

Jun Jason Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/913280/publications.pdf>

Version: 2024-02-01

60
papers

1,566
citations

567281

15
h-index

610901

24
g-index

60
all docs

60
docs citations

60
times ranked

1739
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Cyber-Physical-Social Systems: The State of the Art and Perspectives. IEEE Transactions on Computational Social Systems, 2018, 5, 829-840.	4.4	126
5	Creating the Feedback Loop. Neurosurgery Clinics of North America, 2014, 25, 187-204.	1.7	91
6	MIMO Radar with Frequency Diversity. , 2009, , .		46
7	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
8	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
9	Accurate forecasting of building energy consumption via a novel ensembled deep learning method considering the cyclic feature. Energy, 2020, 201, 117531.	8.8	39
10	Optimization of Particle CBMeMber Filters for Hardware Implementation. IEEE Transactions on Vehicular Technology, 2018, 67, 9027-9031.	6.3	31
11	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
12	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
13	Explainable AI in Deep Reinforcement Learning Models: A SHAP Method Applied in Power System Emergency Control. , 2020, , .		25
14	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
15	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
16	Multi-Timescale Three-Phase Unbalanced Distribution System Operation With Variable Renewable Generations. IEEE Transactions on Smart Grid, 2019, 10, 4497-4507.	9.0	21
17	Fault localization in Smart Grid using wavelet analysis and unsupervised learning. , 2012, , .		20
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	Dynamic waveform design for target tracking using MIMO radar. , 2008, , .		16
20	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
21	A new parallel implementation for particle filters and its application to adaptive waveform design. , 2010, , .		15
22	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
23	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
24	Can NAO Robot Improve Eye-Gaze Attention of Children with High Functioning Autism?. , 2013, , .		15
25	Knowledge discovery for smart grid operation, control, and situation awareness " a big data visualization platform. , 2016, , .		15
26	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
27	Agile multi-modal tracking with dependent measurements. , 2010, , .		8
28	Multiple sensor sequential tracking of neural activity: Algorithm and FPGA implementation. , 2010, , .		8
29	Image-Based Fall Detection with Human Posture Sequence Modeling. , 2013, , .		8
30	On the characterization of time-scale underwater acoustic signals using matching pursuit decomposition. , 2009, , .		7
31	Time-Frequency Based Waveform and Receiver Design for Shallow Water Communications. , 2007, , .		6
32	Multi-target tracking using multi-modal sensing with waveform configuration. , 2010, , .		6
33	IEEE Council on Radio-Frequency Identification: History, Present, and Future Vision. IEEE Journal of Radio Frequency Identification, 2020, 4, 170-175.	2.3	6
34	HackRL: Reinforcement learning with hierarchical attention for cross-graph knowledge fusion and collaborative reasoning. Knowledge-Based Systems, 2021, 233, 107498.	7.1	6
35	Waveform-agile sensing for range and DoA estimation in MIMO radars. , 2009, , .		5
36	A Microscopic Image Classification Method Using Shearlet Transform. , 2013, , .		5

#	ARTICLE	IF	CITATIONS
37	Nonstationary System Analysis Methods for Underwater Acoustic Communications. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.7	4
38	Mobile robot connectivity maintenance based on RF mapping. , 2013, , .		4
39	Time-Frequency Modeling of Shallow Water Environments: Rigid vs. Fluid Seabed. , 2007, , .		3
40	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
41	Urban terrain multiple target tracking using probability hypothesis density particle filtering. , 2011, , .		3
42	Adaptive learning of immunosignaturing peptide array features for biothreat detection and classification. , 2011, , .		3
43	Electromagnetic field recognition for proactive robot communication connectivity maintenance. , 2012, , .		3
44	Load forecasting based distribution system network reconfiguration " A distributed data-driven approach. , 2017, , .		3
45	A Simulation-Constraint Graph Reinforcement Learning Method for Line Flow Control. , 2020, , .		3
46	Compressive sensing and waveform design for the identification of Linear time-varying systems. , 2008, , .		2
47	Wideband discrete transformation of acoustic signals in underwater environments. , 2009, , .		2
48	Adaptive parameter estimation of cardiovascular signals using sequential Bayesian techniques. , 2010, , .		2
49	Time-Scale and Dispersive Processing for Wideband Time-Varying Channels. , 2011, , 375-416.		2
50	Beta process based adaptive learning for immunosignature microarray feature identification. , 2012, , .		2
51	EEG/MEG artifact suppression for improved neural activity estimation. , 2012, , .		2
52	Probability hypothesis density filtering with multipath-to-measurement association for urban tracking. , 2012, , .		2
53	Maneuvering target altitude tracking in over-the-horizon radars exploiting multipath Doppler signatures. , 2013, , .		2
54	Chance-constrained day-ahead hourly scheduling in distribution system operation. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
55	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
56	Mid-Long Term Electricity Consumption Forecasting Analysis Based on Cyber-Physical-Social System Architecture. , 2020, , .		2
57	Design and performance of an integrated waveform-agile multi-modal track-before-detect sensing system. , 2011, , .		1
58	Neural activity tracking using spatial compressive particle filtering. , 2012, , .		1
59	Sequential Monte Carlo Methods for Shallow Water Tracking Using Multiple Sensors with Adaptive Frequency Selection. , 2007, , .		0
60	Waveform-agile multiple target tracking using probability hypothesis density filtering. , 2012, , .		0