

Shengwei Mei

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.

234 papers	3,816 citations	35 h-index	52 g-index
303 ext. papers	5,051 ext. citations	5.4 avg, IF	6.08 L-index

#	Paper	IF	Citations
234	Online Coordination of LNG Tube Trailer Dispatch and Resilience Restoration of Integrated Power-Gas Distribution Systems. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1	10.7	1
233	Sizing Renewable Generation and Energy Storage in Stand-Alone Microgrids Considering Distributionally Robust Shortfall Risk. <i>IEEE Transactions on Power Systems</i> , 2022 , 1-1	7	1
232	Admissible Region of Renewable Generation Ensuring Power Flow Solvability in Distribution Networks. <i>IEEE Systems Journal</i> , 2022 , 1-11	4.3	
231	Multi-mode optimal operation of advanced adiabatic compressed air energy storage: Explore its value with condenser operation. <i>Energy</i> , 2022 , 248, 123600	7.9	0
230	Economic Optimization Dispatch Model of a Micro-Network with a Solar-Assisted Compressed Air Energy Storage Hub, with Consideration of Its Operationally Feasible Region. <i>Processes</i> , 2022 , 10, 963	2.9	
229	Preallocation of Electric Buses for Resilient Restoration of Distribution Network: A Data-Driven Robust Stochastic Optimization Method. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	3
228	Electricity-Heat-Hydrogen Modeling of Hydrogen Storage System Considering Off-Design Characteristics. <i>IEEE Access</i> , 2021 , 9, 156768-156777	3.5	2
227	Observer Design for One-sided Lipschitz Uncertain Descriptor Systems with Time-varying Delay and Nonlinear Uncertainties. <i>Circuits, Systems, and Signal Processing</i> , 2021 , 40, 4779-4798	2.2	2
226	. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 2484-2495	10.7	6
225	Resilient Restoration of Distribution Systems in Coordination With Electric Bus Scheduling. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 3314-3325	10.7	14
224	. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 1937-1947	11.9	3
223	. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 874-885	8.2	16
222	Cyber-Physical Coordinated Risk Mitigation in Smart Grids Based on Attack-Defense Game. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	2
221	Real-Time Self-Dispatch of a Remote Wind-Storage Integrated Power Plant without Predictions: Explicit Policy and Performance Guarantee. <i>IEEE Open Access Journal of Power and Energy</i> , 2021 , 1-1	3.8	2
220	Parametric Distribution Optimal Power Flow With Variable Renewable Generation. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	0
219	Enhancement in photoelectric performance of dye-sensitized solar cells with inverted pyramid structures based on nanoimprint lithography. <i>AIP Advances</i> , 2021 , 11, 075103	1.5	0
218	Online distributed tracking of generalized Nash equilibrium on physical networks. <i>Autonomous Intelligent Systems</i> , 2021 , 1, 1		1

217	Distributed Finite-Time Secondary Frequency Control of Islanded Microgrids With Enhanced Operational Flexibility. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 36, 1733-1742	5.4	2
216	Rolling-horizon dispatch of advanced adiabatic compressed air energy storage based energy hub via data-driven stochastic dynamic programming. <i>Energy Conversion and Management</i> , 2021 , 243, 114322	10.6	6
215	Optimal bidding and scheduling of AA-CAES based energy hub considering cascaded consumption of heat. <i>Energy</i> , 2021 , 233, 121133	7.9	7
214	. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 2219-2229	8.2	5
213	Routing and Scheduling of Electric Buses for Resilient Restoration of Distribution System. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 2414-2428	7.6	8
212	Diversified Software Deployment for Long-Term Risk Mitigation in Cyber-Physical Power Systems. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	0
211	Distribution System Operation with Renewables and Energy Storage: A Linear Programming Based Multistage Robust Feasibility Approach. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	2
210	Characterizing and Visualizing the Impact of Energy Storage on Renewable Energy Curtailment in Bulk Power Systems. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1135	2.6	1
209	Improving the Near-Surface Wind Forecast around the Turpan Basin of the Northwest China by Using the WRF_TopoWind Model. <i>Atmosphere</i> , 2021 , 12, 1624	2.7	0
208	M2GSNet: Multi-Modal Multi-Task Graph Spatiotemporal Network for Ultra-Short-Term Wind Farm Cluster Power Prediction. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7915	2.6	5
207	A comparative thermodynamic analysis of Kalina and organic Rankine cycles for hot dry rock: a prospect study in the Gonghe Basin. <i>Frontiers in Energy</i> , 2020 , 14, 889-900	2.6	5
206	Modeling and dispatch of advanced adiabatic compressed air energy storage under wide operating range in distribution systems with renewable generation. <i>Energy</i> , 2020 , 206, 118051	7.9	18
205	Fast Screen of Redundant Transmission Constraints in Line Contingency-Constrained Dispatch. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 3305-3307	7	2
204	Modelling and experimental validation of advanced adiabatic compressed air energy storage with off-design heat exchanger. <i>IET Renewable Power Generation</i> , 2020 , 14, 389-398	2.9	5
203	Interdependence of electricity and heat distribution systems coupled by an AA-CAES-based energy hub. <i>IET Renewable Power Generation</i> , 2020 , 14, 399-407	2.9	12
202	Operation of Distribution Network Considering Compressed Air Energy Storage Unit and Its Reactive Power Support Capability. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2954-2965	10.7	9
201	. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 2658-2669	7	5
200	Optimal Energy Management of a Residential Prosumer: A Robust Data-Driven Dynamic Programming Approach. <i>IEEE Systems Journal</i> , 2020 , 1-10	4.3	6

199	Sizing energy storage to reduce renewable power curtailment considering network power flows: a distributionally robust optimisation approach. <i>IET Renewable Power Generation</i> , 2020 , 14, 3273-3280	2.9	4
198	An Online Search Method for Representative Risky Fault Chains Based on Reinforcement Learning and Knowledge Transfer. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 1856-1867	7	14
197	An Energy Sharing Game With Generalized Demand Bidding: Model and Properties. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2055-2066	10.7	22
196	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 78-89	6.8	24
195	Pattern Analysis of Topological Attacks in Cyber-Physical Power Systems Considering Cascading Outages. <i>IEEE Access</i> , 2020 , 8, 134257-134267	3.5	10
194	Impact of Energy Storage on Economic Dispatch of Distribution Systems: A Multi-Parametric Linear Programming Approach and its Implications. <i>IEEE Open Access Journal of Power and Energy</i> , 2020 , 7, 243-253	3.8	10
193	Thermodynamic Analysis of a Hybrid Trigenerative Compressed Air Energy Storage System with Solar Thermal Energy. <i>Entropy</i> , 2020 , 22,	2.8	3
192	Asynchronous Distributed Power Control of Multimicrogrid Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 1960-1973	4	5
191	The Value and Optimal Sizes of Energy Storage Units in Solar-Assist Cogeneration Energy Hubs. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4994	2.6	6
190	Quantitative short-term voltage stability analysis of power systems integrated with DFIG-based wind farms. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 4264-4272	2.5	7
189	Analyzing and Quantifying the Intrinsic Distributional Robustness of CVaR Reformulation for Chance-Constrained Stochastic Programs. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 4908-4911	7	1
188	Technological Research of a Clean Energy Router Based on Advanced Adiabatic Compressed Air Energy Storage System. <i>Entropy</i> , 2020 , 22,	2.8	2
187	. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 3-14	8.2	49
186	Distributed load-side control: Coping with variation of renewable generations. <i>Automatica</i> , 2019 , 109, 108556	5.7	9
185	Resilient Active Power Sharing in Autonomous Microgrids Using Pinning-Consensus-Based Distributed Control. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 6802-6811	10.7	13
184	Thermodynamic Analysis of a Hybrid Power System Combining Kalina Cycle with Liquid Air Energy Storage. <i>Entropy</i> , 2019 , 21,	2.8	18
183	Energy Trading and Market Equilibrium in Integrated Heat-Power Distribution Systems. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 4080-4094	10.7	68
182	Distributed Optimal Frequency Control Considering a Nonlinear Network-Preserving Model. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 76-86	7	17

181	Stability Region of Droop-Controlled Distributed Generation in Autonomous Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 2288-2300	10.7	18
180	Region-Based Stability Analysis for Active Dampers in AC Microgrids. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 7671-7682	4.3	5
179	A Data Segmentation-Based Ensemble Classification Method for Power System Transient Stability Status Prediction with Imbalanced Data. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4216	2.6	4
178	A Two-Stage Feature Selection Method for Power System Transient Stability Status Prediction. <i>Energies</i> , 2019 , 12, 689	3.1	10
177	Research on Power Prediction of Photovoltaic Electric Field Based on Grey Model 2019 ,		1
176	Graphical Evolutionary Game Model of Virus-Based Intrusion to Power System for Long-Term Cyber-Security Risk Evaluation. <i>IEEE Access</i> , 2019 , 7, 178605-178617	3.5	4
175	Risk-constrained Economic Dispatch for Power Systems with Renewable Energy Sources and Compressed Air Energy Storage 2019 ,		1
174	Decentralized Operation of Interdependent Power Distribution Network and District Heating Network: A Market-Driven Approach. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 5374-5385	10.7	66
173	Dispatchable Generation of a Novel Compressed-Air Assisted Wind Turbine and Its Operation Mechanism. <i>IEEE Transactions on Sustainable Energy</i> , 2019 , 10, 2201-2210	8.2	8
172	Observer design for neutral-type neural networks with discrete and distributed time-varying delays. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019 , 33, 527-544	2.8	4
171	Detecting False Data Injection Attacks Against Power System State Estimation With Fast Go-Decomposition Approach. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 2892-2904	11.9	48
170	. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1013-1024	10.7	32
169	Distributed Frequency Control With Operational Constraints, Part I: Per-Node Power Balance. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 40-52	10.7	31
168	Distributed Frequency Control With Operational Constraints, Part II: Network Power Balance. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 53-64	10.7	26
167	Fast Screening of Vulnerable Transmission Lines in Power Grids: A PageRank-Based Approach. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1982-1991	10.7	30
166	Participation of an Energy Hub in Electricity and Heat Distribution Markets: An MPEC Approach. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3641-3653	10.7	90
165	Policy Approximation in Policy Iteration Approximate Dynamic Programming for Discrete-Time Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 2794-2807	10.3	16
164	Management of Cascading Outage Risk Based on Risk Gradient and Markovian Tree Search. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 4050-4060	7	6

163	Quantifying the Influence of Component Failure Probability on Cascading Blackout Risk. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 5671-5681	7	7
162	Optimal Power Flow in Stand-Alone DC Microgrids. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 5496-5506	79	
161	Enhancing flexibility of power systems by exploiting operational controllability of large-scale wind farms. <i>IEEE Transactions on Electrical and Electronic Engineering</i> , 2018 , 13, 390-403	1	
160	Input-to-State Stability Based Control of Doubly Fed Wind Generator. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 2949-2961	7	10
159	Comprehensive control strategy of virtual synchronous generator under unbalanced voltage conditions. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 1621-1630	2.5	51
158	Distributed Real-Time Economic Dispatch in Smart Grids: A State-Based Potential Game Approach. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 4194-4208	10.7	20
157	Robust Coordinated Transmission and Generation Expansion Planning Considering Ramping Requirements and Construction Periods. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 268-280	7	59
156	Towards the Robust Small-Signal Stability Region of Power Systems Under Perturbations Such as Uncertain and Volatile Wind Generation. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 1790-1799	7	18
155	Flexible unbalanced control with peak current limitation for virtual synchronous generator under voltage sags. <i>Journal of Modern Power Systems and Clean Energy</i> , 2018 , 6, 61-72	4	22
154	Toward Efficient Cascading Outage Simulation and Probability Analysis in Power Systems. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 2370-2382	7	18
153	Resilience Control of DC Shipboard Power Systems. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 6675-6685	4	
152	. <i>IEEE Transactions on Transportation Electrification</i> , 2018 , 4, 817-830	7.6	41
151	Optimal contracts of energy mix in a retail market under asymmetric information. <i>Energy</i> , 2018 , 165, 634-650	7.9	3
150	A Solar-Thermal-Assisted Adiabatic Compressed Air Energy Storage System and Its Efficiency Analysis. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1390	2.6	7
149	Analyzing and validating the economic efficiency of managing a cluster of energy hubs in multi-carrier energy systems. <i>Applied Energy</i> , 2018 , 230, 403-416	10.7	44
148	Functional-Rotation-Based Active Dampers in AC Microgrids With Multiple Parallel Interface Inverters. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 5206-5215	4.3	6
147	On engineering game theory with its application in power systems. <i>Control Theory and Technology</i> , 2017 , 15, 1-12	1	36
146	Risk Assessment of Multi-Timescale Cascading Outages Based on Markovian Tree Search. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 2887-2900	7	34

145	ESO-Based Inertia Emulation and Rotor Speed Recovery Control for DFIGs. <i>IEEE Transactions on Energy Conversion</i> , 2017 , 32, 1209-1219	5.4	18
144	A multi-lateral trading model for coupled gas-heat-power energy networks. <i>Applied Energy</i> , 2017 , 200, 180-191	10.7	34
143	Resilience-Oriented Pre-Hurricane Resource Allocation in Distribution Systems Considering Electric Buses. <i>Proceedings of the IEEE</i> , 2017 , 105, 1214-1233	14.3	112
142	Optimal Power Flow of Radial Networks and Its Variations: A Sequential Convex Optimization Approach. <i>IEEE Transactions on Smart Grid</i> , 2017 , 8, 2974-2987	10.7	55
141	Low carbon economic dispatch for multi-energy distribution network with compressed air energy storage system as energy hub 2017 ,		3
140	Marketing equilibria of integrated heating and power system considering locational marginal pricing in distribution networks. <i>Journal of Engineering</i> , 2017 , 2017, 2609-2614	0.7	1
139	Distributed demand-side energy management scheme in residential smart grids: An ordinal state-based potential game approach. <i>Applied Energy</i> , 2017 , 206, 991-1008	10.7	16
138	Optimal expansion planning of isolated microgrid with renewable energy resources and controllable loads. <i>IET Renewable Power Generation</i> , 2017 , 11, 931-940	2.9	44
137	Speed recovery strategy for the inertia response control of DFIGs: extended state observer based approach. <i>IET Renewable Power Generation</i> , 2017 , 11, 1110-1120	2.9	4
136	Robust Defense Strategy for GasElectric Systems Against Malicious Attacks. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 2953-2965	7	86
135	Robust Operation of Distribution Networks Coupled With Urban Transportation Infrastructures. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 2118-2130	7	54
134	Power system transient stability assessment based on dimension reduction and cost-sensitive ensemble learning 2017 ,		10
133	Experimental study of solar chimney power plant system 2017 ,		2
132	A Multi-Timescale Quasi-Dynamic Model for Simulation of Cascading Outages. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 3189-3201	7	43
131	Stability analysis and observer design for discrete-time systems with interval time-varying delay. <i>Optimal Control Applications and Methods</i> , 2016 , 37, 340-358	1.7	5
130	Review and prospect of compressed air energy storage system. <i>Journal of Modern Power Systems and Clean Energy</i> , 2016 , 4, 529-541	4	68
129	Exponential stabilization and L2-gain for uncertain switched nonlinear systems with interval time-varying delay. <i>Mathematical Methods in the Applied Sciences</i> , 2016 , 39, 3836-3854	2.3	10
128	Distributionally Robust Co-Optimization of Energy and Reserve Dispatch. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 289-300	8.2	121

127	Convexification of the Nash Bargaining Based Environmental-Economic Dispatch. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 5208-5209	7	15
126	Risk-Based Admissibility Assessment of Wind Generation Integrated into a Bulk Power System. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 325-336	8.2	57
125	Local Input to State Stability Based Stability Criterion With Applications to Isolated Power Systems. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 5094-5105	7	12
124	Dispatchability Maximization for Co-Optimized Energy and Reserve Dispatch With Explicit Reliability Guarantee. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 3276-3288	7	22
123	Invulnerability of power grids based on maximum flow theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 462, 977-985	3.3	14
122	A bilinear robust state estimator. <i>International Transactions on Electrical Energy Systems</i> , 2016 , 26, 1476-1492	1.92	2
121	Key Branches identification for cascading failure based on q-learning algorithm 2016 ,		2
120	Consensus control strategy with state predictor for virtual synchronous generators in isolated microgrid 2016 ,		2
119	Decentralized optimal frequency control of interconnected power systems with transient constraints 2016 ,		5
118	A consensus-based frequency control for photovoltaic connected virtual synchronous generators in microgrid 2016 ,		3
117	Fully distributed optimal power flow for unbalanced distribution networks based on ADMM 2016 ,		1
116	Admissible Region of Large-Scale Uncertain Wind Generation Considering Small-Signal Stability of Power Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 1611-1623	8.2	16
115	Algorithm for local input-to-state stability analysis. <i>IET Control Theory and Applications</i> , 2016 , 10, 1556-1564	1.54	5
114	A comprehensive consensus-based distributed control strategy for grid-connected PV-VSG 2016 ,		4
113	Selecting the forecast interval of wind generations. <i>IEEE Transactions on Electrical and Electronic Engineering</i> , 2016 , 11, 126-128	1	1
112	Approximate dynamic programming based supplementary reactive power control for DFIG wind farm to enhance power system stability. <i>Neurocomputing</i> , 2015 , 170, 417-427	5.4	32
111	Modeling and analysis of stochastic AC-OPF based on SDP relaxation technique 2015 ,		2
110	Nash Bargain and Complementarity Approach Based Environmental/Economic Dispatch. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 1548-1549	7	18

109	Design and engineering implementation of non-supplementary fired compressed air energy storage system: TICC-500. <i>Science China Technological Sciences</i> , 2015 , 58, 600-611	3.5	54
108	Optimal reactive power flow with exact linearized transformer model in distribution power networks 2015 ,		5
107	Robust small-signal stability region of power systems considering uncertain wind generation 2015 ,		5
106	Robust Energy and Reserve Dispatch Under Variable Renewable Generation. <i>IEEE Transactions on Smart Grid</i> , 2015 , 6, 369-380	10.7	126
105	Dispatchable Region of the Variable Wind Generation. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 2755-2765	7	45
104	An Interaction Model for Simulation and Mitigation of Cascading Failures. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 804-819	7	91
103	Offering Non-Dominated Strategies Under Uncertain Market Prices. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 2820-2821	7	9
102	Real-Time Dispatchability of Bulk Power Systems With Volatile Renewable Generations. <i>IEEE Transactions on Sustainable Energy</i> , 2015 , 6, 738-747	8.2	27
101	An integrated control and protection system for photovoltaic microgrids. <i>CSEE Journal of Power and Energy Systems</i> , 2015 , 1, 36-42	2.3	41
100	AC-constrained economic dispatch in radial power networks considering both continuous and discrete controllable devices 2015 ,		2
99	Robust Optimization of Static Reserve Planning With Large-Scale Integration of Wind Power: A Game Theoretic Approach. <i>IEEE Transactions on Sustainable Energy</i> , 2014 , 5, 535-545	8.2	28
98	Approximate dynamic programming based supplementary frequency control of thermal generators in power systems with large-scale renewable generation integration 2014 ,		5
97	Reactive power control of DFIG wind farm using online supplementary learning controller based on approximate dynamic programming 2014 ,		4
96	Two-level unit commitment and reserve level adjustment considering large-scale wind power integration. <i>International Transactions on Electrical Energy Systems</i> , 2014 , 24, 1726-1746	2.2	19
95	Modeling and analysis of unit commitment considering RCAES system 2014 ,		2
94	Policy iteration approximate dynamic programming using Volterra series based actor 2014 ,		2
93	Taxing Strategies for Carbon Emissions: A Bilevel Optimization Approach. <i>Energies</i> , 2014 , 7, 2228-2245	3.1	25
92	A novel evaluation method for power grid evolution with economy and security constraints 2014 ,		1

91	Cascading failure model of AC-DC system and blackout mechanism analysis 2014 ,		3
90	Impact quantification of hypothesized attack scenarios on bus differential relays 2014 ,		9
89	Integrating an Improved Averaged Model for PWM Converters Into EMTP. <i>IEEE Transactions on Power Delivery</i> , 2014 , 29, 291-293	4-3	6
88	Online and model-free supplementary learning control based on approximate dynamic programming 2014 ,		1
87	Optimal capacity configuration method of distributed compressed air energy storage in wind farm 2014 ,		1
86	The impact of key parameters on the cycle efficiency of multi-stage RCAES system. <i>Journal of Modern Power Systems and Clean Energy</i> , 2014 , 2, 422-430	4	6
85	Thermal-wind-storage joint operation of power system considering pumped storage and distributed compressed air energy storage 2014 ,		4
84	Cascading outage preventive control for large-scale AC-DC interconnected power grid 2014 ,		5
83	Polynomial approximation of the small-signal stability region boundaries and its credible region in high-dimensional parameter space. <i>International Transactions on Electrical Energy Systems</i> , 2013 , 23, 784-801	2-3	7
82	Dynamic simulation based on Jacobian-free Newton-GMRES methods with adaptive preconditioner for power systems. <i>Science China Technological Sciences</i> , 2013 , 56, 2037-2045	3-5	4
81	Towards Estimating the Statistics of Simulated Cascades of Outages With Branching Processes. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 3410-3419	7	36
80	Blackout Model Considering Slow Process. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 3274-3282	7	49
79	Guaranteed state estimation of power system via interval constraints propagation. <i>IET Generation, Transmission and Distribution</i> , 2013 , 7, 138-144	2-5	10
78	Recent advances on smart grid technology and renewable energy integration. <i>Science China Technological Sciences</i> , 2013 , 56, 3040-3048	3-5	9
77	Incorporating approximate dynamic programming-based parameter tuning into PD-type virtual inertia control of DFIGs 2013 ,		13
76	A Seidel-Type Recursive Bayesian Approach and Its Applications to Power Systems. <i>IEEE Transactions on Power Systems</i> , 2012 , 27, 1710-1711	7	14
75	Blackout model considering slow process and SOC analysis 2012 ,		1
74	Maximum exponential absolute value approach for robust state estimation 2012 ,		4

73	Game Approaches for Hybrid Power System Planning. <i>IEEE Transactions on Sustainable Energy</i> , 2012 , 3, 506-517	8.2	66
72	Exponential stabilization of nonlinear uncertain systems with time-varying delay. <i>Journal of Engineering Mathematics</i> , 2012 , 77, 225-237	1.2	10
71	Real-time electromagnetic transient simulation algorithm for integrated power systems based on network level and component level parallelism. <i>Science China Technological Sciences</i> , 2012 , 55, 3232-3241	3.5	3
70	Direct heuristic dynamic programming based on an improved PID neural network. <i>Journal of Control Theory and Applications</i> , 2012 , 10, 497-503		2
69	Electric load modeling based on characteristic fusion 2012 ,		1
68	Research focuses and advance technologies of smart grid in recent years. <i>Science Bulletin</i> , 2012 , 57, 2879-2886	3	3
67	An assessment framework for branch parameter estimation of power systems. <i>Science China Technological Sciences</i> , 2012 , 55, 1631-1643	3.5	1
66	Game theoretical scheduling of modern power systems with large-scale wind power integration 2012 ,		9
65	Robust economic dispatch considering renewable generation 2011 ,		3
64	On expansion of estimated stability region: Theory, methodology, and application to power systems. <i>Science China Technological Sciences</i> , 2011 , 54, 1394-1406	3.5	6
63	Multi-level multi-area hybrid automatic voltage control system and its trial operation in Northeast China Grid. <i>Science China Technological Sciences</i> , 2011 , 54, 2501-2505	3.5	6
62	Power system blackout model with transient constraints and its criticality. <i>European Transactions on Electrical Power</i> , 2011 , 21, 59-69		5
61	Input-to-output stability analysis of interconnecting microgrids 2011 ,		2
60	Polynomial approximation of the damping-ratio-based small-signal security region boundaries of power systems 2011 ,		3
59	Direct heuristic dynamic programming with augmented states 2011 ,		4
58	Power Grid Complexity 2011 ,		68
57	Novel Stability Criteria of Nonlinear Uncertain Systems with Time-Varying Delay. <i>Abstract and Applied Analysis</i> , 2011 , 2011, 1-16	0.7	4
56	Power Grid Growth and Evolution 2011 , 133-160		1

55	Blackout Model Considering Reactive Power/Voltage Characteristics 2011 , 318-360		
54	Blackout Model Based on the OTS 2011 , 361-403		
53	Applications in Electric Power Emergency Management Platform 2011 , 420-452		
52	Blackout Model Based on AC Power Flow 2011 , 291-317		1
51	Blackout Model Based on DC Power Flow 2011 , 257-290		
50	Applications to Generation Expansion Planning and Power Network Planning 2011 , 404-419		
49	Branch Parameter Error Identification and Estimation in Power Systems 2010 ,		1
48	Estimation of LISS (local input-to-state stability) properties for nonlinear systems. <i>Science China Technological Sciences</i> , 2010 , 53, 909-917	3.5	12
47	LPV Modelling and Gain-Scheduled Control Approach for the Transient Stabilization of Power Systems. <i>IEEE Transactions on Electrical and Electronic Engineering</i> , 2010 , 5, 87-95	1	7
46	Approximate dynamic programming for continuous state and control problems 2009 ,		6
45	Hybrid automatic voltage control strategy and its application to Northeast China 500 kV power grid. <i>European Transactions on Electrical Power</i> , 2009 , 19, 355-367		3
44	Transient stability and emergency control. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 420-428		1
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