

# Fangxing Li

## 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.

339  
papers

7,768  
citations

42  
h-index

76  
g-index

401  
ext. papers

10,370  
ext. citations

6.1  
avg, IF

6.86  
L-index

#	Paper	IF	Citations
339	Stochastic Planning of Integrated Energy System via Frank-Copula Function and Scenario Reduction. <i>IEEE Transactions on Smart Grid</i> , <b>2022</b> , 13, 202-212	10.7	1
338	Building Marginal Pattern Library with Unbiased Training Dataset for Enhancing Model-Free Load-ED Mapping. <i>IEEE Open Access Journal of Power and Energy</i> , <b>2022</b> , 1-1	3.8	
337	Enhancing distribution system resilience against extreme weather events: Concept review, algorithm summary, and future vision. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2022</b> , 138, 107860	5.1	7
336	Circular Trajectory Approach for Online Sinusoidal Signal Distortion Monitoring and Visualization. <i>IEEE Transactions on Smart Grid</i> , <b>2022</b> , 1-1	10.7	0
335	Deep Reinforcement Learning based Model-free On-line Dynamic Multi-Microgrid Formation to Enhance Resilience. <i>IEEE Transactions on Smart Grid</i> , <b>2022</b> , 1-1	10.7	4
334	Resilience Evaluation and Enhancement for Island City Integrated Energy Systems. <i>IEEE Transactions on Smart Grid</i> , <b>2022</b> , 1-1	10.7	2
333	Available transfer capability evaluation in electricity-dominated integrated hybrid energy systems with uncertain wind power: An interval optimization solution. <i>Applied Energy</i> , <b>2022</b> , 314, 119001	10.7	0
332	A distributed consensus-based optimal energy management approach in DC microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2022</b> , 140, 108015	5.1	0
331	A Decentralized Market Model for a Microgrid with Carbon Emission Rights. <i>IEEE Transactions on Smart Grid</i> , <b>2022</b> , 1-1	10.7	0
330	Demonstration of Intelligent HVAC Load Management With Deep Reinforcement Learning: Real-World Experience of Machine Learning in Demand Control. <i>IEEE Power and Energy Magazine</i> , <b>2022</b> , 20, 42-53	2.4	0
329	Co-optimization of repairs and dynamic network reconfiguration for improved distribution system resilience. <i>Applied Energy</i> , <b>2022</b> , 318, 119245	10.7	1
328	Disturbance Propagation in Power Grids With High Converter Penetration. <i>Proceedings of the IEEE</i> , <b>2022</b> , 1-18	14.3	
327	A Machine Learning-based Vulnerability Analysis for Cascading Failures of Integrated Power-Gas Systems. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	3
326	. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 1-1	10.7	2
325	Evolutionary Game Based Demand Response Bidding Strategy for End-users Using Q-Learning and Compound Differential Evolution. <i>IEEE Transactions on Cloud Computing</i> , <b>2021</b> , 1-1	3.3	1
324	Systemic Risk in Power Markets based on Financial Resilience and Financial Reliability under High Penetration of Renewables. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	0
323	Optimal Energy-Hub Planning Based on Dimension Reduction and Variable-Sized Unimodal Searching. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 12, 1481-1495	10.7	3

322	Optimal power allocation strategy for black start in VSC-MTDC systems considering dynamic impacts. <i>Electric Power Systems Research</i> , <b>2021</b> , 193, 107023	3.5	4
321	Robust hierarchical dispatch for residential distribution network management considering home thermal flexibility and model predictive control. <i>IET Generation, Transmission and Distribution</i> , <b>2021</b> , 15, 2567-2581	2.5	0
320	A generalized voltage stability indicator based on the tangential angles of PV and load curves considering voltage dependent load models. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 127, 106624	5.1	1
319	Bi-level strategic bidding model for P2G facilities considering a carbon emission trading scheme-embedded LMP and wind power uncertainty. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 128, 106740	5.1	2
318	Redesigning capacity market to include flexibility via ramp constraints in high-renewable penetrated system. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 128, 106677	5.1	4
317	Holomorphic Embedding Power Flow for AC/DC Hybrid Power Systems Using Bauer's Eta Algorithm. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 36, 3595-3606	7	2
316	Model-Free Emergency Frequency Control Based on Reinforcement Learning. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 2336-2346	11.9	33
315	Consumer Psychology Based Optimal Portfolio Design for Demand Response Aggregators. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2021</b> , 9, 431-439	4	6
314	Network reconfiguration and distributed energy resource scheduling for improved distribution system resilience. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 124, 106355	5.1	39
313	Conic Programming for Circuit Equations With Rational Current Controlled Resistors. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 496-500	3.5	
312	Quantitative Model of the Electricity-Shifting Curve in an Energy Hub Based on Aggregated Utility Curve of Multi-Energy Demands. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 12, 1329-1345	10.7	8
311	Characteristics of locational uncertainty marginal price for correlated uncertainties of variable renewable generation and demands. <i>Applied Energy</i> , <b>2021</b> , 282, 116064	10.7	5
310	Intelligent multi-zone residential HVAC control strategy based on deep reinforcement learning. <i>Applied Energy</i> , <b>2021</b> , 281, 116117	10.7	38
309	Multi-task deep reinforcement learning for intelligent multi-zone residential HVAC control. <i>Electric Power Systems Research</i> , <b>2021</b> , 192, 106959	3.5	17
308	Profit-Oriented False Data Injection on Electricity Market: Reviews, Analyses, and Insights. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 5876-5886	11.9	8
307	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> , <b>2021</b> , 125, 106452	5.1	1
306	From Systematic Risk to Systemic Risk: Analysis Over Day-Ahead Market Operation Under High Renewable Penetration by CoVaR and Marginal CoVaR. <i>IEEE Transactions on Sustainable Energy</i> , <b>2021</b> , 12, 761-771	8.2	3
305	Hybrid Symbolic-Numeric Framework for Power System Modeling and Analysis. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 36, 1373-1384	7	6

304	Market-Level Defense Against FDIA and a New LMP-Disguising Attack Strategy in Real-Time Market Operations. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 36, 1419-1431	7	11
303	Graph Computing Based Distributed Parallel Power Flow for AC/DC Systems with Improved Initial Estimate. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2021</b> , 9, 253-263	4	2
302	. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	2
301	Hybrid Imitation Learning for Real-Time Service Restoration in Resilient Distribution Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	3
300	Stability Assessment of Secondary Frequency Control System With Dynamic False Data Injection Attacks. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	2
299	Collection System Topology for Deep-sea Offshore Wind Farms Considering Wind Characteristics. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	2
298	Privacy-Preserving Baseline Load Reconstruction for Residential Demand Response Considering Distributed Energy Resources. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	1
297	Branching Dueling Q-Network Based Online Scheduling of a Microgrid With Distributed Energy Storage Systems. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 1-1	10.7	1
296	Encoding Frequency Constraints in Preventive Unit Commitment Using Deep Learning with Region-of-Interest Active Sampling. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	4
295	. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	1
294	Data-Driven Joint Voltage Stability Assessment Considering Load Uncertainty: A Variational Bayes Inference Integrated with Multi-CNNs. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	2
293	Model-Based and Data-Driven HVAC Control Strategies for Residential Demand Response. <i>IEEE Open Access Journal of Power and Energy</i> , <b>2021</b> , 8, 186-197	3.8	7
292	Conic Optimal Energy Flow of Integrated Electricity and Natural Gas Systems. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2021</b> , 9, 963-967	4	
291	Deep Learning based Model-free Robust Load Restoration to Enhance Bulk System Resilience with Wind Power Penetration. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	3
290	Cyber-Vulnerability Analysis for Real-Time Power Market Operation. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 12, 3527-3537	10.7	3
289	Resilience-Oriented DG Siting and Sizing Considering Stochastic Scenario Reduction. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 36, 3715-3727	7	6
288	A multi-market nanogrid P2P energy and ancillary service trading paradigm: Mechanisms and implementations. <i>Applied Energy</i> , <b>2021</b> , 293, 116938	10.7	9
287	A Comprehensive Scheduling Framework Using SP-ADMM for Residential Demand Response With Weather and Consumer Uncertainties. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 36, 3004-3016	7	5

286	Risk assessment and mitigation on area-level RoCoF for operational planning. <i>Energy</i> , <b>2021</b> , 228, 1206327.9	3
285	Tri-Level Scheduling Model Considering Residential Demand Flexibility of Aggregated HVACs and EVs Under Distribution LMP. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 12, 3990-4002	10.7 9
284	Decentralized Data-Driven Load Restoration in Coupled Transmission and Distribution System With Wind Power. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 36, 4435-4444	7 7
283	Effective Parallelism for Equation and Jacobian Evaluation in Large-Scale Power Flow Calculation. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 36, 4872-4875	7 2
282	Three-phase DLMP model based on linearized power flow for distribution with application to DER benefit studies. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 130, 106884	5.1 3
281	Post-extreme-event restoration using linear topological constraints and DER scheduling to enhance distribution system resilience. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 131, 107029	5.1 11
280	Total supply and accommodation capability curves for active distribution networks: Concept and model. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 133, 107279	5.1 1
279	Dynamic game-based defensive primary frequency control system considering intelligent attackers. <i>Reliability Engineering and System Safety</i> , <b>2021</b> , 216, 107966	6.3 1
278	Estimating DLMP confidence intervals in distribution networks with AC power flow model and uncertain renewable generation. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 1467-1475	2.5 9
277	Power Grid Simulation Testbed for Transactive Energy Management Systems. <i>Sustainability</i> , <b>2020</b> , 12, 4402	3.6 3
276	A Scalable and Distributed Algorithm for Managing Residential Demand Response Programs Using Alternating Direction Method of Multipliers (ADMM). <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 4871-4882	10.7 19
275	When East meets West: Understanding residents' home energy management system adoption intention and willingness to pay in Japan and the United States. <i>Energy Research and Social Science</i> , <b>2020</b> , 69, 101616	7.7 24
274	Electric Vehicle Aggregator Modeling and Control for Frequency Regulation Considering Progressive State Recovery. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 4176-4189	10.7 19
273	Negative Reactance Impacts Power Flow Convergence Using Conjugate Gradient Method. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2020</b> , 67, 2527-2531	3.5
272	Hierarchical service restoration scheme for active distribution networks based on ADMM. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 118, 105809	5.1 6
271	State-shift priority based progressive load control of residential HVAC units for frequency regulation. <i>Electric Power Systems Research</i> , <b>2020</b> , 182, 106194	3.5 4
270	A Large-Scale Testbed as a Virtual Power Grid: For Closed-Loop Controls in Research and Testing. <i>IEEE Power and Energy Magazine</i> , <b>2020</b> , 18, 60-68	2.4 9
269	Fast Cascading Outage Screening Based on Deep Convolutional Neural Network and Depth-First Search. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 2704-2715	7 8

268	ADMM-based distributed optimal reactive power control for loss minimization of DFIG-based wind farms. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 118, 105827	5.1	13
267	Coordinated Bidding Strategy of Wind Farms and Power-to-Gas Facilities Using a Cooperative Game Approach. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 2545-2555	8.2	57
266	Overvoltage Mitigation through Volt-VAR Control of Distributed PV Systems <b>2020</b> ,		1
265	Residential HVAC Aggregation Based on Risk-averse Multi-armed Bandit Learning for Secondary Frequency Regulation. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2020</b> , 8, 1160-1167	4	16
264	Deep Reinforcement Learning for Residential HVAC Control with Consideration of Human Occupancy <b>2020</b> ,		4
263	Cyber-physical system testbed for power system monitoring and wide-area control verification. <i>IET Energy Systems Integration</i> , <b>2020</b> , 2, 32-39	3.3	12
262	Resilient distribution system leveraging distributed generation and microgrids: a review. <i>IET Energy Systems Integration</i> , <b>2020</b> , 2, 289-304	3.3	8
261	Stochastic subspace identification based data-driven approach for monitoring electromechanical dynamics from phasor measurement units. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 3983-3991	2.5	1
260	Extended Park's vector method in early inter-turn short circuit fault detection for the stator windings of offshore wind doubly-fed induction generators. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 3905-3912	2.5	5
259	5G network-based Internet of Things for demand response in smart grid: A survey on application potential. <i>Applied Energy</i> , <b>2020</b> , 257, 113972	10.7	125
258	A comparison study on trading behavior and profit distribution in local energy transaction games. <i>Applied Energy</i> , <b>2020</b> , 280, 115941	10.7	10
257	Decentralized optimization operation for the multiple integrated energy systems with energy cascade utilization. <i>Applied Energy</i> , <b>2020</b> , 280, 115989	10.7	16
256	Tight Semidefinite Relaxation for Interval Power Flow Model Based on Multi-Dimensional Holomorphic Embedding Method. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 1-1	7	2
255	Editorial on Special Section: Invited Papers on Emerging Topics in the Power and Energy Society. <i>IEEE Open Access Journal of Power and Energy</i> , <b>2020</b> , 7, 329-330	3.8	
254	A Hierarchical Real-Time Balancing Market Considering Multi-Microgrids With Distributed Sustainable Resources. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 72-83	8.2	29
253	Interval Optimization for Available Transfer Capability Evaluation Considering Wind Power Uncertainty. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 250-259	8.2	15
252	Bootstrap-based confidence interval estimation for thermal security region of bulk power grid. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 115, 105498	5.1	6
251	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> , <b>2020</b> , 116, 105549	5.1	10

250	Security region of natural gas network in electricity-gas integrated energy system. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 117, 105601	5.1	19
249	Estimating the Profile of Incentive-Based Demand Response (IBDR) by Integrating Technical Models and Social-Behavioral Factors. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 171-183	10.7	43
248	Intelligent Multi-Microgrid Energy Management Based on Deep Neural Network and Model-Free Reinforcement Learning. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 1066-1076	10.7	90
247	State Space Model of Aggregated Electric Vehicles for Frequency Regulation. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 981-994	10.7	25
246	Adjustable and distributionally robust chance-constrained economic dispatch considering wind power uncertainty. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2019</b> , 7, 658-664	4	7
245	Adjustable robust power dispatch with combined wind-storage system and carbon capture power plants under low-carbon economy. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2019</b> , 113, 772-781	5.1	13
244	Thermostatic Load Control for System Frequency Regulation Considering Daily Demand Profile and Progressive Recovery. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 6259-6270	10.7	37
243	Comprehensive Review of the Recent Advances in Industrial and Commercial DR. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 3757-3771	11.9	27
242	Grouping control strategy for aggregated thermostatically controlled loads. <i>Electric Power Systems Research</i> , <b>2019</b> , 171, 97-104	3.5	6
241	Progressive time-differentiated peak pricing (PTPP) for aggregated air-conditioning load in demand response programs. <i>International Transactions on Electrical Energy Systems</i> , <b>2019</b> , 29, e2664	2.2	6
240	A Generic Framework for Analytical Probabilistic Assessment of Frequency Stability in Modern Power System Operational Planning. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 3973-3976	7	6
239	Achieving 100x Acceleration for N-1 Contingency Screening With Uncertain Scenarios Using Deep Convolutional Neural Network. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 3303-3305	7	29
238	Zigzag search for multi-objective optimization considering generation cost and emission. <i>Applied Energy</i> , <b>2019</b> , 255, 113814	10.7	5
237	Using virtual buses and optimal multipliers to converge the sequential AC/DC power flow under high load cases. <i>Electric Power Systems Research</i> , <b>2019</b> , 177, 106015	3.5	4
236	An Equivalent Aggregated Model of Large-Scale Flexible Loads for Load Scheduling. <i>IEEE Access</i> , <b>2019</b> , 7, 143431-143444	3.5	6
235	A Graph Computation based Sequential Power Flow Calculation for Large-Scale AC/DC Systems <b>2019</b> ,		2
234	Synchrophasor Measurement-based Modal Analysis in Power Grids <b>2019</b> ,		2
233	A Sparse and Low-Order Implementation for Discretization-Based Eigen-Analysis of Power Systems With Time-Delays. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 5091-5094	7	5

232	Enabling Model-Based LTI for Large-Scale Power System Security Monitoring and Enhancement With Graph-Computing-Based Power Flow Calculation. <i>IEEE Access</i> , <b>2019</b> , 7, 167010-167018	3.5	3
231	A Distributed Energy Management Approach for Residential Demand Response <b>2019</b> ,		4
230	Introducing Uncertainty Components in Locational Marginal Prices for Pricing Wind Power and Load Uncertainties. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 2013-2024	7	39
229	Droop Control for DC Multi-Microgrids Based on Local Adaptive Fuzzy Approach and Global Power Allocation Correction. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 5468-5478	10.7	14
228	Reliability assessment method of composite power system with wind farms and its application in capacity credit evaluation of wind farms. <i>Electric Power Systems Research</i> , <b>2019</b> , 166, 73-82	3.5	18
227	Impacts of Cyber System on Microgrid Operational Reliability. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 105-115	10.7	42
226	Clustering Load Profiles for Demand Response Applications. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 1599-1607	10.7	42
225	Mixed-Integer Linear Programming-Based Splitting Strategies for Power System Islanding Operation Considering Network Connectivity. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 350-359	4.3	39
224	A measurement-based VSI for voltage dependent loads using angle difference between tangent lines of load and PV curves. <i>Electric Power Systems Research</i> , <b>2018</b> , 160, 13-16	3.5	6
223	. <i>IEEE Power and Energy Magazine</i> , <b>2018</b> , 16, 76-84	2.4	32
222	Available transfer capability evaluation in a deregulated electricity market considering correlated wind power. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 53-61	2.5	14
221	. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 6355-6367	7	64
220	A cooperative game approach for coordinating multi-microgrid operation within distribution systems. <i>Applied Energy</i> , <b>2018</b> , 222, 383-395	10.7	91
219	Wind power forecasting based on outlier smooth transition autoregressive GARCH model. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2018</b> , 6, 532-539	4	14
218	. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 438-448	10.7	148
217	A Framework of Residential Demand Aggregation With Financial Incentives. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 497-505	10.7	77
216	A Hierarchical Modeling for Reactive Power Optimization With Joint Transmission and Distribution Networks by Curve Fitting. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 2739-2748	4.3	20
215	Distributed energy storage planning in soft open point based active distribution networks incorporating network reconfiguration and DG reactive power capability. <i>Applied Energy</i> , <b>2018</b> , 210, 1082-1091	10.7	78



214	Distribution Locational Marginal Pricing (DLMP) for Congestion Management and Voltage Support. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 4061-4073	7	143
213	Bilevel Arbitrage Potential Evaluation for Grid-Scale Energy Storage Considering Wind Power and LMP Smoothing Effect. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 707-718	8.2	36
212	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> , <b>2018</b> , 96, 222-237	5.1	9
211	A multi-uncertainty-set based two-stage robust optimization to defender-attacker-defender model for power system protection. <i>Reliability Engineering and System Safety</i> , <b>2018</b> , 169, 179-186	6.3	16
210	Dynamic demand control for system frequency regulation: Concept review, algorithm comparison, and future vision. <i>Electric Power Systems Research</i> , <b>2018</b> , 154, 75-87	3.5	71
209	Mean-Variance Optimization-Based Energy Storage Scheduling Considering Day-Ahead and Real-Time LMP Uncertainties. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 7292-7295	7	19
208	Hybrid component and configuration model for combined-cycle units in unit commitment problem. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2018</b> , 6, 1332-1337	4	6
207	Graph Computation based Power Flow for Large-Scale AC/DC System <b>2018</b> ,		4
206	Integrating a Multi-microgrid System into Real-time Balancing Market: Problem Formulation and Solution Technique <b>2018</b> ,		2
205	Analytical Approach to Estimating the Probability of Transient Stability under Stochastic Disturbances <b>2018</b> ,		1
204	Capacity Market Model Considering Flexible Resource Requirements <b>2018</b> ,		2
203	Extended LMP under High-Penetration Wind Power <b>2018</b> ,		1
202	Guest Editorial Special Section on Industrial and Commercial Demand Response. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 5017-5019	11.9	2
201	Optimal Sizing and Operation Strategy for Hybrid Energy Storage Systems Considering Wind Uncertainty <b>2018</b> ,		1
200	ANDES: A Python-Based Cyber-Physical Power System Simulation Tool <b>2018</b> ,		3
199	Impact of Neutral Current on Concentric Cable Overloading <b>2018</b> ,		2
198	Modelling wind power spatial-temporal correlation in multi-interval optimal power flow: A sparse correlation matrix approach. <i>Applied Energy</i> , <b>2018</b> , 230, 531-539	10.7	23
197	Estimating electromechanical oscillation modes from synchrophasor measurements in China Southern Power Grid. <i>Electric Power Systems Research</i> , <b>2018</b> , 161, 212-223	3.5	3

196	Estimating electromechanical oscillation modes from synchrophasor measurements in bulk power grids using FSSI. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 2347-2358	2.5	5
195	Observation of Security Region Boundary for Smart Distribution Grid. <i>IEEE Transactions on Smart Grid</i> , <b>2017</b> , 8, 1731-1738	10.7	36
194	Spectral clustering-based partitioning of volt/VAR control areas in bulk power systems. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 1126-1133	2.5	15
193	GPU-Based Fast Decoupled Power Flow With Preconditioned Iterative Solver and Inexact Newton Method. <i>IEEE Transactions on Power Systems</i> , <b>2017</b> , 32, 2695-2703	7	34
192	Wide-area measurement-based voltage stability sensitivity and its application in voltage control. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2017</b> , 88, 87-98	5.1	18
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