Huaiguang E Jiang

List of Publications by Year
in descending order

38 papers	**815** citations	687363 **13** h-index	752698 **20** g-index
39 all docs	**39** docs citations	**39** times ranked	**884** citing authors

#	ARTICLE	IF	CITATIONS
1	Black swan event small-sample transfer learning (BEST-L) and its case study on electrical power prediction in COVID-19. Applied Energy, 2022, 309, 118458.	10.1	11
2	Real-time fast charging station recommendation for electric vehicles in coupled power-transportation networks: A graph reinforcement learning method. International Journal of Electrical Power and Energy Systems, 2022, 141, 108030.	5.5	21
3	Enhanced Oblique Decision Tree Enabled Policy Extraction for Deep Reinforcement Learning in Power System Emergency Control. Electric Power Systems Research, 2022, 209, 107932.	3.6	8
4	A Fast and Accurate Transient Stability Assessment Method Based on Deep Learning: WECC Case Study. , 2022, , .		2
5	Automated optimal control in energy systems: the reinforcement learning approach. , 2021, , 275-318.		3
6	Donald J. Trump's Presidency in Cyberspace: A Case Study of Social Perception and Social Influence in Digital Oligarchy Era. IEEE Transactions on Computational Social Systems, 2021, 8, 279-293.	4.4	10
7	Applications of Digital Twin System in a Smart City System with Multi-Energy. , 2021, , .		5
8	Adding power of artificial intelligence to situational awareness of large interconnections dominated by inverter-based resources. High Voltage, 2021, 6, 924-937.	4.7	5
9	Deep Learning-Based Adaptive Remedial Action Scheme with Security Margin for Renewable-Dominated Power Grids. Energies, 2021, 14, 6563.	3.1	2
10	Blockchain Enabled Intelligence of Federated Systems (BELIEFS): An attack-tolerant trustable distributed intelligence paradigm. Energy Reports, 2021, 7, 8900-8911.	5.1	2
11	A generalized computational framework to streamline thermodynamics and kinetics analysis of metabolic pathways. Metabolic Engineering, 2020, 57, 140-150.	7.0	27
12	Solar Irradiance Capturing in Cloudy Sky Days–A Convolutional Neural Network Based Image Regression Approach. IEEE Access, 2020, 8, 22235-22248.	4.2	20
13	Dynamic Flux Analysis: An Experimental Approach of Fluxomics. Methods in Molecular Biology, 2020, 2096, 179-196.	0.9	2
14	A Review on Artificial Intelligence for Grid Stability Assessment. , 2020, , .		28
15	Multi-Timescale Three-Phase Unbalanced Distribution System Operation With Variable Renewable Generations. IEEE Transactions on Smart Grid, 2019, 10, 4497-4507.	9.0	21
16	Decentralized wind uncertainty management: Alternating direction method of multipliers based distributionally-robust chance constrained optimal power flow. Applied Energy, 2019, 239, 938-947.	10.1	40
17	A Short-Term and High-Resolution Distribution System Load Forecasting Approach Using Support Vector Regression With Hybrid Parameters Optimization. IEEE Transactions on Smart Grid, 2018, 9, 3341-3350.	9.0	176
18	Power-traffic coordinated operation for bi-peak shaving and bi-ramp smoothing – A hierarchical data-driven approach. Applied Energy, 2018, 229, 756-766.	10.1	33

#	Article	IF	Citations
19	Optimal Power Scheduling for a Medium Voltage AC/DC Hybrid Distribution Network. Sustainability, 2018, 10, 318.	3.2	24
20	Consumption Behavior Analytics-Aided Energy Forecasting and Dispatch. IEEE Intelligent Systems, 2017, 32, 59-63.	4.0	20
21	Big Data-Based Approach to Detect, Locate, and Enhance the Stability of an Unplanned Microgrid Islanding. Journal of Energy Engineering - ASCE, 2017, 143, .	1.9	17
22	Short-term load forecasting based automatic distribution network reconfiguration. , 2017, , .		13
23	Chance-constrained day-ahead hourly scheduling in distribution system operation. , 2017, , .		2
24	Short-term state forecasting-based optimal voltage regulation in distribution systems. , 2017, , .		6
25	Load forecasting based distribution system network reconfiguration â€" A distributed data-driven approach. , 2017, , .		3
26	Automatic distribution network reconfiguration: An event-driven approach. , 2016, , .		7
27	Short-term distribution system state forecast based on optimal synchrophasor sensor placement and extreme learning machine. , 2016, , .		16
28	Spatial-Temporal Synchrophasor Data Characterization and Analytics in Smart Grid Fault Detection, Identification, and Impact Causal Analysis. IEEE Transactions on Smart Grid, 2016, 7, 2525-2536.	9.0	43
29	Knowledge discovery for smart grid operation, control, and situation awareness â€" a big data visualization platform. , 2016, , .		15
30	PMU-aided voltage security assessment for a wind power plant. , 2015, , .		5
31	Synchrophasor-Based Auxiliary Controller to Enhance the Voltage Stability of a Distribution System With High Renewable Energy Penetration. IEEE Transactions on Smart Grid, 2015, 6, 2107-2115.	9.0	41
32	An overview of recent advances on distributed and agile sensing algorithms and implementation. , 2015, 39, 1-14.		13
33	Spatial-temporal characterization of synchrophasor measurement systems — A big data approach for smart grid system situational awareness. , 2014, , .		9
34	Statistical scheduling of economic dispatch and energy reserves of hybrid power systems with high renewable energy penetration. , 2014, , .		12
35	Fault Detection, Identification, and Location in Smart Grid Based on Data-Driven Computational Methods. IEEE Transactions on Smart Grid, 2014, 5, 2947-2956.	9.0	121
36	Synchrophasor based auxiliary controller to enhance power system transient voltage stability in a high penetration renewable energy scenario. , 2014, , .		7

#	ARTICLE	IF	CITATIONS
37	Time-frequency analysis of brain electrical Signals for behvior recognition in patients with Parkinson's disease. , 2013, , .		4
38	Fault localization in Smart Grid using wavelet analysis and unsupervised learning. , 2012, , .		20