Di Wu

List of Publications by Year
in descending order

29 papers	1,441 citations	430874 18 h-index	752698 20 g-index
29 all docs	29 docs citations	29 times ranked	1729 citing authors

#	Article	IF	Citations
1	Opportunistic Routing Algorithm for Relay Node Selection in Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2015, 11, 112-121.	11.3	211
2	Big Data Driven Mobile Traffic Understanding and Forecasting: A Time Series Approach. IEEE Transactions on Services Computing, 2016, 9, 796-805.	4.6	166
3	LSTM Learning With Bayesian and Gaussian Processing for Anomaly Detection in Industrial IoT. IEEE Transactions on Industrial Informatics, 2020, 16, 5244-5253.	11.3	163
4	Energy-Efficient CNN Implementation on a Deeply Pipelined FPGA Cluster. , 2016, , .		158
5	UbiFlow: Mobility management in urban-scale software defined IoT. , 2015, , .		87
6	Location-Based Crowdsourcing for Vehicular Communication in Hybrid Networks. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 837-846.	8.0	66
7	ADDSEN: Adaptive Data Processing and Dissemination for Drone Swarms in Urban Sensing. IEEE Transactions on Computers, 2016, , 1-1.	3.4	58
8	Exploring Individual Travel Patterns Across Private Car Trajectory Data. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 5036-5050.	8.0	51
9	Optimal Energy Strategy for Node Selection and Data Relay in WSN-based IoT. Mobile Networks and Applications, 2015, 20, 169-180.	3.3	44
10	Towards Distributed SDN: Mobility Management and Flow Scheduling in Software Defined Urban IoT. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 1400-1418.	5.6	38
11	Biopsy-free in vivo virtual histology of skin using deep learning. Light: Science and Applications, 2021, 10, 233.	16.6	36
12	Modeling and Analysis of Data Aggregation From Convergecast in Mobile Sensor Networks for Industrial IoT. IEEE Transactions on Industrial Informatics, 2018, 14, 4457-4467.	11.3	35
13	A Fusion Framework Based on Sparse Gaussian–Wigner Prediction for Vehicle Localization Using GDOP of GPS Satellites. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 680-689.	8.0	33
14	Scalable Channel Allocation and Access Scheduling for Wireless Internet-of-Things. IEEE Sensors Journal, 2013, 13, 3596-3604.	4.7	31
15	A holistic approach to wireless sensor network routing in underground tunnel environments. Computer Communications, 2010, 33, 1566-1573.	5.1	29
16	Joint multi-radio multi-channel assignment, scheduling, and routing in wireless mesh networks. Wireless Networks, 2014, 20, 11-24.	3.0	29
17	ParkCrowd: Reliable Crowdsensing for Aggregation and Dissemination of Parking Space Information. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4032-4044.	8.0	29
18	Online War-Driving by Compressive Sensing. IEEE Transactions on Mobile Computing, 2015, 14, 2349-2362.	5.8	28

#	Article	IF	Citations
19	LEDGE: Leveraging Edge Computing for Resilient Access Management of Mobile IoT. IEEE Transactions on Mobile Computing, 2021, 20, 1110-1125.	5.8	28
20	When Sharing Economy Meets IoT. , 2020, 4, 1-26.		26
21	EdgeLSTM: Towards Deep and Sequential Edge Computing for IoT Applications. IEEE/ACM Transactions on Networking, 2021, 29, 1895-1908.	3.8	20
22	Human–Machine Interaction in Intelligent and Connected Vehicles: A Review of Status Quo, Issues, and Opportunities. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13954-13975.	8.0	16
23	Software Infrastructure for Enabling FPGA-Based Accelerations in Data Centers. , 2016, , .		15
24	EdgeCNN: A Hybrid Architecture for Agile Learning of Healthcare Data from IoT Devices. , 2018, , .		13
25	Vehicle Trajectory Interpolation Based on Ensemble Transfer Regression. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 7680-7691.	8.0	11
26	FPGA Simulation Engine for Customized Construction of Neural Microcircuit. , 2013, 2013, 229.		6
27	FPGA Implementation of EM Algorithm for 3D CT Reconstruction. , 2014, , .		6
28	FPGA simulation engine for customized construction of neural microcircuits. , 2013, , .		4
29	Compress-filtering and transfer-expanding of data set for short-term load forecasting. , 2017, , .		4