Fangxing Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7688981/publications.pdf

Version: 2024-02-01

397 papers	12,929 citations	26630 56 h-index	36028 97 g-index
401 all docs	401 docs citations	401 times ranked	8306 citing authors

#	Article	IF	Citations
1	Smart Transmission Grid: Vision and Framework. IEEE Transactions on Smart Grid, 2010, 1, 168-177.	9.0	829
2	Interval optimization based operating strategy for gas-electricity integrated energy systems considering demand response and wind uncertainty. Applied Energy, 2016, 167, 270-279.	10.1	318
3	DCOPF-Based LMP Simulation: Algorithm, Comparison With ACOPF, and Sensitivity. IEEE Transactions on Power Systems, 2007, 22, 1475-1485.	6.5	299
4	Coordinated V-f and P-Q Control of Solar Photovoltaic Generators With MPPT and Battery Storage in Microgrids. IEEE Transactions on Smart Grid, 2014, 5, 1270-1281.	9.0	297
5	Next-Generation Monitoring, Analysis, and Control for the Future Smart Control Center. IEEE Transactions on Smart Grid, 2010, 1, 186-192.	9.0	289
6	Distribution Locational Marginal Pricing (DLMP) for Congestion Management and Voltage Support. IEEE Transactions on Power Systems, 2018, 33, 4061-4073.	6.5	265
7	Novel Linearized Power Flow and Linearized OPF Models for Active Distribution Networks With Application in Distribution LMP. IEEE Transactions on Smart Grid, 2018, 9, 438-448.	9.0	253
8	Demand Response for Residential Appliances via Customer Reward Scheme. IEEE Transactions on Smart Grid, 2014, 5, 809-820.	9.0	248
9	5G network-based Internet of Things for demand response in smart grid: A survey on application potential. Applied Energy, 2020, 257, 113972.	10.1	224
10	Intelligent Multi-Microgrid Energy Management Based on Deep Neural Network and Model-Free Reinforcement Learning. IEEE Transactions on Smart Grid, 2020, 11, 1066-1076.	9.0	214
11	Hardware Design of Smart Home Energy Management System With Dynamic Price Response. IEEE Transactions on Smart Grid, 2013, 4, 1878-1887.	9.0	208
12	Review of Reactive Power Planning: Objectives, Constraints, and Algorithms. IEEE Transactions on Power Systems, 2007, 22, 2177-2186.	6.5	192
13	Analytical Method to Aggregate Multi-Machine SFR Model With Applications in Power System Dynamic Studies. IEEE Transactions on Power Systems, 2018, 33, 6355-6367.	6.5	179
14	Sizing of Energy Storage and Diesel Generators in an Isolated Microgrid Using Discrete Fourier Transform (DFT). IEEE Transactions on Sustainable Energy, 2014, 5, 907-916.	8.8	174
15	Maximum Power Point Tracking Strategy for Large-Scale Wind Generation Systems Considering Wind Turbine Dynamics. IEEE Transactions on Industrial Electronics, 2015, 62, 2530-2539.	7.9	163
16	Coordinated Microgrid Frequency Regulation Based on DFIG Variable Coefficient Using Virtual Inertia and Primary Frequency Control. IEEE Transactions on Energy Conversion, 2016, 31, 833-845.	5.2	162
17	Coupon-Based Demand Response Considering Wind Power Uncertainty: A Strategic Bidding Model for Load Serving Entities. IEEE Transactions on Power Systems, 2016, 31, 1025-1037.	6.5	151
18	Small-Signal Stability Analysis of a DFIG-Based Wind Power System Under Different Modes of Operation. IEEE Transactions on Energy Conversion, 2009, 24, 972-982.	5.2	148

#	Article	IF	Citations
19	A cooperative game approach for coordinating multi-microgrid operation within distribution systems. Applied Energy, 2018, 222, 383-395.	10.1	145
20	Day-ahead coordinated operation of utility-scale electricity and natural gas networks considering demand response based virtual power plants. Applied Energy, 2016, 176, 183-195.	10.1	134
21	Intelligent multi-zone residential HVAC control strategy based on deep reinforcement learning. Applied Energy, 2021, 281, 116117.	10.1	130
22	Adaptive Voltage Control With Distributed Energy Resources: Algorithm, Theoretical Analysis, Simulation, and Field Test Verification. IEEE Transactions on Power Systems, 2010, 25, 1638-1647.	6.5	126
23	Distributed energy storage planning in soft open point based active distribution networks incorporating network reconfiguration and DG reactive power capability. Applied Energy, 2018, 210, 1082-1091.	10.1	126
24	Probabilistic LMP Forecasting Considering Load Uncertainty. IEEE Transactions on Power Systems, 2009, 24, 1279-1289.	6.5	125
25	A Framework of Residential Demand Aggregation With Financial Incentives. IEEE Transactions on Smart Grid, 2018, 9, 497-505.	9.0	121
26	Adaptive PI Control of STATCOM for Voltage Regulation. IEEE Transactions on Power Delivery, 2014, 29, 1002-1011.	4.3	110
27	Network reconfiguration and distributed energy resource scheduling for improved distribution system resilience. International Journal of Electrical Power and Energy Systems, 2021, 124, 106355.	5.5	104
28	Continuous Locational Marginal Pricing (CLMP). IEEE Transactions on Power Systems, 2007, 22, 1638-1646.	6.5	99
29	Dynamic demand control for system frequency regulation: Concept review, algorithm comparison, and future vision. Electric Power Systems Research, 2018, 154, 75-87.	3.6	99
30	Coordinated Bidding Strategy of Wind Farms and Power-to-Gas Facilities Using a Cooperative Game Approach. IEEE Transactions on Sustainable Energy, 2020, 11, 2545-2555.	8.8	96
31	Clustering Load Profiles for Demand Response Applications. IEEE Transactions on Smart Grid, 2019, 10, 1599-1607.	9.0	89
32	Sensitivity Analysis of Load-Damping Characteristic in Power System Frequency Regulation. IEEE Transactions on Power Systems, 2013, 28, 1324-1335.	6.5	88
33	Congestion and Price Prediction Under Load Variation. IEEE Transactions on Power Systems, 2009, 24, 911-922.	6.5	85
34	Probabilistic Model of Payment Cost Minimization Considering Wind Power and Its Uncertainty. IEEE Transactions on Sustainable Energy, 2013, 4, 716-724.	8.8	80
35	Impacts of Cyber System on Microgrid Operational Reliability. IEEE Transactions on Smart Grid, 2019, 10, 105-115.	9.0	77
36	Estimating the Profile of Incentive-Based Demand Response (IBDR) by Integrating Technical Models and Social-Behavioral Factors. IEEE Transactions on Smart Grid, 2020, 11, 171-183.	9.0	75

#	Article	IF	Citations
37	Distribution system security region: definition, model and security assessment. IET Generation, Transmission and Distribution, 2012, 6, 1029.	2.5	73
38	Real-Time Price Based Home Energy Management Scheduler. IEEE Transactions on Power Systems, 2015, 30, 2149-2159.	6.5	73
39	AC vs. DC distribution: Maximum transfer capability. , 2008, , .		72
40	Model-Free Emergency Frequency Control Based on Reinforcement Learning. IEEE Transactions on Industrial Informatics, 2021, 17, 2336-2346.	11.3	72
41	Introducing Uncertainty Components in Locational Marginal Prices for Pricing Wind Power and Load Uncertainties. IEEE Transactions on Power Systems, 2019, 34, 2013-2024.	6.5	70
42	A Cost-Effective Approach of Prioritizing Distribution Maintenance Based on System Reliability. IEEE Transactions on Power Delivery, 2004, 19, 439-441.	4.3	67
43	Total supply capability and its extended indices for distribution systems: definition, model calculation and applications. IET Generation, Transmission and Distribution, 2011, 5, 869.	2.5	66
44	A Bi-Level Branch and Bound Method for Economic Dispatch With Disjoint Prohibited Zones Considering Network Losses. IEEE Transactions on Power Systems, 2015, 30, 2841-2855.	6.5	66
45	A Smart Home Test Bed for Undergraduate Education to Bridge the Curriculum Gap From Traditional Power Systems to Modernized Smart Grids. IEEE Transactions on Education, 2015, 58, 32-38.	2.4	65
46	From AlphaGo to Power System AI: What Engineers Can Learn from Solving the Most Complex Board Game. IEEE Power and Energy Magazine, 2018, 16, 76-84.	1.6	65
47	Observation of Security Region Boundary for Smart Distribution Grid. IEEE Transactions on Smart Grid, 2017, 8, 1731-1738.	9.0	64
48	Thermostatic Load Control for System Frequency Regulation Considering Daily Demand Profile and Progressive Recovery. IEEE Transactions on Smart Grid, 2019, 10, 6259-6270.	9.0	64
49	A Resilient Real-Time System Design for a Secure and Reconfigurable Power Grid. IEEE Transactions on Smart Grid, 2011, 2, 770-781.	9.0	63
50	Data quality issues for synchrophasor applications Part I: a review. Journal of Modern Power Systems and Clean Energy, 2016, 4, 342-352.	5.4	63
51	Interval Power Flow Analysis Using Linear Relaxation and Optimality-Based Bounds Tightening (OBBT) Methods. IEEE Transactions on Power Systems, 2015, 30, 177-188.	6.5	62
52	Achieving 100x Acceleration for N-1 Contingency Screening With Uncertain Scenarios Using Deep Convolutional Neural Network. IEEE Transactions on Power Systems, 2019, 34, 3303-3305.	6.5	62
53	Genetic Algorithms for Optimal Reactive Power Compensation on the National Grid System. IEEE Transactions on Power Systems, 2005, 20, 493-500.	6.5	61
54	Autonomous and adaptive voltage control using multiple distributed energy resources. IEEE Transactions on Power Systems, 2013, 28, 718-730.	6.5	61

#	Article	IF	Citations
55	Mixed-Integer Linear Programming-Based Splitting Strategies for Power System Islanding Operation Considering Network Connectivity. IEEE Systems Journal, 2018, 12, 350-359.	4.6	61
56	Day-ahead optimal scheduling method for grid-connected microgrid based on energy storage control strategy. Journal of Modern Power Systems and Clean Energy, 2016, 4, 648-658.	5.4	59
57	Second-Order Cone Programming-Based Optimal Control Strategy for Wind Energy Conversion Systems Over Complete Operating Regions. IEEE Transactions on Sustainable Energy, 2015, 6, 263-271.	8.8	58
58	GPU-Based Fast Decoupled Power Flow With Preconditioned Iterative Solver and Inexact Newton Method. IEEE Transactions on Power Systems, 2017, 32, 2695-2703.	6.5	58
59	A Bilevel Optimization Model for Risk Assessment and Contingency Ranking in Transmission System Reliability Evaluation. IEEE Transactions on Power Systems, 2017, 32, 3803-3813.	6.5	58
60	Strategic scheduling of energy storage for load serving entities in locational marginal pricing market. IET Generation, Transmission and Distribution, 2016, 10, 1258-1267.	2.5	56
61	Comprehensive Review of the Recent Advances in Industrial and Commercial DR. IEEE Transactions on Industrial Informatics, 2019, 15, 3757-3771.	11.3	56
62	State Space Model of Aggregated Electric Vehicles for Frequency Regulation. IEEE Transactions on Smart Grid, 2020, 11, 981-994.	9.0	56
63	A nonintrusive load identification method for residential applications based on quadratic programming. Electric Power Systems Research, 2016, 133, 241-248.	3.6	55
64	A Scalable and Distributed Algorithm for Managing Residential Demand Response Programs Using Alternating Direction Method of Multipliers (ADMM). IEEE Transactions on Smart Grid, 2020, 11, 4871-4882.	9.0	54
65	Reactive power planning under high penetration of wind energy using Benders decomposition. IET Generation, Transmission and Distribution, 2015, 9, 1835-1844.	2.5	53
66	Enhancing distribution system resilience against extreme weather events: Concept review, algorithm summary, and future vision. International Journal of Electrical Power and Energy Systems, 2022, 138, 107860.	5.5	53
67	Vulnerability assessment for cascading failures in electric power systems. , 2009, , .		51
68	Robust Scheduling for Wind Integrated Energy Systems Considering Gas Pipeline and Power Transmission N-1 Contingencies. IEEE Transactions on Power Systems, 2016, , 1-1.	6.5	51
69	Bilevel Arbitrage Potential Evaluation for Grid-Scale Energy Storage Considering Wind Power and LMP Smoothing Effect. IEEE Transactions on Sustainable Energy, 2018, 9, 707-718.	8.8	51
70	A Hierarchical Real-Time Balancing Market Considering Multi-Microgrids With Distributed Sustainable Resources. IEEE Transactions on Sustainable Energy, 2020, 11, 72-83.	8.8	51
71	Coordinated Tuning of DFIG-Based Wind Turbines and Batteries Using Bacteria Foraging Technique for Maintaining Constant Grid Power Output. IEEE Systems Journal, 2012, 6, 16-26.	4.6	50
72	P-Q and P-V Control of Photovoltaic Generators in Distribution Systems. IEEE Transactions on Smart Grid, 2015, 6, 2929-2941.	9.0	48

#	Article	IF	Citations
73	When East meets West: Understanding residentsâ€™ home energy management system adoption intention and willingness to pay in Japan and the United States. Energy Research and Social Science, 2020, 69, 101616.	6.4	48
74	Electric Vehicle Aggregator Modeling and Control for Frequency Regulation Considering Progressive State Recovery. IEEE Transactions on Smart Grid, 2020, 11, 4176-4189.	9.0	48
75	Reliability models of wind farms considering wind speed correlation and WTG outage. Electric Power Systems Research, 2015, 119, 385-392.	3.6	47
76	Tri-Level Scheduling Model Considering Residential Demand Flexibility of Aggregated HVACs and EVs Under Distribution LMP. IEEE Transactions on Smart Grid, 2021, 12, 3990-4002.	9.0	47
77	A hybrid dynamic demand control strategy for power system frequency regulation. CSEE Journal of Power and Energy Systems, 2017, 3, 176-185.	1.1	46
78	Reliability assessment method of composite power system with wind farms and its application in capacity credit evaluation of wind farms. Electric Power Systems Research, 2019, 166, 73-82.	3.6	45
79	A vision of smart transmission grids. , 2009, , .		43
80	GPU-based power flow analysis with Chebyshev preconditioner and conjugate gradient method. Electric Power Systems Research, 2014, 116, 87-93.	3.6	43
81	A Robust Two-Level Coordinated Static Voltage Security Region for Centrally Integrated Wind Farms. IEEE Transactions on Smart Grid, 2016, 7, 460-470.	9.0	43
82	Dynamic Gain-Tuning Control (DGTC) Approach for AGC With Effects of Wind Power. IEEE Transactions on Power Systems, 2016, 31, 3339-3348.	6.5	43
83	Reactive Power Planning Based on Fuzzy Clustering, Gray Code, and Simulated Annealing. IEEE Transactions on Power Systems, 2011, 26, 2246-2255.	6.5	42
84	Decentralized optimization operation for the multiple integrated energy systems with energy cascade utilization. Applied Energy, 2020, 280, 115989.	10.1	42
85	Data quality issues for synchrophasor applications Part II: problem formulation and potential solutions. Journal of Modern Power Systems and Clean Energy, 2016, 4, 353-361.	5.4	41
86	Adaptive voltage control with distributed energy resources: Algorithm, theoretical analysis, simulation, and field test verification. , 2011, , .		40
87	Reactive Power from Distributed Energy. Electricity Journal, 2006, 19, 27-38.	2.5	39
88	Projection Pursuit: A General Methodology of Wide-Area Coherency Detection in Bulk Power Grid. IEEE Transactions on Power Systems, 2016, 31, 2776-2786.	6.5	39
89	An islanding detection methodology combining decision trees and Sandia frequency shift for inverterâ€based distributed generations. IET Generation, Transmission and Distribution, 2017, 11, 4104-4113.	2.5	39
90	Energy Management System for Stand-Alone Wind-Powered-Desalination Microgrid. IEEE Transactions on Smart Grid, 2014, , 1-1.	9.0	38

#	Article	IF	Citations
91	Security region of natural gas network in electricity-gas integrated energy system. International Journal of Electrical Power and Energy Systems, 2020, 117, 105601.	5.5	38
92	Small test systems for power system economic studies. , 2010, , .		37
93	Interval radial power flow using extended DistFlow formulation and Krawczyk iteration method with sparse approximate inverse preconditioner. IET Generation, Transmission and Distribution, 2015, 9, 1998-2006.	2.5	37
94	A Hierarchical Modeling for Reactive Power Optimization With Joint Transmission and Distribution Networks by Curve Fitting. IEEE Systems Journal, 2018, 12, 2739-2748.	4.6	37
95	Modelling wind power spatial-temporal correlation in multi-interval optimal power flow: A sparse correlation matrix approach. Applied Energy, 2018, 230, 531-539.	10.1	37
96	Mean-Variance Optimization-Based Energy Storage Scheduling Considering Day-Ahead and Real-Time LMP Uncertainties. IEEE Transactions on Power Systems, 2018, 33, 7292-7295.	6.5	37
97	Distributed Processing of Reliability Index Assessment and Reliability-Based Network Reconfiguration in Power Distribution Systems. IEEE Transactions on Power Systems, 2005, 20, 230-238.	6.5	36
98	A Bounded Model of the Communication Delay for System Integrity Protection Schemes. IEEE Transactions on Power Delivery, 2016, 31, 1921-1933.	4.3	36
99	Adjustable robust power dispatch with combined wind-storage system and carbon capture power plants under low-carbon economy. International Journal of Electrical Power and Energy Systems, 2019, 113, 772-781.	5.5	36
100	Deep Reinforcement Learning-Based Model-Free On-Line Dynamic Multi-Microgrid Formation to Enhance Resilience. IEEE Transactions on Smart Grid, 2022, 13, 2557-2567.	9.0	36
101	Stochastic subspace identificationâ€based approach for tracking interâ€area oscillatory modes in bulk power system utilising synchrophasor measurements. IET Generation, Transmission and Distribution, 2015, 9, 2409-2418.	2.5	35
102	Droop Control for DC Multi-Microgrids Based on Local Adaptive Fuzzy Approach and Global Power Allocation Correction. IEEE Transactions on Smart Grid, 2019, 10, 5468-5478.	9.0	35
103	Interval Optimization for Available Transfer Capability Evaluation Considering Wind Power Uncertainty. IEEE Transactions on Sustainable Energy, 2020, 11, 250-259.	8.8	35
104	Hierarchical Optimization for the Double-Sided Ring Structure of the Collector System Planning of Large Offshore Wind Farms. IEEE Transactions on Sustainable Energy, 2017, 8, 1029-1039.	8.8	34
105	A comparison study on trading behavior and profit distribution in local energy transaction games. Applied Energy, 2020, 280, 115941.	10.1	34
106	Hybrid voltage stability assessment (VSA) for Nâ^' 1 contingency. Electric Power Systems Research, 2015, 122, 65-75.	3.6	33
107	Economic dispatch of wind integrated power systems with energy storage considering composite operating costs. IET Generation, Transmission and Distribution, 2016, 10, 1294-1303.	2.5	33
108	Residential HVAC Aggregation Based on Risk-averse Multi-armed Bandit Learning for Secondary Frequency Regulation. Journal of Modern Power Systems and Clean Energy, 2020, 8, 1160-1167.	5.4	32

#	Article	IF	Citations
109	A comparative study of measurement-based Thevenin equivalents identification methods. , 2014, , .		31
110	Multi-task deep reinforcement learning for intelligent multi-zone residential HVAC control. Electric Power Systems Research, 2021, 192, 106959.	3.6	31
111	Lift-and-project MVEE based convex hull for robust SCED with wind power integration using historical data-driven modeling approach. Renewable Energy, 2016, 92, 415-427.	8.9	30
112	Adjustable robust optimal power flow with the price of robustness for largeâ€scale power systems. IET Generation, Transmission and Distribution, 2016, 10, 164-174.	2.5	30
113	Hybrid Symbolic-Numeric Framework for Power System Modeling and Analysis. IEEE Transactions on Power Systems, 2021, 36, 1373-1384.	6.5	30
114	Resilience-Oriented DG Siting and Sizing Considering Stochastic Scenario Reduction. IEEE Transactions on Power Systems, 2021, 36, 3715-3727.	6.5	30
115	Post-extreme-event restoration using linear topological constraints and DER scheduling to enhance distribution system resilience. International Journal of Electrical Power and Energy Systems, 2021, 131, 107029.	5.5	30
116	Stochastic Planning of Integrated Energy System via Frank-Copula Function and Scenario Reduction. IEEE Transactions on Smart Grid, 2022, 13, 202-212.	9.0	30
117	Integrating micro-generation into distribution systems — a review of recent research. , 2008, , .		29
118	Computing All Nash Equilibria of Multiplayer Games in Electricity Markets by Solving Polynomial Equations. IEEE Transactions on Power Systems, 2012, 27, 81-91.	6.5	29
119	Optimal design of battery energy storage system for a windâ€“diesel offâ€grid power system in a remote Canadian community. IET Generation, Transmission and Distribution, 2016, 10, 608-616.	2.5	29
120	Wind power forecasting based on outlier smooth transition autoregressive GARCH model. Journal of Modern Power Systems and Clean Energy, 2018, 6, 532-539.	5.4	29
121	Modeling Dynamic Demand Response Using Monte Carlo Simulation and Interval Mathematics for Boundary Estimation. IEEE Transactions on Smart Grid, 2015, 6, 2704-2713.	9.0	28
122	Spectral clusteringâ€based partitioning of volt/VAR control areas in bulk power systems. IET Generation, Transmission and Distribution, 2017, 11, 1126-1133.	2.5	28
123	Wide-area measurement-based voltage stability sensitivity and its application in voltage control. International Journal of Electrical Power and Energy Systems, 2017, 88, 87-98.	5.5	28
124	Model-Based and Data-Driven HVAC Control Strategies for Residential Demand Response. IEEE Open Access Journal of Power and Energy, 2021, 8, 186-197.	3.4	28
125	A Comprehensive Scheduling Framework Using SP-ADMM for Residential Demand Response With Weather and Consumer Uncertainties. IEEE Transactions on Power Systems, 2021, 36, 3004-3016.	6.5	28
126	Transmission-and-Distribution Dynamic Co-Simulation Framework for Distributed Energy Resource Frequency Response. IEEE Transactions on Smart Grid, 2022, 13, 482-495.	9.0	28

#	Article	IF	Citations
127	A linear contribution factor model of distribution reliability indices and its applications in monte carlo simulation and sensitivity analysis. IEEE Transactions on Power Systems, 2003, 18, 1213-1215.	6.5	27
128	Optimisation of rating and positioning of dispersed generation with minimum network disruption. , 0, , .		27
129	Model of distribution system total supply capability considering feeder and substation transformer contingencies. International Journal of Electrical Power and Energy Systems, 2015, 65, 419-424.	5.5	27
130	Encoding Frequency Constraints in Preventive Unit Commitment Using Deep Learning With Region-of-Interest Active Sampling. IEEE Transactions on Power Systems, 2022, 37, 1942-1955.	6.5	27
131	Resilient distribution system leveraging distributed generation and microgrids: a review. IET Energy Systems Integration, 2020, 2, 289-304.	1.8	27
132	Strategic CBDR bidding considering FTR and wind power. IET Generation, Transmission and Distribution, 2016, 10, 2464-2474.	2.5	25
133	Evaluation of LMP Intervals Considering Wind Uncertainty. IEEE Transactions on Power Systems, 2016, 31, 2495-2496.	6.5	25
134	Optimal Power Flow With the Consideration of Flexible Transmission Line Impedance. IEEE Transactions on Power Systems, 2016, 31, 1655-1656.	6.5	25
135	A multi-uncertainty-set based two-stage robust optimization to defenderâ€“attackerâ€“defender model for power system protection. Reliability Engineering and System Safety, 2018, 169, 179-186.	8.9	25
136	Improving an Unjustified Common Practice in Ex Post LMP Calculation. IEEE Transactions on Power Systems, 2010, 25, 1195-1197.	6.5	24
137	Fully reference-independent LMP decomposition using reference-independent loss factors. Electric Power Systems Research, 2011, 81, 1995-2004.	3.6	24
138	Semi-Definite Programming for Power Output Control in a Wind Energy Conversion System. IEEE Transactions on Sustainable Energy, 2014, 5, 466-475.	8.8	24
139	Fast Cascading Outage Screening Based on Deep Convolutional Neural Network and Depth-First Search. IEEE Transactions on Power Systems, 2020, 35, 2704-2715.	6.5	24
140	ADMM-based distributed optimal reactive power control for loss minimization of DFIG-based wind farms. International Journal of Electrical Power and Energy Systems, 2020, 118, 105827.	5.5	24
141	A multi-market nanogrid P2P energy and ancillary service trading paradigm: Mechanisms and implementations. Applied Energy, 2021, 293, 116938.	10.1	24
142	Cyberâ€physical system testbed for power system monitoring and wideâ€area control verification. IET Energy Systems Integration, 2020, 2, 32-39.	1.8	24
143	Real and reactive power control of a three-phase single-stage PV system and PV voltage stability. , 2012, , .		23
144	Measuring the volatility of wholesale electricity prices caused by wind power uncertainty with a correlation model. IET Renewable Power Generation, 2012, 6, 315-323.	3.1	22

#	Article	IF	Citations
145	Bidding strategy for wind generation considering conventional generation and transmission constraints. Journal of Modern Power Systems and Clean Energy, 2015, 3, 51-62.	5.4	22
146	Identification of voltage stability critical injection region in bulk power systems based on the relative gain of voltage coupling. IET Generation, Transmission and Distribution, 2016, 10, 1495-1503.	2.5	21
147	Available transfer capability evaluation in a deregulated electricity market considering correlated wind power. IET Generation, Transmission and Distribution, 2018, 12, 53-61.	2.5	21
148	Decentralized Data-Driven Load Restoration in Coupled Transmission and Distribution System With Wind Power. IEEE Transactions on Power Systems, 2021, 36, 4435-4444.	6.5	21
149	Distributed algorithms with theoretic scalability analysis of radial and looped load flows for power distribution systems. Electric Power Systems Research, 2003, 65, 169-177.	3.6	20
150	Flatness-based adaptive control (FBAC) for STATCOM. Electric Power Systems Research, 2015, 122, 76-85.	3.6	20
151	A Large-Scale Testbed as a Virtual Power Grid: For Closed-Loop Controls in Research and Testing. IEEE Power and Energy Magazine, 2020, 18, 60-68.	1.6	20
152	A Machine Learning-Based Vulnerability Analysis for Cascading Failures of Integrated Power-Gas Systems. IEEE Transactions on Power Systems, 2022, 37, 2259-2270.	6.5	20
153	A market simulation program for the standard market design and generation/transmission planning. , 0, , .		19
154	TS-fuzzy controlled DFIG based wind energy conversion systems. , 2009, , .		19
155	Exact Penalty Function Based Constraint Relaxation Method for Optimal Power Flow Considering Wind Generation Uncertainty. IEEE Transactions on Power Systems, 2015, 30, 1546-1547.	6.5	19
156	Distribution network reconfiguration with aggregated electric vehicle charging strategy. , 2015, , .		19
157	Deep Learning Based Model-Free Robust Load Restoration to Enhance Bulk System Resilience With Wind Power Penetration. IEEE Transactions on Power Systems, 2022, 37, 1969-1978.	6.5	19
158	Bi-level strategic bidding model for P2G facilities considering a carbon emission trading scheme-embedded LMP and wind power uncertainty. International Journal of Electrical Power and Energy Systems, 2021, 128, 106740.	5.5	19
159	Sâ€shaped droop control method with secondary frequency characteristics for inverters in microgrid. IET Generation, Transmission and Distribution, 2016, 10, 3385-3392.	2.5	18
160	An eigensystem realization algorithm based data-driven approach for extracting electromechanical oscillation dynamic patterns from synchrophasor measurements in bulk power grids. International Journal of Electrical Power and Energy Systems, 2020, 116, 105549.	5.5	18
161	Consumer Psychology Based Optimal Portfolio Design for Demand Response Aggregators. Journal of Modern Power Systems and Clean Energy, 2021, 9, 431-439.	5.4	18
162	Profit-Oriented False Data Injection on Electricity Market: Reviews, Analyses, and Insights. IEEE Transactions on Industrial Informatics, 2021, 17, 5876-5886.	11.3	18

#	Article	IF	Citations
163	Co-optimization of repairs and dynamic network reconfiguration for improved distribution system resilience. Applied Energy, 2022, 318, 119245.	10.1	18
164	A decision tree based approach for microgrid islanding detection. , 2015, , .		17
165	Application of battery-supercapacitor energy storage system for smoothing wind power output: An optimal coordinated control strategy. , 2016, , .		17
166	Loadability formulation and calculation for interconnected distribution systems considering N-1 security. International Journal of Electrical Power and Energy Systems, 2016, 77, 70-76.	5.5	17
167	Market-Level Defense Against FDIA and a New LMP-Disguising Attack Strategy in Real-Time Market Operations. IEEE Transactions on Power Systems, 2021, 36, 1419-1431.	6.5	17
168	Collection System Topology for Deep-Sea Offshore Wind Farms Considering Wind Characteristics. IEEE Transactions on Energy Conversion, 2022, 37, 631-642.	5.2	17
169	A Decentralized Market Model for a Microgrid With Carbon Emission Rights. IEEE Transactions on Smart Grid, 2023, 14, 1388-1402.	9.0	17
170	Marginal loss calculation in competitive electrical energy markets. , 0, , .		16
171	Security-Based Active Demand Response Strategy Considering Uncertainties in Power Systems. IEEE Access, 2017, 5, 16953-16962.	4.2	16
172	Hybrid Imitation Learning for Real-Time Service Restoration in Resilient Distribution Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 2089-2099.	11.3	16
173	Distributed generation planning in the deregulated electricity supply industry. , 0, , .		15
174	Synchrophasor measurementâ€based correlation approach for dominant mode identification in bulk power systems. IET Generation, Transmission and Distribution, 2016, 10, 2710-2719.	2.5	15
175	A bi-objective DC-optimal power flow model using linear relaxation-based second order cone programming and its Pareto Frontier. International Journal of Electrical Power and Energy Systems, 2017, 88, 13-20.	5.5	15
176	An Equivalent Aggregated Model of Large-Scale Flexible Loads for Load Scheduling. IEEE Access, 2019, 7, 143431-143444.	4.2	15
177	Adjustable and distributionally robust chance-constrained economic dispatch considering wind power uncertainty. Journal of Modern Power Systems and Clean Energy, 2019, 7, 658-664.	5.4	15
178	Quantitative Model of the Electricity-Shifting Curve in an Energy Hub Based on Aggregated Utility Curve of Multi-Energy Demands. IEEE Transactions on Smart Grid, 2021, 12, 1329-1345.	9.0	15
179	Optimal Demand Response Incorporating Distribution LMP With PV Generation Uncertainty. IEEE Transactions on Power Systems, 2022, 37, 982-995.	6.5	15
180	Data-Driven Joint Voltage Stability Assessment Considering Load Uncertainty: A Variational Bayes Inference Integrated With Multi-CNNs. IEEE Transactions on Power Systems, 2022, 37, 1904-1915.	6.5	15

#	Article	IF	Citations
181	Redesigning capacity market to include flexibility via ramp constraints in high-renewable penetrated system. International Journal of Electrical Power and Energy Systems, 2021, 128, 106677.	5.5	15
182	Software Framework Concepts for Power Distribution System Analysis. IEEE Transactions on Power Systems, 2004, 19, 948-956.	6.5	14
183	Volt/Var control using inverter-based distributed energy resources. , 2011, , .		14
184	A Probability-Driven Multilayer Framework for Scheduling Intermittent Renewable Energy. IEEE Transactions on Sustainable Energy, 2012, 3, 455-464.	8.8	14
185	Probabilistic available transfer capability evaluation for power systems including high penetration of wind power. , 2014, , .		14
186	Estimating DLMP confidence intervals in distribution networks with AC power flow model and uncertain renewable generation. IET Generation, Transmission and Distribution, 2020, 14, 1467-1475.	2.5	14
187	Hierarchical service restoration scheme for active distribution networks based on ADMM. International Journal of Electrical Power and Energy Systems, 2020, 118, 105809.	5.5	14
188	Evolutionary Game Based Demand Response Bidding Strategy for End-Users Using Q-Learning and Compound Differential Evolution. IEEE Transactions on Cloud Computing, 2022, 10, 97-110.	4.4	14
189	Properly understanding the impacts of distributed resources on distribution systems. , 2010, , .		13
190	Coordinating multi-microgrid operation within distribution system: A cooperative game approach. , 2017, , .		13
191	Multichannel continuous wavelet transform approach to estimate electromechanical oscillation modes, mode shapes and coherent groups from synchrophasors in bulk power grids. International Journal of Electrical Power and Energy Systems, 2018, 96, 222-237.	5.5	13
192	Characteristics of locational uncertainty marginal price for correlated uncertainties of variable renewable generation and demands. Applied Energy, 2021, 282, 116064.	10.1	13
193	Branching Dueling Q-Network-Based Online Scheduling of a Microgrid With Distributed Energy Storage Systems. IEEE Transactions on Smart Grid, 2021, 12, 5479-5482.	9.0	13
194	Extended Park's vector method in early interâ€turn short circuit fault detection for the stator windings of offshore wind doublyâ€fed induction generators. IET Generation, Transmission and Distribution, 2020, 14, 3905-3912.	2.5	13
195	Available transfer capability evaluation in electricity-dominated integrated hybrid energy systems with uncertain wind power: An interval optimization solution. Applied Energy, 2022, 314, 119001.	10.1	13
196	TSC-based Method to Enhance Asset Utilization of Interconnected Distribution Systems. IEEE Transactions on Smart Grid, 2016, , 1-1.	9.0	12
197	A Generic Framework for Analytical Probabilistic Assessment of Frequency Stability in Modern Power System Operational Planning. IEEE Transactions on Power Systems, 2019, 34, 3973-3976.	6.5	12
198	State-shift priority based progressive load control of residential HVAC units for frequency regulation. Electric Power Systems Research, 2020, 182, 106194.	3.6	12

#	Article	IF	Citations
199	Preserving Privacy in Nested Peer-to-Peer Energy Trading in Networked Microgrids Considering Incomplete Rationality. IEEE Transactions on Smart Grid, 2023, 14, 606-622.	9.0	12
200	Interaction of multiple distributed energy resources in voltage regulation. , 2008, , .		11
201	Toward a self-healing protection and control system. , 2008, , .		11
202	Optimal utilization of transmission capacity to reduce congestion with distributed FACTS. , 2009, , .		11
203	Small signal stability analysis of a DFIG based wind power system with tuned damping controller under super/sub-synchronous mode of operation. , 2009, , .		11
204	Short term load forecasting using regime-switching GARCH models. , 2011, , .		11
205	Efficient Estimation of Critical Load Levels Using Variable Substitution Method. IEEE Transactions on Power Systems, 2011, 26, 2472-2482.	6.5	11
206	GARCH in mean type models for wind power forecasting. , 2013, , .		11
207	Demonstration of Intelligent HVAC Load Management With Deep Reinforcement Learning: Real-World Experience of Machine Learning in Demand Control. IEEE Power and Energy Magazine, 2022, 20, 42-53.	1.6	11
208	Energy Block-Based Peer-to-Peer Contract Trading With Secure Multi-Party Computation in Nanogrid. IEEE Transactions on Smart Grid, 2022, 13, 4759-4772.	9.0	11
209	Valuing emissions from electricity generation: towards a low carbon economy. , 0, , .		10
210	Hierarchical Utilization Control for Real-Time and Resilient Power Grid. , 2009, , .		10
211	Air conditioning stall phenomenon - Testing, model development, and simulation. , 2012, , .		10
212	$S^{3}A$: A Secure Data Sharing Mechanism for Situational Awareness in The Power Grid. IEEE Transactions on Smart Grid, 2013, 4, 1751-1759.	9.0	10
213	GPU-based two-step preconditioning for conjugate gradient method in power flow. , 2015, , .		10
214	Using virtual buses and optimal multipliers to converge the sequential AC/DC power flow under high load cases. Electric Power Systems Research, 2019, 177, 106015.	3.6	10
215	Bootstrap-based confidence interval estimation for thermal security region of bulk power grid. International Journal of Electrical Power and Energy Systems, 2020, 115, 105498.	5.5	10
216	Tight Semidefinite Relaxation for Interval Power Flow Model Based on Multi-Dimensional Holomorphic Embedding Method. IEEE Transactions on Power Systems, 2021, 36, 2138-2148.	6.5	10

#	Article	IF	Citations
217	From Systematic Risk to Systemic Risk: Analysis Over Day-Ahead Market Operation Under High Renewable Penetration by CoVaR andÂMarginalÂCoVaR. IEEE Transactions on Sustainable Energy, 2021, 12, 761-771.	8.8	10
218	Privacy-Preserving Baseline Load Reconstruction for Residential Demand Response Considering Distributed Energy Resources. IEEE Transactions on Industrial Informatics, 2022, 18, 3541-3550.	11.3	10
219	Cyber-Vulnerability Analysis for Real-Time Power Market Operation. IEEE Transactions on Smart Grid, 2021, 12, 3527-3537.	9.0	10
220	Web-enabling applications for outsourced computing. IEEE Power and Energy Magazine, 2003, 1, 53-57.	1.6	9
221	Assessment of the Economic Benefits from Reactive Power Compensation. , 2006, , .		9
222	Impacts of varying penetration of distributed resources with & without volt/var control: Case study of varying load types. , 2011, , .		9
223	Real-time wide-area loading margin sensitivity (WALMS) in power systems. , 2015, , .		9
224	Graph theory based splitting strategies for power system islanding operation. , 2015, , .		9
225	Robust mean-variance optimization model for grid-connected microgrids. , 2015, , .		9
226	A measurement-based VSI for voltage dependent loads using angle difference between tangent lines of load and PV curves. Electric Power Systems Research, 2018, 160, 13-16.	3.6	9
227	Progressive time-differentiated peak pricing (PTPP) for aggregated air-conditioning load in demand response programs. International Transactions on Electrical Energy Systems, 2019, 29, e2664.	1.9	9
228	Zigzag search for multi-objective optimization considering generation cost and emission. Applied Energy, 2019, 255, 113814.	10.1	9
229	Grouping control strategy for aggregated thermostatically controlled loads. Electric Power Systems Research, 2019, 171, 97-104.	3.6	9
230	Using Flux Linkage Difference Vector in Early Inter-Turn Short Circuit Detection for the Windings of Offshore Wind DFIGs. IEEE Transactions on Energy Conversion, 2021, 36, 3007-3015.	5.2	9
231	Optimal Energy-Hub Planning Based on Dimension Reduction and Variable-Sized Unimodal Searching. IEEE Transactions on Smart Grid, 2021, 12, 1481-1495.	9.0	9
232	Resilience Evaluation and Enhancement for Island City Integrated Energy Systems. IEEE Transactions on Smart Grid, 2022, 13, 2744-2760.	9.0	9
233	Development of a Novel MW+MVAr-Miles Charging Methodology. , 0, , .		8
234	Voltage stability constrained optimal power flow (VSCOPF) with two sets of variables (TSV) for reactive power planning. , 2008, , .		8

#	Article	IF	Citations
235	Allocation of emission allowances to effectively reduce emissions in electricity generation. , 2009, , .		8
236	Application of Ordinal Optimization for distribution system reconfiguration. , 2009, , .		8
237	Parallel computing of sparse linear systems using matrix condensation algorithm. , 2011, , .		8
238	Probabilistic LMP forecasting under AC optimal power flow framework: Theory and applications. Electric Power Systems Research, 2012, 88, 16-24.	3.6	8
239	An approach to assess the responsive residential demand to financial incentives. , 2015, , .		8
240	A hybrid islanding detection technique for inverter based distributed generations. , 2015, , .		8
241	Interval arithmetic based optimal curtailment for infeasible SCED considering wind power uncertainties. , 2015, , .		8
242	Models and methods for lowâ€carbon footprint analysis of gridâ€connected photovoltaic generation from a distribution network planning perspective. Energy Science and Engineering, 2017, 5, 290-301.	4.0	8
243	ANDES: A Python-Based Cyber-Physical Power System Simulation Tool. , 2018, , .		8
244	Graph Computing Based Distributed Parallel Power Flow for AC/DC Systems with Improved Initial Estimate. Journal of Modern Power Systems and Clean Energy, 2021, 9, 253-263.	5.4	8
245	Stability Assessment of Secondary Frequency Control System With Dynamic False Data Injection Attacks. IEEE Transactions on Industrial Informatics, 2022, 18, 3224-3234.	11.3	8
246	Robust hierarchical dispatch for residential distribution network management considering home thermal flexibility and model predictive control. IET Generation, Transmission and Distribution, 2021, 15, 2567-2581.	2.5	8
247	Effective Parallelism for Equation and Jacobian Evaluation in Large-Scale Power Flow Calculation. IEEE Transactions on Power Systems, 2021, 36, 4872-4875.	6.5	8
248	Three-phase DLMP model based on linearized power flow for distribution with application to DER benefit studies. International Journal of Electrical Power and Energy Systems, 2021, 130, 106884.	5.5	8
249	Constructive back-feed algorithm for online power restoration in distribution systems. , 2009, , .		7
250	Aggregation of multiple induction motors using MATLAB-based software package. , 2009, , .		7
251	Multi-objective reactive power planning based on fuzzy clustering and learning automata. , 2010, , .		7
252	Utility-Side Voltage and PQ Control with Inverter-based Photovoltaic Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6110-6116.	0.4	7

#	Article	IF	Citations
253	Optimal power generation mix towards an emission target. , 2011, , .		7
254	Reactive power planning considering high penetration of wind energy. , 2014, , .		7
255	Applying Deep Convolutional Neural Network for Fast Security Assessment with N-1 Contingency. , 2019, , .		7
256	A Sparse and Low-Order Implementation for Discretization-Based Eigen-Analysis of Power Systems With Time-Delays. IEEE Transactions on Power Systems, 2019, 34, 5091-5094.	6.5	7
257	A Distributed Energy Management Approach for Residential Demand Response. , 2019, , .		7
258	Optimal power allocation strategy for black start in VSC-MTDC systems considering dynamic impacts. Electric Power Systems Research, 2021, 193, 107023.	3.6	7
259	Dynamic game-based defensive primary frequency control system considering intelligent attackers. Reliability Engineering and System Safety, 2021, 216, 107966.	8.9	7
260	Deep Reinforcement Learning for Residential HVAC Control with Consideration of Human Occupancy. , 2020, , .		7
261	Analysis of distributed resources operating in unbalanced distribution circuits. , 0, , .		6
262	Bayesian Inferencing for Wind Resource Characterisation. , 2006, , .		6
263	Instantaneous active and nonactive power control of distributed energy resources with a current limiter. , 2010, , .		6
264	Sensitivity analysis of load-damping, generator inertia and governor speed characteristics in hydraulic power system frequency regulation. , 2014, , .		6
265	Cost and emission savings from the deployment of variable electricity tariffs and advanced domestic energy hub storage management. , 2014, , .		6
266	Risk Constrained Scheduling of Energy Storage for Load Serving Entities Considering Load and LMP Uncertainties. IFAC-PapersOnLine, 2016, 49, 318-323.	0.9	6
267	Spatialâ€temporal decomposition approach for systematically tracking dominant modes, mode shapes and coherent groups in power systems. IET Generation, Transmission and Distribution, 2017, 11, 1889-1900.	2.5	6
268	QV interaction evaluation and pilot voltageâ€reactive power coupling area partitioning in bulk power systems. IET Science, Measurement and Technology, 2017, 11, 270-278.	1.6	6
269	DFIG virtual inertia control in microâ€grid based on setting trigger condition and ZN method for parameters optimisation. IET Generation, Transmission and Distribution, 2017, 11, 3765-3775.	2.5	6
270	Graph Computation based Power Flow for Large-Scale AC/DC System. , 2018, , .		6

#	Article	IF	Citations
271	Estimating electromechanical oscillation modes from synchrophasor measurements in China Southern Power Grid. Electric Power Systems Research, 2018, 161, 212-223.	3.6	6
272	Estimating electromechanical oscillation modes from synchrophasor measurements in bulk power grids using FSSI. IET Generation, Transmission and Distribution, 2018, 12, 2347-2358.	2.5	6
273	Hybrid component and configuration model for combined-cycle units in unit commitment problem. Journal of Modern Power Systems and Clean Energy, 2018, 6, 1332-1337.	5.4	6
274	Risk assessment and mitigation on area-level RoCoF for operational planning. Energy, 2021, 228, 120632.	8.8	6
275	Financial Resilience and Financial Reliability for Systemic Risk Assessment of Electricity Markets With High-Penetration Renewables. IEEE Transactions on Power Systems, 2022, 37, 2312-2321.	6.5	6
276	Impacts of VSG Control on Frequency Response in Power Systems with High-Penetration Renewables. , 2021, , .		6
277	DLMP of Competitive Markets in Active Distribution Networks: Models, Solutions, Applications, and Visions. Proceedings of the IEEE, 2023, 111, 725-743.	21.3	6
278	Optimal standing reserve utilisation using genetic algorithms. , 0, , .		5
279	Assessment of Quick Start Resource Requirements in Market Operations. , 0, , .		5
280	Experiment and simulation of dynamic voltage regulation with multiple distributed energy resources. , 2007, , .		5
281	A combined LMP model considering reference independent decomposition and fictitious nodal demand. , 2010, , .		5
282	Marginal unit generation sensitivity and its applications in transmission congestion prediction and LMP calculation. , 2011, , .		5
283	Robust optimization-based DC optimal power flow for managing wind generation uncertainty. AIP Conference Proceedings, 2012, , .	0.4	5
284	Exploration of multifrontal method with GPU in power flow computation. , 2013, , .		5
285	A comprehensive user interactive simulation tool for smart home application. , 2014, , .		5
286	The impact of FTR on LSE's strategic bidding considering coupon based demand response. , 2015, , .		5
287	A comparative analysis of intelligent classifiers for passive islanding detection in microgrids. , 2015, , .		5
288	Available transfer capability calculations considering demand response. , 2017, , .		5

#	Article	IF	Citations
289	Capacity Market Model Considering Flexible Resource Requirements. , 2018, , .		5
290	Potential of Wind Power to Provide Flexible Ramping Products and Operating Reserve. , 2018, , .		5
291	Synchrophasor Measurement-based Modal Analysis in Power Grids. , 2019, , .		5
292	Enabling Model-Based LTI for Large-Scale Power System Security Monitoring and Enhancement With Graph-Computing-Based Power Flow Calculation. IEEE Access, 2019, 7, 167010-167018.	4.2	5
293	Power Grid Simulation Testbed for Transactive Energy Management Systems. Sustainability, 2020, 12, 4402.	3.2	5
294	A generalized voltage stability indicator based on the tangential angles of PV and load curves considering voltage dependent load models. International Journal of Electrical Power and Energy Systems, 2021, 127, 106624.	5.5	5
295	Holomorphic Embedding Power Flow for AC/DC Hybrid Power Systems Using Bauer's Eta Algorithm. IEEE Transactions on Power Systems, 2021, 36, 3595-3606.	6.5	5
296	Overvoltage Mitigation through Volt-VAR Control of Distributed PV Systems. , 2020, , .		5
297	A Reinforcement Learning Approach for Branch Overload Relief in Power Systems. , 2020, , .		5
298	Circular Trajectory Approach for Online Sinusoidal Signal Distortion Monitoring and Visualization. IEEE Transactions on Smart Grid, 2022, 13, 3315-3318.	9.0	5
299	A distributed consensus-based optimal energy management approach in DC microgrids. International Journal of Electrical Power and Energy Systems, 2022, 140, 108015.	5.5	5
300	Disturbance Propagation in Power Grids With High Converter Penetration. Proceedings of the IEEE, 2023, 111, 873-890.	21.3	5
301	Comparison of LMP simulation using two DCOPF algorithms and the ACOPF algorithm. , 2008, , .		4
302	Heuristic optimal restoration based on constructive algorithms for future smart grids. , 2011, , .		4
303	Prediction of critical load levels for AC optimal power flow dispatch model. International Journal of Electrical Power and Energy Systems, 2012, 42, 635-643.	5.5	4
304	A new DMS with real-time security analysis and control based on security region. , 2015, , .		4
305	Reactive power planning with transient process stability constraint. , 2015, , .		4
306	Mitigate overestimation of voltage stability margin by coupled single-port circuit models. , 2016, , .		4

#	Article	IF	Citations
307	Guest Editorial - Special Section on Emerging Informatics for Risk Hedging and Decision Making in Smart Grids. IEEE Transactions on Industrial Informatics, 2017, 13, 2507-2510.	11.3	4
308	P-Q curve based voltage stability analysis considering wind power. , 2017, , .		4
309	Impact of Neutral Current on Concentric Cable Overloading. , 2018, , .		4
310	Total supply and accommodation capability curves for active distribution networks: Concept and model. International Journal of Electrical Power and Energy Systems, 2021, 133, 107279.	5.5	4
311	Application of TS-Fuzzy Controller for Active Power and DC Capacitor Voltage Control in DFIG-Based Wind Energy Conversion Systems. Green Energy and Technology, 2010, , 367-382.	0.6	4
312	Building Marginal Pattern Library With Unbiased Training Dataset for Enhancing Model-Free Load-ED Mapping. IEEE Open Access Journal of Power and Energy, 2022, 9, 88-98.	3.4	4
313	Sizing a flexible spinning reserve level with artificial neural networks. , 0, , .		3
314	Cable impedance calculations with parallel circuits and multi-neutral returns in distribution networks. , 0, , .		3
315	Knowledge guided genetic algorithm for optimal contracting strategy in a typical standing reserve market. , 0, , .		3
316	Active power and nonactive power control of distributed energy resources. , 2008, , .		3
317	Power flow studies using principal component analysis. , 2008, , .		3
318	Network charges for micro-generation. , 2008, , .		3
319	Preventing delayed voltage recovery with voltage-regulating distributed energy resources. , 2009, , .		3
320	Reactive power planning based on fuzzy clustering and multivariate linear regression. , 2010, , .		3
321	Available transfer capability of photovoltaic generation incorporated system. , 2014, , .		3
322	Power management strategy combining energy storage and demand response for microgrid emergency autonomous operation. , 2016, , .		3
323	Confidence interval estimates for loading margin sensitivity for voltage stability monitoring in the presence of renewable energy. , 2016, , .		3
324	An observation method based on N-1 simulation for distribution system security region. , 2016, , .		3

#	Article	IF	Citations
325	Estimation of the largest eigenvalue in Chebyshev preconditioner for parallel conjugate gradient methodâ€based power flow computation. IET Generation, Transmission and Distribution, 2016, 10, 123-130.	2.5	3
326	Passive filter installation for harmonic mitigation in residential distribution systems. , 2017, , .		3
327	Transmission Constrained Economic Dispatch via Interval Optimization Considering Wind Uncertainty. , 2018, , .		3
328	Integrating a Multi-microgrid System into Real-time Balancing Market: Problem Formulation and Solution Technique. , 2018, , .		3
329	Guest Editorial Special Section on Industrial and Commercial Demand Response. IEEE Transactions on Industrial Informatics, 2018, 14, 5017-5019.	11.3	3
330	Optimal Sizing and Operation Strategy for Hybrid Energy Storage Systems Considering Wind Uncertainty. , 2018, , .		3
331	Progressive Demand Control of Thermostatically Controlled Appliances for Power System Frequency Regulation. , 2019, , .		3
332	A Graph Computation based Sequential Power Flow Calculation for Large-Scale AC/DC Systems. , 2019, , .		3
333	Conic Optimal Energy Flow of Integrated Electricity and Natural Gas Systems. Journal of Modern Power Systems and Clean Energy, 2021, 9, 963-967.	5.4	3
334	MW+MVAr-miles based distribution charging methodology. , 2006, , .		2
335	Stability Constrained Optimal Power Flow in a Practical Balancing Market. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	2
336	Short-term load forecasting based on asymmetric ARCH models. , 2010, , .		2
337	Eigenvalue Analysis of a DFIG Based Wind Power System under Different Modes of Operations. Green Energy and Technology, 2010, , 191-213.	0.6	2
338	Interpolation approximation of voltage stability constrained opf (vscopf) for reactive power planning. European Transactions on Electrical Power, 2011, 21, 155-164.	1.0	2
339	Impact to use of circuit breaker charges from different fault current growth rates. , 2011, , .		2
340	Total Supply Capability (TSC): A approach to formulate security and efficiency of distribution systems. , 2013, , .		2
341	Bi-level linear programming based interval optimization for SCED in the presence of wind power uncertainty. , 2014, , .		2
342	Volt-VAR interaction evaluation in bulk power systems. , 2016, , .		2

#	Article	IF	Citations
343	Partitioning voltage stability critical injection regions via electrical network response and dynamic relative gain. , 2016, , .		2
344	Primary frequency response in future low carbon scenario: Opportunities & challenges. , 2016, , .		2
345	Control and limit enforcements for VSC multi-terminal HVDC in newton power flow. , 2017, , .		2
346	Analytical Approach to Estimating the Probability of Transient Stability under Stochastic Disturbances. , 2018, , .		2
347	A Novel Automatic Generation Control for Thermal and Gas Power Plants. , 2018, , .		2
348	Interval Optimization for Robust Economic Dispatch in Active Distribution Networks Considering Uncertainty. , 2019, , .		2
349	Relaxed decoupled direct calculation of voltage collapse points and its application in static voltage stability region boundary formation. International Journal of Electrical Power and Energy Systems, 2021, 125, 106452.	5.5	2
350	Stochastic subspace identification based dataâ€driven approach for monitoring electromechanical dynamics from phasor measurement units. IET Generation, Transmission and Distribution, 2020, 14, 3983-3991.	2.5	2
351	A Robust Hierarchical Dispatch Scheme for Active Distribution Networks Considering Home Thermal Flexibility. , 2020, , .		2
352	Genetic algorithm approach to more consistent and cost effective unit commitment. , 0, , .		1
353	Genetic algorithm based optimal contracting strategy in a typical standing reserve market. , 0, , .		1
354	Resource adequacy assessment considering transmission and generation via market simulations. , 0, , .		1
355	Comparison of Different LMP Calculations in Power Market Simulation. , 2006, , .		1
356	Smoothing Out Step Changes of LMP. Electricity Journal, 2008, 21, 43-49.	2.5	1
357	The application of droop-control in distributed energy resources to extend the voltage collapse margin. , 2008, , .		1
358	Sensitivity of LMP using an iterative DCOPF model. , 2008, , .		1
359	Research on Multi-Fractal Wavelet Model Based on Different Distributed Multipliers. , 2008, , .		1
360	Congestion prediction for ACOPF framework using quadratic interpolation. , 2008, , .		1

#	Article	IF	Citations
361	An adaptive voltage control algorithm with multiple distributed energy resources. , 2009, , .		1
362	Reliability-Based Prioritizing Maintenance Policy for Distribution System. , 2010, , .		1
363	Short term load forecasting based on improved ESTAR GARCH model. , 2012, , .		1
364	LMP step pattern detection based on real-time data. , 2013, , .		1
365	Study on low-carbon comprehensive benefits of grid-connected photovoltaic generation. , 2015, , .		1
366	LabVIEW FPGA based electromagnetic transient simulator using nodal analysis methods and state-space analysis methods. , 2015, , .		1
367	Component GARCH-M type models for wind power forecasting. , 2015, , .		1
368	Gain tuning control strategy for DFIG-based wind farms. , 2017, , .		1
369	Extended LMP under High-Penetration Wind Power. , 2018, , .		1
370	Distribution Locational Marginal Price for Grid-Connected Microgrids in Real-Time Balancing Market. , 2018, , .		1
371	Optimal Energy Storage Siting and Sizing to Mitigate Voltage Deviation in Distribution Networks. , 2019, , .		1
372	Bilevel Arbitrage Potential Evaluation for Grid-Scale Energy Storage Considering Wind Power and LMP Smoothing Effect. , 2019, , .		1
373	Shadow Price Formulation and Decomposition for Economic Emission Dispatch. , 2019, , .		1
374	An Integrated Testbed for Power System Monitoring, Modeling, Control and Actuation. , 2018, , .		1
375	Using Lagrangian Relaxation to Include Operating Limits of VSC-MTDC System for State Estimation. , 2020, , .		1
376	Sequential State Estimation Containing the Operating Limits for VSC MTDC System. , 2020, , .		1
377	An effective genetic algorithm applied to the optimal selection of standing reserve tenders. , 0, , .		0
378	Regional market simulation with inter-market bilateral transactions. , 0, , .		0

#	Article	IF	Citations
379	Long-run network charging for network security. , 2008, , .		0
380	Sensitivity of Var compensation economic benefits considering generator marginal cost. , 2008, , .		0
381	Impact of load forecast uncertainty on LMP. , 2009, , .		0
382	Integrated generation and transmission planning tools under competitive energy markets: An academic perspective. , 2009, , .		0
383	High order contingency selection based on particle swarm optimization and branch reordering. , 2010, , .		0
384	Hybrid Momentum TAR-GARCH models for short term load forecasting. , 2011, , .		0
385	Searching for Electricity Market Equilibrium Using Coevolutionary Computation Approach. , 2011, , .		0
386	System load margin evaluation using mixed-integer conic optimization. , 2015, , .		0
387	A decision tree based approach for controlled islanding of microgrids. , 2016, , .		0
388	Auto-regressive conditional density model for wind power forecasting. , 2016, , .		0
389	Editorial on Special Section: Invited Papers on Emerging Topics in the Power and Energy Society. IEEE Open Access Journal of Power and Energy, 2020, 7, 329-330.	3.4	0
390	Negative Reactance Impacts Power Flow Convergence Using Conjugate Gradient Method. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2527-2531.	3.0	0
391	Conic Programming for Circuit Equations With Rational Current Controlled Resistors. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 496-500.	3.0	0
392	An evaluation method for the response flexibility of aggregated inverter air conditioners. International Transactions on Electrical Energy Systems, 2021, 31, .	1.9	0
393	Peak Reduction in a Residential Community Through Bayesian Optimization of Transactive Control Signals. , 2021, , .		0
394	Vision of Future Control Centers in Smart Grids. , 2017, , 421-433.		0
395	Multi-Day-ahead Net Interchange Schedule Forecast based on LSTM Recurrent Neural Network. , 2020, , .		0
396	A Joint Sequential State Estimation Algorithm for VSC-MTDC Systems Using Virtual Connections. , 2021, , .		0

#	Article	IF	Citations
397	Power <scp>electronicsâ€interfaced cyberâ€physical</scp> power systems: A review on modeling, simulation, and cybersecurity. Wiley Interdisciplinary Reviews: Energy and Environment, 2022, 11, .	4.1	0