Jun Jason Zhang

List of Publications by Year
in descending order

60	1,566	567281	610901
papers	citations	15	24
		h-index	g-index

60	60	60	1739
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Explainable AI in Deep Reinforcement Learning Models for Power System Emergency Control. IEEE Transactions on Computational Social Systems, 2022, 9, 419-427.	4.4	27
2	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
3	Mutually trustworthy human-machine knowledge automation and hybrid augmented intelligence: mechanisms and applications of cognition, management, and control for complex systems. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 1142-1157.	2.6	22
4	HackRL: Reinforcement learning with hierarchical attention for cross-graph knowledge fusion and collaborative reasoning. Knowledge-Based Systems, 2021, 233, 107498.	7.1	6
5	Reinforcement Learning for Building Energy Optimization Through Controlling of Central HVAC System. IEEE Open Access Journal of Power and Energy, 2020, 7, 320-328.	3.4	16
6	IEEE Council on Radio-Frequency Identification: History, Present, and Future Vision. IEEE Journal of Radio Frequency Identification, 2020, 4, 170-175.	2.3	6
7	Accurate forecasting of building energy consumption via a novel ensembled deep learning method considering the cyclic feature. Energy, 2020, 201, 117531.	8.8	39
8	Characterizing the Propagation of Situational Information in Social Media During COVID-19 Epidemic: A Case Study on Weibo. IEEE Transactions on Computational Social Systems, 2020, 7, 556-562.	4.4	329
9	Mid-Long Term Electricity Consumption Forecasting Analysis Based on Cyber-Physical-Social System Architecture. , 2020, , .		2
10	Explainable AI in Deep Reinforcement Learning Models: A SHAP Method Applied in Power System Emergency Control. , 2020, , .		25
11	A Simulation-Constraint Graph Reinforcement Learning Method for Line Flow Control. , 2020, , .		3
12	Multi-Timescale Three-Phase Unbalanced Distribution System Operation With Variable Renewable Generations. IEEE Transactions on Smart Grid, 2019, 10, 4497-4507.	9.0	21
13	Parallel Vehicular Networks: A CPSS-Based Approach via Multimodal Big Data in IoV. IEEE Internet of Things Journal, 2019, 6, 1079-1089.	8.7	22
14	Guest Editorial Special Issue on Blockchain-Based Secure and Trusted Computing for IoT. IEEE Transactions on Computational Social Systems, 2019, 6, 1369-1372.	4.4	2
15	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
16	Cyber-Physical-Social Systems: The State of the Art and Perspectives. IEEE Transactions on Computational Social Systems, 2018, 5, 829-840.	4.4	126
17	Optimization of Particle CBMeMBer Filters for Hardware Implementation. IEEE Transactions on Vehicular Technology, 2018, 67, 9027-9031.	6.3	31
18	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

#	Article	IF	Citations
19	Chance-constrained day-ahead hourly scheduling in distribution system operation. , 2017, , .		2
20	Load forecasting based distribution system network reconfiguration â€" A distributed data-driven approach. , 2017, , .		3
21	Where does AlphaGo go: from church-turing thesis to AlphaGo thesis and beyond. IEEE/CAA Journal of Automatica Sinica, 2016, 3, 113-120.	13.1	225
22	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
23	Knowledge discovery for smart grid operation, control, and situation awareness â€" a big data visualization platform. , 2016, , .		15
24	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
25	Creating the Feedback Loop. Neurosurgery Clinics of North America, 2014, 25, 187-204.	1.7	91
26	Instantaneous altitude estimation of maneuvering target in over-the-horizon radar exploiting multipath Doppler signatures. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	15
27	Efficient Bayesian Tracking of Multiple Sources of Neural Activity: Algorithms and Real-Time FPGA Implementation. IEEE Transactions on Signal Processing, 2013, 61, 633-647.	5.3	29
28	Can NAO Robot Improve Eye-Gaze Attention of Children with High Functioning Autism?. , 2013, , .		15
29	Maneuvering target altitude tracking in over-the-horizon radars exploiting multipath Doppler signatures. , 2013, , .		2
30	Mobile robot connectivity maintenance based on RF mapping. , 2013, , .		4
31	A Microscopic Image Classification Method Using Shearlet Transform. , 2013, , .		5
32	Image-Based Fall Detection with Human Posture Sequence Modeling. , 2013, , .		8
33	Neural activity tracking using spatial compressive particle filtering. , 2012, , .		1
34	Beta process based adaptive learning for immunosignature microarray feature identification. , 2012, , .		2
35	EEG/MEG artifact suppression for improved neural activity estimation. , 2012, , .		2
36	Waveform-agile multiple target tracking using probability hypothesis density filtering. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
37	Electromagnetic field recognition for proactive robot communication connectivity maintenance. , 2012, , .		3
38	Fault localization in Smart Grid using wavelet analysis and unsupervised learning. , 2012, , .		20
39	Probability hypothesis density filtering with multipath-to-measurement association for urban tracking. , 2012, , .		2
40	Urban terrain multiple target tracking using probability hypothesis density particle filtering. , 2011, , .		3
41	Time-Scale and Dispersive Processing for Wideband Time-Varying Channels. , 2011, , 375-416.		2
42	Nonstationary System Analysis Methods for Underwater Acoustic Communications. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.7	4
43	Design and performance of an integrated waveform-agile multi-modal track-before-detect sensing system. , 2011, , .		1
44	Algorithm and Parallel Implementation of Particle Filtering and its Use in Waveform-Agile Sensing. Journal of Signal Processing Systems, 2011, 65, 211-227.	2.1	15
45	Adaptive learning of immunosignaturing peptide array features for biothreat detection and classification. , 2011, , .		3
46	A new parallel implementation for particle filters and its application to adaptive waveform design. , 2010, , .		15
47	Multi-target tracking using multi-modal sensing withwaveform configuration. , 2010, , .		6
48	Agile multi-modal tracking with dependent measurements. , 2010, , .		8
49	Adaptive parameter estimation of cardiovascular signals using sequential Bayesian techniques. , 2010, , .		2
50	Multiple sensor sequential tracking of neural activity: Algorithm and FPGA implementation. , 2010, , .		8
51	On the characterization of time-scale underwater acoustic signals using matching pursuit decomposition. , 2009, , .		7
52	MIMO Radar with Frequency Diversity. , 2009, , .		46
53	Waveform-agile sensing for range and DoA estimation in MIMO radars. , 2009, , .		5
54	Wideband discrete transformation of acoustic signals in underwater environments. , 2009, , .		2

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55	Compressive sensing and waveform design for the identification of Linear time-varying systems. , 2008, , .		2
56	Dynamic waveform design for target tracking using MIMO radar. , 2008, , .		16
57	Sequential Monte Carlo Methods for Shallow Water Tracking Using Multiple Sensors with Adaptive Frequency Selection. , 2007, , .		0
58	Time-Frequency Based Waveform and Receiver Design for Shallow Water Communications. , 2007, , .		6
59	Time-Frequency Modeling of Shallow Water Environments: Rigid vs. Fluid Seabed. , 2007, , .		3
60	Diversity in Shallow Water Environments Using Blind Time-Frequency Separation Techniques. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	3