

# Jun Jason Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,162  
citations

516710

16  
h-index

610901

24  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1181  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Adaptive Federated Control Strategy for Participant Selection in Multi-Client Collaboration. , 2021, , ,		0
2	Guest Editorial Computational Social Systems for COVID-19 Emergency Management and Beyond. IEEE Transactions on Computational Social Systems, 2021, 8, 928-929.	4.4	2
3	Pay attention to doctorâ€™patient dialogues: Multi-modal knowledge graph attention image-text embedding for COVID-19 diagnosis. Information Fusion, 2021, 75, 168-185.	19.1	34
4	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
5	IEEE Council on Radio-Frequency Identification: History, Present, and Future Vision. IEEE Journal of Radio Frequency Identification, 2020, 4, 170-175.	2.3	6
6	Pedestrian Choice Modeling and Simulation of Staged Evacuation Strategies in Daya Bay Nuclear Power Plant. IEEE Transactions on Computational Social Systems, 2020, 7, 686-695.	4.4	12
7	Mid-Long Term Electricity Consumption Forecasting Analysis Based on Cyber-Physical-Social System Architecture. , 2020, , ,		2
8	Multi-Timescale Three-Phase Unbalanced Distribution System Operation With Variable Renewable Generations. IEEE Transactions on Smart Grid, 2019, 10, 4497-4507.	9.0	21
9	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
10	Social Energy: Emerging Token Economy for Energy Production and Consumption. IEEE Transactions on Computational Social Systems, 2019, 6, 388-393.	4.4	7
11	Iterative Adaptive Dynamic Programming Advised Campus Scale Social Energy System Management. , 2019, , ,		1
12	Game-Theoretic Energy Consumption Planning at Distribution Level for Future Smart Grid. , 2019, , ,		1
13	Parallel building: a complex system approach for smart building energy management. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 1452-1461.	13.1	21
14	Game-Theoretic Control of Energy Consumption Through Optimizing Social Costs for Future Smart Grid. , 2019, , ,		1
15	Evolutionary Deep Learning-Based Energy Consumption Prediction for Buildings. IEEE Access, 2019, 7, 1520-1531.	4.2	72
16	Parallel intelligence: toward lifelong and eternal developmental AI and learning in cyber-physical-social spaces. Frontiers of Computer Science, 2018, 12, 401-405.	2.4	17
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	Cyber-Physical-Social Systems: The State of the Art and Perspectives. IEEE Transactions on Computational Social Systems, 2018, 5, 829-840.	4.4	126

#	ARTICLE	IF	CITATIONS
19	Parallel Blockchain: An Architecture for CPSS-Based Smart Societies. IEEE Transactions on Computational Social Systems, 2018, 5, 303-310.	4.4	41
20	Optimal Power Scheduling for a Medium Voltage AC/DC Hybrid Distribution Network. Sustainability, 2018, 10, 318.	3.2	24
21	Optimization of Particle CBMeMber Filters for Hardware Implementation. IEEE Transactions on Vehicular Technology, 2018, 67, 9027-9031.	6.3	31
22	Social energy: mining energy from the society. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 466-482.	13.1	15
23	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
24	Chance-constrained day-ahead hourly scheduling in distribution system operation. , 2017, , .		2
25	Transportation 5.0 in CPSS: Towards ACP-based society-centered intelligent transportation. , 2017, , .		26
26	Long-Term Task- and Dopamine-Dependent Dynamics of Subthalamic Local Field Potentials in Parkinsonâ€™s Disease. Brain Sciences, 2016, 6, 57.	2.3	14
27	Locational marginal pricing in the campus power system at the power distribution level. , 2016, , .		4
28	Security-oriented and load-balancing wireless data routing game in the integration of advanced metering infrastructure network in smart grid. , 2016, , .		1
29	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
30	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
31	Knowledge discovery for smart grid operation, control, and situation awareness â€” a big data visualization platform. , 2016, , .		15
32	Joint real-time energy and demand-response management using a hybrid coalitional-noncooperative game. , 2015, , .		4
33	Unmanned aerial vehicle based passive radar agile sensing for computerized ionospheric tomography. , 2015, , .		0
34	PMU-aided voltage security assessment for a wind power plant. , 2015, , .		5
35	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
36	Ultra-wideband radar-based accurate motion measuring: human body landmark detection and tracking with biomechanical constraints. IET Radar, Sonar and Navigation, 2015, 9, 154-163.	1.8	13

#	ARTICLE	IF	CITATIONS
37	Prediction of a bed-exit motion: Multi-modal sensing approach and incorporation of biomechanical knowledge. , 2014, , .		3
38	Spatial-temporal characterization of synchrophasor measurement systems &#x2014; A big data approach for smart grid system situational awareness. , 2014, , .		9
39	Ultra-wideband radar based human body landmark detection and tracking with biomedical constraints for human motion measuring. , 2014, , .		3
40	Synchrophasor based auxiliary controller to enhance power system transient voltage stability in a high penetration renewable energy scenario. , 2014, , .		7
41	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
42	Maneuvering target altitude tracking in over-the-horizon radars exploiting multipath Doppler signatures. , 2013, , .		2
43	Time-frequency analysis of brain electrical Signals for behavior recognition in patients with Parkinson's disease. , 2013, , .		4
44	Mobile robot connectivity maintenance based on RF mapping. , 2013, , .		4
45	A Microscopic Image Classification Method Using Shearlet Transform. , 2013, , .		5
46	Prostate cancer detection and gleason grading of histological images using shearlet transform. , 2013, , .		3
47	Neural activity tracking using spatial compressive particle filtering. , 2012, , .		1
48	Beta process based adaptive learning for immunosignature microarray feature identification. , 2012, , .		2
49	Waveform-agile multiple target tracking using probability hypothesis density filtering. , 2012, , .		0
50	Electromagnetic field recognition for proactive robot communication connectivity maintenance. , 2012, , .		3
51	Fault localization in Smart Grid using wavelet analysis and unsupervised learning. , 2012, , .		20
52	Probability hypothesis density filtering with multipath-to-measurement association for urban tracking. , 2012, , .		2
53	Urban terrain multiple target tracking using probability hypothesis density particle filtering. , 2011, , .		3
54	Design and performance of an integrated waveform-agile multi-modal track-before-detect sensing system. , 2011, , .		1

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55	Adaptive learning of immunosignaturing peptide array features for biothreat detection and classification. , 2011, , .		3