

Yuxun Zhou

List of Publications by Year in descending order

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35
papers

1,319
citations

516561

16
h-index

887953

17
g-index

35
all docs

35
docs citations

35
times ranked

1257
citing authors

#	ARTICLE	IF	CITATIONS
1	Device-free occupancy detection and crowd counting in smart buildings with WiFi-enabled IoT. Energy and Buildings, 2018, 174, 309-322.	3.1	132
2	WinLight: A WiFi-based occupancy-driven lighting control system for smart building. Energy and Buildings, 2018, 158, 924-938.	3.1	121
3	Learning Gestures From WiFi: A Siamese Recurrent Convolutional Architecture. IEEE Internet of Things Journal, 2019, 6, 10763-10772.	5.5	83
4	Fault detection and diagnosis for building cooling system with a tree-structured learning method. Energy and Buildings, 2016, 127, 540-551.	3.1	75
5	Partial Knowledge Data-Driven Event Detection for Power Distribution Networks. IEEE Transactions on Smart Grid, 2018, 9, 5152-5162.	6.2	72
6	FreeCount: Device-Free Crowd Counting with Commodity WiFi. , 2017, , .		63
7	DeepSense: Device-Free Human Activity Recognition via Autoencoder Long-Term Recurrent Convolutional Network. , 2018, , .		60
8	Adversarial Learning-Enabled Automatic WiFi Indoor Radio Map Construction and Adaptation With Mobile Robot. IEEE Internet of Things Journal, 2020, 7, 6946-6954.	5.5	53
9	Design Automation for Smart Building Systems. Proceedings of the IEEE, 2018, 106, 1680-1699.	16.4	52
10	Adaptive Localization in Dynamic Indoor Environments by Transfer Kernel Learning. , 2017, , .		50
11	Abnormal event detection with high resolution micro-PMU data. , 2016, , .		47
12	Consensus Adversarial Domain Adaptation. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5997-6004.	3.6	45
13	FreeDetector: Device-Free Occupancy Detection with Commodity WiFi. , 2017, , .		44
14	WiFi and Vision Multimodal Learning for Accurate and Robust Device-Free Human Activity Recognition. , 2019, , .		43
15	Robust WiFi-Enabled Device-Free Gesture Recognition via Unsupervised Adversarial Domain Adaptation. , 2018, , .		41
16	Optimal Sensor Configuration and Feature Selection for AHU Fault Detection and Diagnosis. IEEE Transactions on Industrial Informatics, 2017, 13, 1369-1380.	7.2	36
17	Causal Markov Elman Network for Load Forecasting in Multinetwork Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 1434-1442.	5.2	33
18	Unsupervised WiFi-Enabled IoT Device-User Association for Personalized Location-Based Service. IEEE Internet of Things Journal, 2019, 6, 1238-1245.	5.5	32

#	ARTICLE	IF	CITATIONS
19	Handling Incomplete Sensor Measurements in Fault Detection and Diagnosis for Building HVAC Systems. IEEE Transactions on Automation Science and Engineering, 2020, 17, 833-846.	3.4	30
20	WiFi-enabled Device-free Gesture Recognition for Smart Home Automation. , 2018, , .		25
21	Nonparametric Event Detection in Multiple Time Series for Power Distribution Networks. IEEE Transactions on Industrial Electronics, 2019, 66, 1619-1628.	5.2	24
22	BikeMate. , 2017, , .		22
23	Identifying Unseen Faults for Smart Buildings by Incorporating Expert Knowledge With Data. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1412-1425.	3.4	22
24	Combined Electricity and Traffic Short-Term Load Forecasting Using Bundled Causality Engine. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3448-3458.	4.7	18
25	Multiple Kernel Semi-Representation Learning With Its Application to Device-Free Human Activity Recognition. IEEE Internet of Things Journal, 2019, 6, 7670-7680.	5.5	17
26	Data-driven event detection with partial knowledge: A Hidden Structure Semi-Supervised learning method. , 2016, , .		15
27	Bayesian Spatiotemporal Gaussian Process for Short-term Load Forecasting Using Combined Transportation and Electricity Data. ACM Transactions on Cyber-Physical Systems, 2020, 4, 1-25.	1.9	14
28	Online learning of Contextual Hidden Markov Models for temporal-spatial data analysis. , 2016, , .		13
29	Multiple Kernel Representation Learning for WiFi-Based Human Activity Recognition. , 2017, , .		12
30	Joint Adversarial Domain Adaptation for Resilient WiFi-Enabled Device-Free Gesture Recognition. , 2018, , .		12
31	Shape-based data analysis for event classification in power systems. , 2017, , .		7
32	Virtual power sensing based on a multiple-hypothesis sequential test. , 2013, , .		3
33	On a class of multi-parametric quadratic programming and its applications to machine learning. , 2016, , .		3
34	Fusing system configuration information for building cooling plant Fault Detection and severity level identification. , 2016, , .		0
35	Moving Toward Agile Machine Learning for Data Analytics in Power Systems. , 2018, , 77-106.		0