Shengwei Mei

List of Publications by Citations

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	. *IEEE Transactions on Power Systems*, **2009**, 24, 814-823	7	140
233	Robust Energy and Reserve Dispatch Under Variable Renewable Generation. *IEEE Transactions on Smart Grid*, **2015**, 6, 369-380	10.7	126
232	Distributionally Robust Co-Optimization of Energy and Reserve Dispatch. *IEEE Transactions on Sustainable Energy*, **2016**, 7, 289-300	8.2	121
231	Resilience-Oriented Pre-Hurricane Resource Allocation in Distribution Systems Considering Electric Buses. *Proceedings of the IEEE*, **2017**, 105, 1214-1233	14.3	112
230	An Interaction Model for Simulation and Mitigation of Cascading Failures. *IEEE Transactions on Power Systems*, **2015**, 30, 804-819	7	91
229	Participation of an Energy Hub in Electricity and Heat Distribution Markets: An MPEC Approach. *IEEE Transactions on Smart Grid*, **2019**, 10, 3641-3653	10.7	90
228	Robust Defense Strategy for Gas-Electric Systems Against Malicious Attacks. *IEEE Transactions on Power Systems*, **2017**, 32, 2953-2965	7	86
227	A Study of Self-Organized Criticality of Power System Under Cascading Failures Based on AC-OPF With Voltage Stability Margin. *IEEE Transactions on Power Systems*, **2008**, 23, 1719-1726	7	81
226	Optimal Power Flow in Stand-Alone DC Microgrids. *IEEE Transactions on Power Systems*, **2018**, 33, 5496-5506		79
225	Nonlinear decentralized controller design for multimachine power systems using Hamiltonian function method. *Automatica*, **2002**, 38, 527-534	5.7	71
224	Review and prospect of compressed air energy storage system. *Journal of Modern Power Systems and Clean Energy*, **2016**, 4, 529-541	4	68
223	Energy Trading and Market Equilibrium in Integrated Heat-Power Distribution Systems. *IEEE Transactions on Smart Grid*, **2019**, 10, 4080-4094	10.7	68
222	Power Grid Complexity **2011**,		68
221	Game Approaches for Hybrid Power System Planning. *IEEE Transactions on Sustainable Energy*, **2012**, 3, 506-517	8.2	66
220	Decentralized Operation of Interdependent Power Distribution Network and District Heating Network: A Market-Driven Approach. *IEEE Transactions on Smart Grid*, **2019**, 10, 5374-5385	10.7	66
219	Adaptive nonlinear excitation control with L2 disturbance attenuation for power systems. *Automatica*, **2003**, 39, 81-89	5.7	65
218	Nonlinear decentralized disturbance attenuation excitation control via new recursive design for multi-machine power systems. *IEEE Transactions on Power Systems*, **2001**, 16, 729-736	7	64

217	Robust Coordinated Transmission and Generation Expansion Planning Considering Ramping Requirements and Construction Periods. *IEEE Transactions on Power Systems*, **2018**, 33, 268-280	7	59
216	Risk-Based Admissibility Assessment of Wind Generation Integrated into a Bulk Power System. *IEEE Transactions on Sustainable Energy*, **2016**, 7, 325-336	8.2	57
215	Optimal Power Flow of Radial Networks and Its Variations: A Sequential Convex Optimization Approach. *IEEE Transactions on Smart Grid*, **2017**, 8, 2974-2987	10.7	55
214	Design and engineering implementation of non-supplementary fired compressed air energy storage system: TICC-500. *Science China Technological Sciences*, **2015**, 58, 600-611	3.5	54
213	Robust Operation of Distribution Networks Coupled With Urban Transportation Infrastructures. *IEEE Transactions on Power Systems*, **2017**, 32, 2118-2130	7	54
212	Comprehensive control strategy of virtual synchronous generator under unbalanced voltage conditions. *IET Generation, Transmission and Distribution*, **2018**, 12, 1621-1630	2.5	51
211	Blackout Model Considering Slow Process. *IEEE Transactions on Power Systems*, **2013**, 28, 3274-3282	7	49
210	. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 3-14	8.2	49
209	Detecting False Data Injection Attacks Against Power System State Estimation With Fast Go-Decomposition Approach. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 2892-2904	11.9	48
208	Dispatchable Region of the Variable Wind Generation. *IEEE Transactions on Power Systems*, **2015**, 30, 2755-2765	7	45
207	Optimal expansion planning of isolated microgrid with renewable energy resources and controllable loads. *IET Renewable Power Generation*, **2017**, 11, 931-940	2.9	44
206	Analyzing and validating the economic efficiency of managing a cluster of energy hubs in multi-carrier energy systems. *Applied Energy*, **2018**, 230, 403-416	10.7	44
205	A Multi-Timescale Quasi-Dynamic Model for Simulation of Cascading Outages. *IEEE Transactions on Power Systems*, **2016**, 31, 3189-3201	7	43
204	. *IEEE Transactions on Transportation Electrification*, **2018**, 4, 817-830	7.6	41
203	An integrated control and protection system for photovoltaic microgrids. *CSEE Journal of Power and Energy Systems*, **2015**, 1, 36-42	2.3	41
202	Adaptive L2 Disturbance Attenuation Of Hamiltonian Systems With Parametric Perturbation And Application To Power Systems. *Asian Journal of Control*, **2008**, 5, 143-152	1.7	40
201	On engineering game theory with its application in power systems. *Control Theory and Technology*, **2017**, 15, 1-12	1	36
200	Towards Estimating the Statistics of Simulated Cascades of Outages With Branching Processes. *IEEE Transactions on Power Systems*, **2013**, 28, 3410-3419	7	36

199	Risk Assessment of Multi-Timescale Cascading Outages Based on Markovian Tree Search. *IEEE Transactions on Power Systems*, **2017**, 32, 2887-2900	7	34
198	A multi-lateral trading model for coupled gas-heat-power energy networks. *Applied Energy*, **2017**, 200, 180-191	10.7	34
197	Approximate dynamic programming based supplementary reactive power control for DFIG wind farm to enhance power system stability. *Neurocomputing*, **2015**, 170, 417-427	5.4	32
196	. *IEEE Transactions on Smart Grid*, **2019**, 10, 1013-1024	10.7	32
195	Distributed Frequency Control With Operational Constraints, Part I: Per-Node Power Balance. *IEEE Transactions on Smart Grid*, **2019**, 10, 40-52	10.7	31
194	Failure analysis on China power grid based on power law. *Journal of Control Theory and Applications*, **2006**, 4, 235-238		30
193	Fast Screening of Vulnerable Transmission Lines in Power Grids: A PageRank-Based Approach. *IEEE Transactions on Smart Grid*, **2019**, 10, 1982-1991	10.7	30
192	Power System Dynamic Security Region and Its Approximations. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2006**, 53, 2849-2859		29
191	Robust Optimization of Static Reserve Planning With Large-Scale Integration of Wind Power: A Game Theoretic Approach. *IEEE Transactions on Sustainable Energy*, **2014**, 5, 535-545	8.2	28
190	Real-Time Dispatchability of Bulk Power Systems With Volatile Renewable Generations. *IEEE Transactions on Sustainable Energy*, **2015**, 6, 738-747	8.2	27
189	Distributed Frequency Control With Operational Constraints, Part II: Network Power Balance. *IEEE Transactions on Smart Grid*, **2019**, 10, 53-64	10.7	26
188	Taxing Strategies for Carbon Emissions: A Bilevel Optimization Approach. *Energies*, **2014**, 7, 2228-2245	3.1	25
187	Quadratic form of stable sub-manifold for power systems. *International Journal of Robust and Nonlinear Control*, **2004**, 14, 773-788	3.6	25
186	. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 78-89	6.8	24
185	Flexible unbalanced control with peak current limitation for virtual synchronous generator under voltage sags. *Journal of Modern Power Systems and Clean Energy*, **2018**, 6, 61-72	4	22
184	Dispatchability Maximization for Co-Optimized Energy and Reserve Dispatch With Explicit Reliability Guarantee. *IEEE Transactions on Power Systems*, **2016**, 31, 3276-3288	7	22
183	Geometric structure of generalized controlled Hamiltonian systems and its application. *Science in China Series D: Earth Sciences*, **2000**, 43, 365-379		22
182	An Energy Sharing Game With Generalized Demand Bidding: Model and Properties. *IEEE Transactions on Smart Grid*, **2020**, 11, 2055-2066	10.7	22

181	Distributed Real-Time Economic Dispatch in Smart Grids: A State-Based Potential Game Approach. *IEEE Transactions on Smart Grid*, **2018**, 9, 4194-4208	10.7	20
180	Dynamic available transfer capability (ATC) evaluation by dynamic constrained optimization. *IEEE Transactions on Power Systems*, **2004**, 19, 1240-1242	7	20
179	Two-level unit commitment and reserve level adjustment considering large-scale wind power integration. *International Transactions on Electrical Energy Systems*, **2014**, 24, 1726-1746	2.2	19
178	ESO-Based Inertia Emulation and Rotor Speed Recovery Control for DFIGs. *IEEE Transactions on Energy Conversion*, **2017**, 32, 1209-1219	5.4	18
177	Thermodynamic Analysis of a Hybrid Power System Combining Kalina Cycle with Liquid Air Energy Storage. *Entropy*, **2019**, 21,	2.8	18
176	Nash Bargain and Complementarity Approach Based Environmental/Economic Dispatch. *IEEE Transactions on Power Systems*, **2015**, 30, 1548-1549	7	18
175	Modeling and dispatch of advanced adiabatic compressed air energy storage under wide operating range in distribution systems with renewable generation. *Energy*, **2020**, 206, 118051	7.9	18
174	Towards the Robust Small-Signal Stability Region of Power Systems Under Perturbations Such as Uncertain and Volatile Wind Generation. *IEEE Transactions on Power Systems*, **2018**, 33, 1790-1799	7	18
173	Toward Efficient Cascading Outage Simulation and Probability Analysis in Power Systems. *IEEE Transactions on Power Systems*, **2018**, 33, 2370-2382	7	18
172	Stability Region of Droop-Controlled Distributed Generation in Autonomous Microgrids. *IEEE Transactions on Smart Grid*, **2019**, 10, 2288-2300	10.7	18
171	Distributed Optimal Frequency Control Considering a Nonlinear Network-Preserving Model. *IEEE Transactions on Power Systems*, **2019**, 34, 76-86	7	17
170	Policy Approximation in Policy Iteration Approximate Dynamic Programming for Discrete-Time Nonlinear Systems. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 2794-2807	10.3	16
169	Distributed demand-side energy management scheme in residential smart grids: An ordinal state-based potential game approach. *Applied Energy*, **2017**, 206, 991-1008	10.7	16
168	Admissible Region of Large-Scale Uncertain Wind Generation Considering Small-Signal Stability of Power Systems. *IEEE Transactions on Sustainable Energy*, **2016**, 7, 1611-1623	8.2	16
167	. *IEEE Transactions on Sustainable Energy*, **2021**, 12, 874-885	8.2	16
166	Convexification of the Nash Bargaining Based Environmental-Economic Dispatch. *IEEE Transactions on Power Systems*, **2016**, 31, 5208-5209	7	15
165	A Seidel-Type Recursive Bayesian Approach and Its Applications to Power Systems. *IEEE Transactions on Power Systems*, **2012**, 27, 1710-1711	7	14
164	An Online Search Method for Representative Risky Fault Chains Based on Reinforcement Learning and Knowledge Transfer. *IEEE Transactions on Power Systems*, **2020**, 35, 1856-1867	7	14

163	Resilient Restoration of Distribution Systems in Coordination With Electric Bus Scheduling. *IEEE Transactions on Smart Grid*, **2021**, 12, 3314-3325	10.7	14
162	Invulnerability of power grids based on maximum flow theory. *Physica A: Statistical Mechanics and Its Applications*, **2016**, 462, 977-985	3.3	14
161	Resilient Active Power Sharing in Autonomous Microgrids Using Pinning-Consensus-Based Distributed Control. *IEEE Transactions on Smart Grid*, **2019**, 10, 6802-6811	10.7	13
160	Incorporating approximate dynamic programming-based parameter tuning into PD-type virtual inertia control of DFIGs **2013**,		13
159	Interdependence of electricity and heat distribution systems coupled by an AA-CAES-based energy hub. *IET Renewable Power Generation*, **2020**, 14, 399-407	2.9	12
158	Local Input to State Stability Based Stability Criterion With Applications to Isolated Power Systems. *IEEE Transactions on Power Systems*, **2016**, 31, 5094-5105	7	12
157	Estimation of LISS (local input-to-state stability) properties for nonlinear systems. *Science China Technological Sciences*, **2010**, 53, 909-917	3.5	12
156	Quadratic stabilization of switched nonlinear systems. *Science in China Series F: Information Sciences* , **2009**, 52, 999-1006		11
155	Input-to-State Stability Based Control of Doubly Fed Wind Generator. *IEEE Transactions on Power Systems*, **2018**, 33, 2949-2961	7	10
154	Exponential stabilization and L2-gain for uncertain switched nonlinear systems with interval time-varying delay. *Mathematical Methods in the Applied Sciences*, **2016**, 39, 3836-3854	2.3	10
153	Guaranteed state estimation of power system via interval constraints propagation. *IET Generation, Transmission and Distribution*, **2013**, 7, 138-144	2.5	10
152	Power system transient stability assessment based on dimension reduction and cost-sensitive ensemble learning **2017**,		10
151	Exponential stabilization of nonlinear uncertain systems with time-varying delay. *Journal of Engineering Mathematics*, **2012**, 77, 225-237	1.2	10
150	Dynamic extending nonlinear H□control and its application to hydraulic turbine governor. *Science in China Series D: Earth Sciences*, **2007**, 50, 618-635		10
149	Advanced EMS and its trial operation in Shanghai power system. *Science in China Series D: Earth Sciences*, **2008**, 51, 220-224		10
148	On power system blackout modeling and analysis based on self-organized criticality. *Science in China Series D: Earth Sciences*, **2008**, 51, 209-219		10
147	Pattern Analysis of Topological Attacks in Cyber-Physical Power Systems Considering Cascading Outages. *IEEE Access*, **2020**, 8, 134257-134267	3.5	10
146	Impact of Energy Storage on Economic Dispatch of Distribution Systems: A Multi-Parametric Linear Programming Approach and its Implications. *IEEE Open Access Journal of Power and Energy*, **2020**, 7, 243-253	3.8	10

145	A Two-Stage Feature Selection Method for Power System Transient Stability Status Prediction. *Energies*, **2019**, 12, 689	3.1	10
144	Distributed load-side control: Coping with variation of renewable generations. *Automatica*, **2019**, 109, 108556	5.7	9
143	Operation of Distribution Network Considering Compressed Air Energy Storage Unit and Its Reactive Power Support Capability. *IEEE Transactions on Smart Grid*, **2020**, 11, 2954-2965	10.7	9
142	Recent advances on smart grid technology and renewable energy integration. *Science China Technological Sciences*, **2013**, 56, 3040-3048	3.5	9
141	Offering Non-Dominated Strategies Under Uncertain Market Prices. *IEEE Transactions on Power Systems*, **2015**, 30, 2820-2821	7	9
140	Impact quantification of hypothesized attack scenarios on bus differential relays **2014**,		9
139	Game theoretical scheduling of modern power systems with large-scale wind power integration **2012**,		9
138	Co-ordinated H∞ control of excitation and governor of hydroturbo-generator sets: a Hamiltonian approach. *International Journal of Robust and Nonlinear Control*, **2004**, 14, 807-832	3.6	9
137	Dispatchable Generation of a Novel Compressed-Air Assisted Wind Turbine and Its Operation Mechanism. *IEEE Transactions on Sustainable Energy*, **2019**, 10, 2201-2210	8.2	8
136	Routing and Scheduling of Electric Buses for Resilient Restoration of Distribution System. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 2414-2428	7.6	8
135	Quantifying the Influence of Component Failure Probability on Cascading Blackout Risk. *IEEE Transactions on Power Systems*, **2018**, 33, 5671-5681	7	7
134	Polynomial approximation of the small-signal stability region boundaries and its credible region in high-dimensional parameter space. *International Transactions on Electrical Energy Systems*, **2013**, 23, 784-801	2.2	7
133	LPV Modelling and Gain-Scheduled Control Approach for the Transient Stabilization of Power Systems. *IEEJ Transactions on Electrical and Electronic Engineering*, **2010**, 5, 87-95	1	7
132	Field experiments of NR-PSS for large synchronous generators on a 300MW machine in Baishan Hydro Plant. *Science in China Series D: Earth Sciences*, **2007**, 50, 516-520		7
131	NR-PSS (Nonlinear Robust Power System Stabilizer) for large synchronous generators and its large disturbance experiments on real time digital simulator. *Science in China Series D: Earth Sciences*, **2008**, 51, 337-352		7
130	Recursive design of nonlinear H∞ excitation controller. *Science in China Series D: Earth Sciences*, **2000**, 43, 23-31		7
129	Quantitative short-term voltage stability analysis of power systems integrated with DFIG-based wind farms. *IET Generation, Transmission and Distribution*, **2020**, 14, 4264-4272	2.5	7
128	A Solar-Thermal-Assisted Adiabatic Compressed Air Energy Storage System and Its Efficiency Analysis. *Applied Sciences (Switzerland)*, **2018**, 8, 1390	2.6	7

127	Optimal bidding and scheduling of AA-CAES based energy hub considering cascaded consumption of heat. *Energy*, **2021**, 233, 121133	7.9	7
126	Management of Cascading Outage Risk Based on Risk Gradient and Markovian Tree Search. *IEEE Transactions on Power Systems*, **2018**, 33, 4050-4060	7	6
125	Integrating an Improved Averaged Model for PWM Converters Into EMTP. *IEEE Transactions on Power Delivery*, **2014**, 29, 291-293	4.3	6
124	The impact of key parameters on the cycle efficiency of multi-stage RCAES system. *Journal of Modern Power Systems and Clean Energy*, **2014**, 2, 422-430	4	6
123	On expansion of estimated stability region: Theory, methodology, and application to power systems. *Science China Technological Sciences*, **2011**, 54, 1394-1406	3.5	6
122	Multi-level multi-area hybrid automatic voltage control system and its trial operation in Northeast China Grid. *Science China Technological Sciences*, **2011**, 54, 2501-2505	3.5	6
121	Approximate dynamic programming for continuous state and control problems **2009**,		6
120	Optimal Energy Management of a Residential Prosumer: A Robust Data-Driven Dynamic Programming Approach. *IEEE Systems Journal*, **2020**, 1-10	4.3	6
119	The Value and Optimal Sizes of Energy Storage Units in Solar-Assist Cogeneration Energy Hubs. *Applied Sciences (Switzerland)*, **2020**, 10, 4994	2.6	6
118	. *IEEE Transactions on Smart Grid*, **2021**, 12, 2484-2495	10.7	6
117	Functional-Rotation-Based Active Dampers in AC Microgrids With Multiple Parallel Interface Inverters. *IEEE Transactions on Industry Applications*, **2018**, 54, 5206-5215	4.3	6
116	Rolling-horizon dispatch of advanced adiabatic compressed air energy storage based energy hub via data-driven stochastic dynamic programming. *Energy Conversion and Management*, **2021**, 243, 114322	10.6	6
115	Stability analysis and observer design for discrete-time systems with interval time-varying delay. *Optimal Control Applications and Methods*, **2016**, 37, 340-358	1.7	5
114	Optimal reactive power flow with exact linearized transformer model in distribution power networks **2015**,		5
113	Robust small-signal stability region of power systems considering uncertain wind generation **2015**,		5
112	M2GSNet: Multi-Modal Multi-Task Graph Spatiotemporal Network for Ultra-Short-Term Wind Farm Cluster Power Prediction. *Applied Sciences (Switzerland)*, **2020**, 10, 7915	2.6	5
111	A comparative thermodynamic analysis of Kalina and organic Rankine cycles for hot dry rock: a prospect study in the Gonghe Basin. *Frontiers in Energy*, **2020**, 14, 889-900	2.6	5
110	Modelling and experimental validation of advanced adiabatic compressed air energy storage with off-design heat exchanger. *IET Renewable Power Generation*, **2020**, 14, 389-398	2.9	5

109	. *IEEE Transactions on Power Systems*, **2020**, 35, 2658-2669	7	5
108	Region-Based Stability Analysis for Active Dampers in AC Microgrids. *IEEE Transactions on Industry Applications*, **2019**, 55, 7671-7682	4.3	5
107	Approximate dynamic programming based supplementary frequency control of thermal generators in power systems with large-scale renewable generation integration **2014**,		5
106	Cascading outage preventive control for large-scale AC-DC interconnected power grid **2014**,		5
105	Power system blackout model with transient constraints and its criticality. *European Transactions on Electrical Power*, **2011**, 21, 59-69		5
104	Hamiltonian realization of power system dynamic models and its applications. *Science in China Series D: Earth Sciences*, **2008**, 51, 735-750		5
103	Asynchronous Distributed Power Control of Multimicrogrid Systems. *IEEE Transactions on Control of Network Systems*, **2020**, 7, 1960-1973	4	5
102	Decentralized optimal frequency control of interconnected power systems with transient constraints **2016**,		5
101	Algorithm for local input-to-state stability analysis. *IET Control Theory and Applications*, **2016**, 10, 1556-1564	2.4	5
100	. *IEEE Transactions on Sustainable Energy*, **2021**, 12, 2219-2229	8.2	5
99	Resilience Control of DC Shipboard Power Systems. *IEEE Transactions on Power Systems*, **2018**, 33, 6675-6685	7	4
98	A Data Segmentation-Based Ensemble Classification Method for Power System Transient Stability Status Prediction with Imbalanced Data. *Applied Sciences (Switzerland)*, **2019**, 9, 4216	2.6	4
97	Reactive power control of DFIG wind farm using online supplementary learning controller based on approximate dynamic programming **2014**,		4
96	Dynamic simulation based on Jacobian-free Newton-GMRES methods with adaptive preconditioner for power systems. *Science China Technological Sciences*, **2013**, 56, 2037-2045	3.5	4
95	Speed recovery strategy for the inertia response control of DFIGs: extended state observer based approach. *IET Renewable Power Generation*, **2017**, 11, 1110-1120	2.9	4
94	Thermal-wind-storage joint operation of power system considering pumped storage and distributed compressed air energy storage **2014**,		4
93	Maximum exponential absolute value approach for robust state estimation **2012**,		4
92	Global asymptotic stabilisation of non-linear systems. *International Journal of Control*, **2009**, 82, 279-286	1.5	4

91	Direct heuristic dynamic programming with augmented states **2011**,		4
90	Novel Stability Criteria of Nonlinear Uncertain Systems with Time-Varying Delay. *Abstract and Applied Analysis*, **2011**, 2011, 1-16	0.7	4
89	LPV modelling and gain-scheduled control approach for the transient stabilization of power systems **2009**,		4
88	Blackout prevention: Managing complexity with technology **2008**,		4
87	A new transient stability margin based on dynamic security region and its applications. *Science in China Series D: Earth Sciences*, **2008**, 51, 751-760		4
86	Sizing energy storage to reduce renewable power curtailment considering network power flows: a distributionally robust optimisation approach. *IET Renewable Power Generation*, **2020**, 14, 3273-3280	2.9	4
85	A comprehensive consensus-based distributed control strategy for grid-connected PV-VSG **2016**,		4
84	Graphical Evolutionary Game Model of Virus-Based Intrusion to Power System for Long-Term Cyber-Security Risk Evaluation. *IEEE Access*, **2019**, 7, 178605-178617	3.5	4
83	Observer design for neutral-type neural networks with discrete and distributed time-varying delays. *International Journal of Adaptive Control and Signal Processing*, **2019**, 33, 527-544	2.8	4
82	Low carbon economic dispatch for multi-energy distribution network with compressed air energy storage system as energy hub **2017**,		3
81	Cascading failure model of AC-DC system and blackout mechanism analysis **2014**,		3
80	Real-time electromagnetic transient simulation algorithm for integrated power systems based on network level and component level parallelism. *Science China Technological Sciences*, **2012**, 55, 3232-3241	3.5	3
79	Research focuses and advance technologies of smart grid in recent years. *Science Bulletin*, **2012**, 57, 2879-2886		3
78	Robust economic dispatch considering renewable generation **2011**,		3
77	Hybrid automatic voltage control strategy and its application to Northeast China 500 kV power grid. *European Transactions on Electrical Power*, **2009**, 19, 355-367		3
76	Polynomial approximation of the damping-ratio-based small-signal security region boundaries of power systems **2011**,		3
75	Nonlinear disturbance attenuation control for four-leg active power filter based on voltage source inverter. *Journal of Control Theory and Applications*, **2006**, 4, 261-266		3
74	Analysis of Transient Voltage Stability via Quadratic Approximation Method **2006**,		3

73	Preallocation of Electric Buses for Resilient Restoration of Distribution Network: A Data-Driven Robust Stochastic Optimization Method. *IEEE Systems Journal*, **2021**, 1-12	4.3	3
72	Thermodynamic Analysis of a Hybrid Trigenerative Compressed Air Energy Storage System with Solar Thermal Energy. *Entropy*, **2020**, 22,	2.8	3
71	A consensus-based frequency control for photovoltaic connected virtual synchronous generators in microgrid **2016**,		3
70	. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 1937-1947	11.9	3
69	Optimal contracts of energy mix in a retail market under asymmetric information. *Energy*, **2018**, 165, 634-650	7.9	3
68	Modeling and analysis of stochastic AC-OPF based on SDP relaxation technique **2015**,		2
67	Fast Screen of Redundant Transmission Constraints in Line Contingency-Constrained Dispatch. *IEEE Transactions on Power Systems*, **2020**, 35, 3305-3307	7	2
66	Experimental study of solar chimney power plant system **2017**,		2
65	AC-constrained economic dispatch in radial power networks considering both continuous and discrete controllable devices **2015**,		2
64	Modeling and analysis of unit commitment considering RCAES system **2014**,		2
63	Policy iteration approximate dynamic programming using Volterra series based actor **2014**,		2
62	Direct heuristic dynamic programming based on an improved PID neural network. *Journal of Control Theory and Applications*, **2012**, 10, 497-503		2
61	Input-to-output stability analysis of interconnecting microgrids **2011**,		2
60	On global controllability of affine nonlinear systems with a triangular-like structure. *Science in China Series F: Information Sciences*, **2007**, 50, 831-845		2
59	On engineering implementation of the digital power system. *Science in China Series D: Earth Sciences*, **2008**, 51, 2021-2030		2
58	A new transient stability index of power systems based on theory of stability region and its applications **2006**,		2
57	Hybrid Power Control System and Its Application **2006**,		2
56	Stability-Constrained Optimal Power Flow Based on a Novel Transient Stability Margin **2006**,		2

55	Coordinated nonlinear robust control of TCSC and excitation for multi-machine systems. *Journal of Control Theory and Applications*, **2004**, 2, 35-42		2
54	Study on passivity-based control of TCSC		2
53	Electricity-Heat-Hydrogen Modeling of Hydrogen Storage System Considering Off-Design Characteristics. *IEEE Access*, **2021**, 9, 156768-156777	3.5	2
52	Technological Research of a Clean Energy Router Based on Advanced Adiabatic Compressed Air Energy Storage System. *Entropy*, **2020**, 22,	2.8	2
51	Observer Design for One-sided Lipschitz Uncertain Descriptor Systems with Time-varying Delay and Nonlinear Uncertainties. *Circuits, Systems, and Signal Processing*, **2021**, 40, 4779-4798	2.2	2
50	A bilinear robust state estimator. *International Transactions on Electrical Energy Systems*, **2016**, 26, 1476-1492	1.9	2
49	Key Branches identification for cascading failure based on q-learning algorithm **2016**,		2
48	Consensus control strategy with state predictor for virtual synchronous generators in isolated microgrid **2016**,		2
47	Cyber-Physical Coordinated Risk Mitigation in Smart Grids Based on Attack-Defense Game. *IEEE Transactions on Power Systems*, **2021**, 1-1	7	2
46	Real-Time Self-Dispatch of a Remote Wind-Storage Integrated Power Plant without Predictions: Explicit Policy and Performance Guarantee. *IEEE Open Access Journal of Power and Energy*, **2021**, 1-1	3.8	2
45	Distributed Finite-Time Secondary Frequency Control of Islanded Microgrids With Enhanced Operational Flexibility. *IEEE Transactions on Energy Conversion*, **2021**, 36, 1733-1742	5.4	2
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43	Marketing equilibria of integrated heating and power system considering locational marginal pricing in distribution networks. *Journal of Engineering*, **2017**, 2017, 2609-2614	0.7	1
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40	Optimal capacity configuration method of distributed compressed air energy storage in wind farm **2014**,		1
39	Blackout model considering slow process and SOC analysis **2012**,		1
38	Electric load modeling based on characteristic fusion **2012**,		1

37	An assessment framework for branch parameter estimation of power systems. *Science China Technological Sciences*, **2012**, 55, 1631-1643	3.5	1
36	Branch Parameter Error Identification and Estimation in Power Systems **2010**,		1
35	Transient stability and emergency control. *Science in China Series D: Earth Sciences*, **2009**, 52, 420-428		1
34	Power System Blackout Model via OPF and Its Self-organized Criticality **2008**,		1
33	A comprehensive method to compute the controlling unstable equilibrium point **2008**,		1
32	Necessary and Sufficient Condition for Global Controllability of a Class of Affine Nonlinear Systems. *Journal of Systems Science and Complexity*, **2007**, 20, 492-500	1	1
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29	Further Results On Global Controllability of Affine Nonlinear Systems **2006**,		1
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1	Economic Optimization Dispatch Model of a Micro-Network with a Solar-Assisted Compressed Air Energy Storage Hub, with Consideration of Its Operationally Feasible Region. *Processes*, **2022**, 10, 963	2.9