Response of Small-Scale Charging Facilities to Grid Frequency. Power Systems, 2016, , 73-85.	0.3	1
120	The Response of Large-Scale EV Charging Loads to Frequency. Power Systems, 2016, , 49-71.	0.3	1
121	The Response of EV Charging Load to the Grid Voltage. Power Systems, 2016, , 37-48.	0.3	1
122	â€œSection to Pointâ€•Correction Method for Wind Power Forecasting Based on Cloud Theory. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	0
123	Modeling and optimal operation of carbon capture from the air driven by intermittent and volatile wind power. Energy, 2015, 87, 201-211.	4.5	30
124	Hidden Benefits of Electric Vehicles for Addressing Climate Change. Scientific Reports, 2015, 5, 9213.	1.6	50
125	Credibility forecasting in shortâ€term load forecasting and its application. IET Generation, Transmission and Distribution, 2015, 9, 1564-1571.	1.4	9
126	Hybrid islanding detection method based on decision tree and positive feedback for distributed generations. IET Generation, Transmission and Distribution, 2015, 9, 1819-1825.	1.4	23

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127	Utilization efficiency of electrical equipment within life cycle assessment: Indexes, analysis and a case. Energy, 2015, 88, 885-896.	4.5	14
128	Microgrid stochastic economic load dispatch based on two-point estimate method and improved particle swarm optimization. International Transactions on Electrical Energy Systems, 2015, 25, 2144-2164.	1.2	26
129	Comprehensive review of renewable energy curtailment and avoidance: A specific example in China. Renewable and Sustainable Energy Reviews, 2015, 41, 1067-1079.	8.2	151
130	A Multisource Retrospective Audit Method for Data Quality Optimization and Evaluation. International Journal of Distributed Sensor Networks, 2015, 2015, 1-8.	1.3	2
131	Method for evaluating the importance of power grid nodes based on PageRank algorithm. IET Generation, Transmission and Distribution, 2014, 8, 1843-1847.	1.4	37
132	Graphics model analysis for the grid equipment condition-based maintenance. , 2014, , .		1
133	How Smart Grid Contributes to Energy Sustainability. Energy Procedia, 2014, 61, 858-861.	1.8	17
134	Coordinated control for large-scale EV charging facilities and energy storage devices participating in frequency regulation. Applied Energy, 2014, 123, 253-262.	5.1	146
135	Interaction between urban microclimate and electric air-conditioning energy consumption during high temperature season. Applied Energy, 2014, 117, 149-156.	5.1	108
136	Carbon emission reduction potential of rural energy in China. Renewable and Sustainable Energy Reviews, 2014, 29, 254-262.	8.2	40
137	A review of islanding detection methods for microgrid. Renewable and Sustainable Energy Reviews, 2014, 35, 211-220.	8.2	199
138	Optimal allocation of multi-type FACTS devices in power systems based on power flow entropy. Journal of Modern Power Systems and Clean Energy, 2014, 2, 173-180.	3.3	32
139	Chance-Constrained Optimization-Based Unbalanced Optimal Power Flow for Radial Distribution Networks. IEEE Transactions on Power Delivery, 2013, 28, 1855-1864.	2.9	65
140	Recent progress of SiC power devices and applications. IEEJ Transactions on Electrical and Electronic Engineering, 2013, 8, 515-521.	0.8	11
141	Synergistic and priority control for electric vehicles power allocation in participating in AGC. , 2013, , .		5
142	Consumer electrical equipment asynchronous and coordinating response for frequency regulation. , 2013, , .		0
143	Review of the impact of electric vehicles participating in frequency regulation on power grid. , 2013, , .		6
144	What's the difference between traditional power grid and smart grid? &#x2014; From dispatching perspective. , 2013, , .		23

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145	A New Stepwise Power Tariff Model and Its Application for Residential Consumers in Regulated Electricity Markets. IEEE Transactions on Power Systems, 2013, 28, 300-308.	4.6	49
146	A Heuristic Feature Selection Approach for Text Categorization by Using Chaos Optimization and Genetic Algorithm. Mathematical Problems in Engineering, 2013, 2013, 1-6.	0.6	48
147	China's valuable experiences in defending large-scale and long-time blackouts. , 2013, , .		6
148	Forecasting of load model based on typical daily load profile and BP neural network. Proceedings of SPIE, 2013, , .	0.8	1
149	Energy management system architecture for new energy power supply system of islands. , 2012, , .		3
150	Credibility assessment of short-term load forecast in power system. , 2012, , .		0
151	Social Benefits Calculation of Wind Power in the Last Year of Twelfth Five-Year Plan for China. , 2012, , .		1
152	An Optimized EV Charging Model Considering TOU Price and SOC Curve. IEEE Transactions on Smart Grid, 2012, 3, 388-393.	6.2	687
153	Common voltage eliminating of SVM diode clamping three-level inverter connected to grid. , 2011, , .		1
154	A Novel Probabilistic Short-Term Load Forecasting Method for Large Power Grid. , 2010, , .		3
155	Discussion on energy-saving taking urban heat island effect into account. , 2010, , .		1
156	Novel approach to assess local market power considering transmission constraints. International Journal of Electrical Power and Energy Systems, 2008, 30, 39-45.	3.3	9
157	Structural dependence of microwave dielectric properties of Ca3MgSi2O8 ceramics. Journal of Materials Science, 0, , .	1.7	0