Junbo Zhao

List of Publications by Year
in descending order

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167 papers	5,736 citations	81900 39 h-index	91884 69 g-index
169 all docs	169 docs citations	169 times ranked	3428 citing authors

#	Article	IF	Citations
1	Power System Dynamic State Estimation: Motivations, Definitions, Methodologies, and Future Work. IEEE Transactions on Power Systems, 2019, 34, 3188-3198.	6.5	417
2	A Robust Iterated Extended Kalman Filter for Power System Dynamic State Estimation. IEEE Transactions on Power Systems, 2017, 32, 3205-3216.	6.5	321
3	Power System Real-Time Monitoring by Using PMU-Based Robust State Estimation Method. IEEE Transactions on Smart Grid, 2016, 7, 300-309.	9.0	201
4	Fault Diagnosis of Electric Power Systems Based on Fuzzy Reasoning Spiking Neural P Systems. IEEE Transactions on Power Systems, 2015, 30, 1182-1194.	6.5	193
5	Reinforcement Learning and Its Applications in Modern Power and Energy Systems: A Review. Journal of Modern Power Systems and Clean Energy, 2020, 8, 1029-1042.	5.4	172
6	Short-Term State Forecasting-Aided Method for Detection of Smart Grid General False Data Injection Attacks. IEEE Transactions on Smart Grid, 2017, 8, 1580-1590.	9.0	161
7	Robust Unscented Kalman Filter for Power System Dynamic State Estimation With Unknown Noise Statistics. IEEE Transactions on Smart Grid, 2019, 10, 1215-1224.	9.0	151
8	Assessing Gaussian Assumption of PMU Measurement Error Using Field Data. IEEE Transactions on Power Delivery, 2018, 33, 3233-3236.	4.3	134
9	A Generalized False Data Injection Attacks Against Power System Nonlinear State Estimator and Countermeasures. IEEE Transactions on Power Systems, 2018, 33, 4868-4877.	6.5	132
10	A Multi-Agent Deep Reinforcement Learning Based Voltage Regulation Using Coordinated PV Inverters. IEEE Transactions on Power Systems, 2020, 35, 4120-4123.	6.5	117
11	Dynamic State Estimation With Model Uncertainties Using H_infty Extended Kalman Filter. IEEE Transactions on Power Systems, 2018, 33, 1099-1100.	6.5	107
12	A Novel Hybrid Short-Term Load Forecasting Method of Smart Grid Using MLR and LSTM Neural Network. IEEE Transactions on Industrial Informatics, 2021, 17, 2443-2452.	11.3	104
13	Roles of Dynamic State Estimation in Power System Modeling, Monitoring and Operation. IEEE Transactions on Power Systems, 2021, 36, 2462-2472.	6.5	104
14	A Robust Generalized-Maximum Likelihood Unscented Kalman Filter for Power System Dynamic State Estimation. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 578-592.	10.8	97
15	A rough set-based bio-inspired fault diagnosis method for electrical substations. International Journal of Electrical Power and Energy Systems, 2020, 119, 105961.	5.5	94
16	Calibrating Parameters of Power System Stability Models Using Advanced Ensemble Kalman Filter. IEEE Transactions on Power Systems, 2018, 33, 2895-2905.	6.5	87
17	Detecting False Data Injection Attacks Against Power System State Estimation With Fast Go-Decomposition Approach. IEEE Transactions on Industrial Informatics, 2019, 15, 2892-2904.	11.3	83
18	Forecasting-Aided Imperfect False Data Injection Attacks Against Power System Nonlinear State Estimation. IEEE Transactions on Smart Grid, 2016, 7, 6-8.	9.0	81

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19	Design and implementation of membrane controllers for trajectory tracking of nonholonomic wheeled mobile robots. Integrated Computer-Aided Engineering, 2015, 23, 15-30.	4.6	78
20	A Framework for Robust Hybrid State Estimation With Unknown Measurement Noise Statistics. IEEE Transactions on Industrial Informatics, 2018, 14, 1866-1875.	11.3	75
21	Data-Driven Optimal Power Flow: A Physics-Informed Machine Learning Approach. IEEE Transactions on Power Systems, 2021, 36, 346-354.	6.5	74
22	Power system inertia estimation: Review of methods and the impacts of converter-interfaced generations. International Journal of Electrical Power and Energy Systems, 2022, 134, 107362.	5.5	74
23	A Novel Cascading Faults Graph Based Transmission Network Vulnerability Assessment Method. IEEE Transactions on Power Systems, 2018, 33, 2995-3000.	6.5	73
24	A Decentralized H-Infinity Unscented Kalman Filter for Dynamic State Estimation Against Uncertainties. IEEE Transactions on Smart Grid, 2019, 10, 4870-4880.	9.0	70
25	Data-Driven Multi-Agent Deep Reinforcement Learning for Distribution System Decentralized Voltage Control With High Penetration of PVs. IEEE Transactions on Smart Grid, 2021, 12, 4137-4150.	9.0	70
26	Robust Time-Varying Load Modeling for Conservation Voltage Reduction Assessment. IEEE Transactions on Smart Grid, 2018, 9, 3304-3312.	9.0	68
27	Attention Enabled Multi-Agent DRL for Decentralized Volt-VAR Control of Active Distribution System Using PV Inverters and SVCs. IEEE Transactions on Sustainable Energy, 2021, 12, 1582-1592.	8.8	68
28	A Planning-Oriented Resilience Assessment Framework for Transmission Systems Under Typhoon Disasters. IEEE Transactions on Smart Grid, 2020, 11, 5431-5441.	9.0	67
29	Dynamic State Estimation for Power System Control and Protection. IEEE Transactions on Power Systems, 2021, 36, 5909-5921.	6.5	66
30	Propagating Uncertainty in Power System Dynamic Simulations Using Polynomial Chaos. IEEE Transactions on Power Systems, 2019, 34, 338-348.	6.5	65
31	A Theoretical Framework of Robust H-Infinity Unscented Kalman Filter and Its Application to Power System Dynamic State Estimation. IEEE Transactions on Signal Processing, 2019, 67, 2734-2746.	5.3	65
32	Robust Forecasting Aided Power System State Estimation Considering State Correlations. IEEE Transactions on Smart Grid, 2018, 9, 2658-2666.	9.0	54
33	Robust Online Estimation of Power System Center of Inertia Frequency. IEEE Transactions on Power Systems, 2019, 34, 821-825.	6.5	52
34	Data-Driven Resilient Automatic Generation Control Against False Data Injection Attacks. IEEE Transactions on Industrial Informatics, 2021, 17, 8092-8101.	11.3	51
35	Enhanced Robustness of State Estimator to Bad Data Processing Through Multi-innovation Analysis. IEEE Transactions on Industrial Informatics, 2017, 13, 1610-1619.	11.3	49
36	A Modified Membrane-Inspired Algorithm Based on Particle Swarm Optimization for Mobile Robot Path Planning. International Journal of Computers, Communications and Control, 2015, 10, 732.	1.8	49

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37	Probabilistic Power Flow Calculation and Variance Analysis Based on Hierarchical Adaptive Polynomial Chaos-ANOVA Method. IEEE Transactions on Power Systems, 2019, 34, 3316-3325.	6.5	43
38	A dynamic wavelet-based robust wind power smoothing approach using hybrid energy storage system. International Journal of Electrical Power and Energy Systems, 2020, 116, 105579.	5.5	43
39	Planning-Oriented resilience assessment and enhancement of integrated electricity-gas system considering multi-type natural disasters. Applied Energy, 2022, 315, 118824.	10.1	42
40	A Lagrange Multiplier Based State Enumeration Reliability Assessment for Power Systems With Multiple Types of Loads and Renewable Generations. IEEE Transactions on Power Systems, 2021, 36, 3260-3270.	6.5	41
41	A Robust State Estimation Framework Considering Measurement Correlations and Imperfect Synchronization. IEEE Transactions on Power Systems, 2018, 33, 4604-4613.	6.5	40
42	Power System Robust Decentralized Dynamic State Estimation Based on Multiple Hypothesis Testing. IEEE Transactions on Power Systems, 2018, 33, 4553-4562.	6.5	39
43	Constrained Robust Unscented Kalman Filter for Generalized Dynamic State Estimation. IEEE Transactions on Power Systems, 2019, 34, 3637-3646.	6.5	38
44	A resilience assessment approach for power system from perspectives of system and component levels. International Journal of Electrical Power and Energy Systems, 2020, 118, 105837.	5.5	38
45	Online TTC Estimation Using Nonparametric Analytics Considering Wind Power Integration. IEEE Transactions on Power Systems, 2019, 34, 494-505.	6.5	37
46	Surrogate model enabled deep reinforcement learning for hybrid energy community operation. Applied Energy, 2021, 289, 116722.	10.1	37
47	Robust Detection of Cyber Attacks on State Estimators Using Phasor Measurements. IEEE Transactions on Power Systems, 2017, 32, 2468-2470.	6.5	36
48	Deep Reinforcement Learning Enabled Physical-Model-Free Two-Timescale Voltage Control Method for Active Distribution Systems. IEEE Transactions on Smart Grid, 2022, 13, 149-165.	9.0	36
49	Vulnerability of the Largest Normalized Residual Statistical Test to Leverage Points. IEEE Transactions on Power Systems, 2018, 33, 4643-4646.	6.5	34
50	Robust Frequency Divider for Power System Online Monitoring and Control. IEEE Transactions on Power Systems, 2018, 33, 4414-4423.	6.5	30
51	Distribution-Level Robust Energy Management of Power Systems Considering Bidirectional Interactions With Gas Systems. IEEE Transactions on Smart Grid, 2020, 11, 2092-2105.	9.0	30
52	Nonlinear Virtual Inertia Control of WTGs for Enhancing Primary Frequency Response and Suppressing Drivetrain Torsional Oscillations. IEEE Transactions on Power Systems, 2021, 36, 4102-4113.	6.5	30
53	Model-free voltage control of active distribution system with PVs using surrogate model-based deep reinforcement learning. Applied Energy, 2022, 306, 117982.	10.1	30
54	Evasion Attacks with Adversarial Deep Learning Against Power System State Estimation. , 2020, , .		29

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55	Unscented Kalman Filter-Based Unbiased Minimum-Variance Estimation for Nonlinear Systems With Unknown Inputs. IEEE Signal Processing Letters, 2019, 26, 1162-1166.	3.6	27
56	Deep Belief Network Enabled Surrogate Modeling for Fast Preventive Control of Power System Transient Stability. IEEE Transactions on Industrial Informatics, 2022, 18, 315-326.	11.3	27
57	A robust extended Kalman filter for power system dynamic state estimation using PMU measurements. , 2016, , .		26
58	Correlation-Aided Robust Decentralized Dynamic State Estimation of Power Systems With Unknown Control Inputs. IEEE Transactions on Power Systems, 2020, 35, 2443-2451.	6.5	26
59	Robust Ensemble Kalman Filter for Medium-Voltage Distribution System State Estimation. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4114-4124.	4.7	25
60	Multi-period optimal energy flow for electricity-gas integrated systems considering gas inertia and wind power uncertainties. International Journal of Electrical Power and Energy Systems, 2020, 123, 106263.	5.5	25
61	Distributed Real-time State Estimation for Combined Heat and Power Systems. Journal of Modern Power Systems and Clean Energy, 2021, 9, 316-327.	5.4	25
62	Variable-Inertia Emulation Control Scheme for VSC-HVDC Transmission Systems. IEEE Transactions on Power Systems, 2022, 37, 629-639.	6.5	25
63	A specialized review on outlook of future Cyber-Physical Power System (CPPS) testbeds for securing electric power grid. International Journal of Electrical Power and Energy Systems, 2022, 136, 107720.	5.5	25
64	Robust Parameter Estimation of the French Power System Using Field Data. IEEE Transactions on Smart Grid, 2019, 10, 5334-5344.	9.0	23
65	A Power System Disturbance Classification Method Robust to PMU Data Quality Issues. IEEE Transactions on Industrial Informatics, 2022, 18, 130-142.	11.3	23
66	Probabilistic Stacked Denoising Autoencoder for Power System Transient Stability Prediction With Wind Farms. IEEE Transactions on Power Systems, 2021, 36, 3786-3789.	6.5	23
67	Prioritized Replay Dueling DDQN Based Grid-Edge Control of Community Energy Storage System. IEEE Transactions on Smart Grid, 2021, 12, 4950-4961.	9.0	23
68	Robust Deep Gaussian Process-Based Probabilistic Electrical Load Forecasting Against Anomalous Events. IEEE Transactions on Industrial Informatics, 2022, 18, 1142-1153.	11.3	23
69	Statistical and Numerical Robust State Estimator for Heavily Loaded Power Systems. IEEE Transactions on Power Systems, 2018, 33, 6904-6914.	6.5	21
70	A Computational Attractive Interval Power Flow Approach With Correlated Uncertain Power Injections. IEEE Transactions on Power Systems, 2020, 35, 825-828.	6.5	21
71	A Robust Prony Method Against Synchrophasor Measurement Noise and Outliers. IEEE Transactions on Power Systems, 2017, 32, 2484-2486.	6.5	20
72	Power System Dynamic State Estimation Considering Measurement Correlations. IEEE Transactions on Energy Conversion, 2017, 32, 1630-1632.	5.2	20

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73	A Novel Deep Reinforcement Learning Enabled Multi-Band PSS for Multi-Mode Oscillation Control. IEEE Transactions on Power Systems, 2021, 36, 3794-3797.	6.5	20
74	Probabilistic transient stability assessment of power system considering wind power uncertainties and correlations. International Journal of Electrical Power and Energy Systems, 2020, 117, 105649.	5.5	19
75	Fast Power System Event Identification Using Enhanced LSTM Network With Renewable Energy Integration. IEEE Transactions on Power Systems, 2021, 36, 4492-4502.	6.5	19
76	A generalized computationally efficient copula-polynomial chaos framework for probabilistic power flow considering nonlinear correlations of PV injections. International Journal of Electrical Power and Energy Systems, 2022, 136, 107727.	5.5	19
77	Inertia Emulation and Fast Frequency-Droop Control Strategy of a Point-to-Point VSC-HVdc Transmission System for Asynchronous Grid Interconnection. IEEE Transactions on Power Electronics, 2022, 37, 6530-6543.	7.9	19
78	A Highly Discriminative Detector Against False Data Injection Attacks in AC State Estimation. IEEE Transactions on Smart Grid, 2022, 13, 2318-2330.	9.0	19
79	A hybrid robust forecasting-aided state estimator considering bimodal Gaussian mixture measurement errors. International Journal of Electrical Power and Energy Systems, 2020, 120, 105962.	5.5	18
80	Quantifying Cyber Attacks on Industrial MMC-HVDC Control System Using Structured Pseudospectrum. IEEE Transactions on Power Electronics, 2021, 36, 4915-4920.	7.9	18
81	Data-Driven Subsynchronous Oscillation Identification Using Field Synchrophasor Measurements. IEEE Transactions on Power Delivery, 2022, 37, 165-175.	4.3	18
82	Bias-Compensated Sparsity-Aware NLMM Algorithms for Robust Adaptive Echo Cancellation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 2383-2396.	5.4	17
83	Robust PCA-deep belief network surrogate model for distribution system topology identification with DERs. International Journal of Electrical Power and Energy Systems, 2021, 125, 106441.	5.5	17
84	Analytic Deep Learning-Based Surrogate Model for Operational Planning With Dynamic TTC Constraints. IEEE Transactions on Power Systems, 2021, 36, 3507-3519.	6.5	17
85	A Data-Driven Global Sensitivity Analysis Framework for Three-Phase Distribution System With PVs. IEEE Transactions on Power Systems, 2021, 36, 4809-4819.	6.5	17
86	Adaptive Hierarchical Cyber Attack Detection and Localization in Active Distribution Systems. IEEE Transactions on Smart Grid, 2022, 13, 2369-2380.	9.0	17
87	Data-Driven Detection of Stealthy False Data Injection Attack Against Power System State Estimation. IEEE Transactions on Industrial Informatics, 2022, 18, 8467-8476.	11.3	16
88	Robust dynamic state estimator to outliers and cyber attacks. , 2017, , .		15
89	Coherency Identification for Wind-Integrated Power System Using Virtual Synchronous Motion Equation. IEEE Transactions on Power Systems, 2020, 35, 2619-2630.	6.5	15
90	Power Plant Model Parameter Calibration Using Conditional Variational Autoencoder. IEEE Transactions on Power Systems, 2022, 37, 1642-1652.	6.5	15

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91	Sparse State Recovery Versus Generalized Maximum-Likelihood Estimator of a Power System. IEEE Transactions on Power Systems, 2018, 33, 1104-1106.	6.5	14
92	Fast robust power system dynamic state estimation using model transformation. International Journal of Electrical Power and Energy Systems, 2020, 114, 105390.	5.5	14
93	Real-Time LCC-HVDC Maximum Emergency Power Capacity Estimation Based on Local PMUs. IEEE Transactions on Power Systems, 2021, 36, 1049-1058.	6.5	14
94	Explicit Data-Driven Small-Signal Stability Constrained Optimal Power Flow. IEEE Transactions on Power Systems, 2022, 37, 3726-3737.	6.5	14
95	A Novel Polynomial-Chaos-Based Kalman Filter. IEEE Signal Processing Letters, 2019, 26, 9-13.	3.6	13
96	Robust Medium-Voltage Distribution System State Estimation using Multi-Source Data. , 2020, , .		12
97	An Analytical Method for Disturbance Propagation Investigation Based on the Electromechanical Wave Approach. IEEE Transactions on Power Systems, 2021, 36, 991-1001.	6.5	12
98	Improved Dynamic State Estimation Based Protection on Transmission Lines in MMC-HVDC Grids. IEEE Transactions on Power Delivery, 2022, 37, 3567-3581.	4.3	12
99	Decentralized data-driven estimation of generator rotor speed and inertia constant based on adaptive unscented Kalman filter. International Journal of Electrical Power and Energy Systems, 2022, 137, 107853.	5.5	12
100	Real-time and consistent sparse estimation of power system distribution factors using online adaptive elastic-net. International Journal of Electrical Power and Energy Systems, 2022, 142, 108361.	5.5	12
101	Robust Voltage Instability Predictor. IEEE Transactions on Power Systems, 2016, , 1-1.	6.5	11
102	Unified optimal power flow model for AC/DC grids integrated with natural gas systems considering gas-supply uncertainties. Journal of Modern Power Systems and Clean Energy, 2018, 6, 1193-1203.	5.4	11
103	Robust Unscented Unbiased Minimum-Variance Estimator for Nonlinear System Dynamic State Estimation With Unknown Inputs. IEEE Signal Processing Letters, 2020, 27, 376-380.	3.6	11
104	Decentralized robust state estimation for hybrid AC/DC distribution systems with smart meters. International Journal of Electrical Power and Energy Systems, 2022, 136, 107656.	5.5	11
105	Hybrid Deep Learning for Dynamic Total Transfer Capability Control. IEEE Transactions on Power Systems, 2021, 36, 2733-2736.	6.5	10
106	Decentralization of Phasor-Aided State Estimation Using Local State Vector Extension. IEEE Transactions on Power Systems, 2021, 36, 4645-4659.	6.5	10
107	Distributed Frequency Divider for Power System Bus Frequency Online Estimation Considering Virtual Inertia From DFIGs. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2022, 12, 161-171.	3.6	10
108	Dual-Channel Convolutional Network-Based Fault Cause Identification for Active Distribution System Using Realistic Waveform Measurements. IEEE Transactions on Smart Grid, 2022, 13, 4899-4908.	9.0	10

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109	MPC-based double-layer real-time conditional cSelf-restoration for interconnected microgrids. International Journal of Electrical Power and Energy Systems, 2021, 129, 106745.	5.5	9
110	A two-stage robust power system state estimation method with unknown measurement noise. , 2016, , .		8
111	Riskâ€oriented PMU placement approach in electric power systems. IET Generation, Transmission and Distribution, 2020, 14, 301-307.	2.5	8
112	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
113	Observers for Differential Algebraic Equation Models of Power Networks: Jointly Estimating Dynamic and Algebraic States. IEEE Transactions on Control of Network Systems, 2022, 9, 1531-1543.	3.7	8
114	Applications of artificial intelligence in renewable energy systems. IET Renewable Power Generation, 2022, 16, 1279-1282.	3.1	8
115	Secondâ€order matrix pencilâ€based phasor measurement algorithm for Pâ€class PMUs. IET Generation, Transmission and Distribution, 2020, 14, 3953-3961.	2.5	7
116	Application of Detectability Analysis for Power System Dynamic State Estimation. IEEE Transactions on Power Systems, 2020, 35, 3274-3277.	6.5	7
117	Physics-Informed Sparse Gaussian Process for Probabilistic Stability Analysis of Large-Scale Power System With Dynamic PVs and Loads. IEEE Transactions on Power Systems, 2023, 38, 2868-2879.	6.5	7
118	Distribution state estimation with renewable sources based distributed generations using a modified quantum-inspired evolutionary algorithm. Journal of Renewable and Sustainable Energy, 2013, 5, 053133.	2.0	6
119	Enhanced sensitivityâ€based decentralised framework for realâ€time transient stability assessment in bulk power grids with renewable energy resources. IET Generation, Transmission and Distribution, 2020, 14, 665-674.	2.5	6
120	A Novel Non-Uniform Frame Structure Model for Power System Disturbance Propagation Analysis. IEEE Transactions on Power Systems, 2021, 36, 5092-5104.	6.5	6
121	State-of-the-art of data collection, analytics, and future needs of transmission utilities worldwide to account for the continuous growth of sensing data. International Journal of Electrical Power and Energy Systems, 2022, 137, 107772.	5.5	6
122	Robust Data-Driven Linear Power Flow Model With Probability Constrained Worst-Case Errors. IEEE Transactions on Power Systems, 2022, 37, 4113-4116.	6.5	6
123	A New Multi-Scale State Estimation Framework for the Next Generation of Power Grid EMS. , 2019, , .		5
124	Self-learning Prosumer in Competitive Local Energy Market. , 2019, , .		5
125	A Hybrid Agent-based Model Predictive Control Scheme for Smart Community Energy System with Uncertain DGs and Loads. Journal of Modern Power Systems and Clean Energy, 2021, 9, 573-584.	5.4	5
126	An adaptive method for tuning process noise covariance matrix in EKF-based three-phase distribution system state estimation. International Journal of Electrical Power and Energy Systems, 2021, 132, 107192.	5.5	5

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127	Power system anomaly detection using innovation reduction properties of iterated extended kalman filter. International Journal of Electrical Power and Energy Systems, 2022, 136, 107613.	5.5	5
128	Aggregating buildings as a virtual power plant: Architectural design, supporting technologies, and case studies. IET Energy Systems Integration, 2022, 4, 423-435.	1.8	5
129	The Impact of Ramp-Induced Data Attacks on Power System Operational Security. IEEE Transactions on Industrial Informatics, 2019, 15, 5064-5075.	11.3	4
130	A Generalized Copula-Polynomial Chaos Expansion for Probabilistic Power Flow Considering Nonlinear Correlations of PV Injections. , 2021, , .		4
131	Global Sensitivity Analysis of Large Distribution System With PVs Using Deep Gaussian Process. IEEE Transactions on Power Systems, 2021, 36, 4888-4891.	6.5	4
132	Guest editorial: Special issue on data-analytics for stability analysis, control, and situational awareness of power system with high-penetration of renewable energy. International Journal of Electrical Power and Energy Systems, 2022, 137, 107773.	5.5	4
133	Performance Degradation of Levee-Protected Electric Power Network Due to Flooding in a Changing Climate. IEEE Transactions on Power Systems, 2022, 37, 4651-4660.	6.5	4
134	A new fourâ€step method to identify the parameters of transmission line based on SCADA data. IET Generation, Transmission and Distribution, 0, , .	2.5	4
135	Shortâ€circuit current constrained unit commitment and transmission switching model for improving renewable integration: An MILP formulation. IET Generation, Transmission and Distribution, 2022, 16, 1743-1755.	2.5	4
136	Distributed OPF for PET-Based AC/DC Distribution Networks With Convex Relaxation and Linear Approximation. IEEE Transactions on Smart Grid, 2022, 13, 4340-4354.	9.0	4
137	Data-driven energy management in residential areas leveraging demand response. Energy and Buildings, 2022, 269, 112235.	6.7	4
138	PMU based Robust Dynamic State Estimation method for power systems. , 2015, , .		3
139	A Novel Belief Function Based Framework for UOPF With Multiprobability-Characterized and Knowledge Deficient Power Sources. IEEE Transactions on Industrial Informatics, 2021, 17, 3153-3164.	11.3	3
140	Robust Nonlinear Controller to Damp Drivetrain Torsional Oscillation of Wind Turbine Generators. IEEE Transactions on Sustainable Energy, 2021, 12, 1336-1346.	8.8	3
141	A Multiagent Deep Reinforcement Learning-Enabled Dual-Branch Damping Controller for Multimode Oscillation. IEEE Transactions on Control Systems Technology, 2023, 31, 483-492.	5.2	3
142	Robust Adaptive Nonlinear Kalman Filter for Synchronous Machine Parameter Calibration. , 0, , .		2
143	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
144	On the Simultaneous Estimation of Dynamic and Algebraic States in Power Networks via State Observer. , 2021, , .		2

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145	Data-Driven Probabilistic Voltage Risk Assessment of MiniWECC System With Uncertain PVs and Wind Generations Using Realistic Data. IEEE Transactions on Power Systems, 2022, 37, 4121-4124.	6.5	2
146	DERMS Online: A New Voltage Sensitivity-Enabled Feedback Optimization Framework. , 2022, , .		2
147	Multistage Phasor-aided Bad Data Detection and Identification. , 2015, , .		1
148	Frequency Support for DFIG Using Improved Inertial Control Strategy. , 2020, , .		1
149	Probabilistic Feasible Region Equivalent Model for Reliability Evaluation in Interconnected Power System. , 2021, , .		1
150	Extended Frequency Divider for Bus Frequency Estimation Considering Virtual Inertia from DFIGs. , 2021, , .		1
151	State Estimation Based Fault Location Method for Active Distribution Networks. , 2020, , .		1
152	Robust Adaptive Decentralized Dynamic State Estimation with Unknown Control Inputs using Field PMU Measurements. , 2020, , .		1
153	Uncertainty Quantification of Loads and Correlated PVs on Power System Dynamic Simulations. , 2021, , .		1
154	A Novel Uncertainty Quantification Framework for PF and OPF Considering Nonlinear Correlated Power Injections With Limited Information. IEEE Transactions on Power Systems, 2022, 37, 3704-3715.	6.5	1
155	Using Branch Current Measurements for Parameter Identification in Extended Kalman Filter based Distribution System State Estimation. , 2021, , .		1
156	Discrete Empirical Interpolation Method based Dynamic Load Model Reduction. , 2021, , .		1
157	An Improved Current Differential Protection Scheme on Non-Homogeneous Transmission Lines Considering Fully Distributed Parameter Model and Line Asymmetry. , 2021, , .		1
158	Data-Driven Distribution System Coordinated PV Inverter Control Using Deep Reinforcement Learning. , 2021, , .		1
159	Observability and detectability analyses for dynamic state estimation of the marginally observable model of a synchronous machine. IET Generation, Transmission and Distribution, 2022, 16, 1373-1384.	2.5	1
160	PMU Angle Deviation Detection and Correction Using Line Reactive Power Measurements. IEEE Transactions on Power Systems, 2023, 38, 2679-2689.	6.5	1
161	State Estimation for Heavily Loaded System: A Comparative Study. , 2018, , .		0
162	Advanced grid operational tools based on state estimation. , 2021, , 163-208.		0

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163	Convex Optimization of Cyberattacks Overflowing Multiple Lines in Cyber-Physical Power Systems. IEEE Systems Journal, 2022, 16, 5224-5233.	4.6	0
164	Data-driven Global Sensitivity Analysis of Three- Phase Distribution System with PVs. , 2021, , .		0
165	Robust Nonlinear Controller for Wind Turbine Generator Drivetrain Torsional Oscillation under Large Disturbances. , 2021, , .		0
166	Decentralized Voltage Control of Large-Scale Distribution System with PVs Based on MADRL. , 2021, , .		0
167	Test for Non-Synchronized Errors of State Estimation Using Real Data. IEEE Transactions on Power Systems, 2022, 37, 3161-3164.	6.5	0