Wan Du

List of Publications by Year
in descending order

32 papers	1,084 citations	1040056 9 h-index	940533 16 g-index
32 all docs	32 docs citations	32 times ranked	944 citing authors

#	Article	IF	Citations
1	A Survey on LoRa Networking: Research Problems, Current Solutions, and Open Issues. IEEE Communications Surveys and Tutorials, 2020, 22, 371-388.	39.4	257
2	SeaShips: A Large-Scale Precisely Annotated Dataset for Ship Detection. IEEE Transactions on Multimedia, 2018, 20, 2593-2604.	7.2	198
3	Saliency-Aware Convolution Neural Network for Ship Detection in Surveillance Video. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 781-794.	8.3	133
4	Towards Energy-Fairness in LoRa Networks. , 2019, , .		40
5	Optimal sensor placement and measurement of wind for water quality studies in urban reservoirs. , 2014, , .		38
6	SoftLight: Adaptive visible light communication over screen-camera links. , 2016, , .		34
7	From Rateless to Distanceless: Enabling Sparse Sensor Network Deployment in Large Areas. IEEE/ACM Transactions on Networking, 2016, 24, 2498-2511.	3.8	34
8	Sensor Placement and Measurement of Wind for Water Quality Studies in Urban Reservoirs. ACM Transactions on Sensor Networks, 2015, 11, 1-27.	3.6	33
9	From rateless to distanceless. , 2014, , .		30
10	Performance evaluation of IEEE 802.15.4 sensor networks in industrial applications. International Journal of Communication Systems, 2015, 28, 1657-1674.	2.5	30
11	DeepAPP. , 2019, , .		28
12	Listen to Your Fingers. , 2020, 4, 1-23.		25
13	Modeling Energy Consumption of Wireless Sensor Networks by SystemC. , 2010, , .		24
14	CoDoC: A Novel Attack for Wireless Rechargeable Sensor Networks through Denial of Charge. , 2019, , .		23
15	DMM. , 2020, , .		21
16	Maximizing Energy Efficiency of Period-Area Coverage with UAVs for Wireless Rechargeable Sensor Networks. , 2019, , .		20
17	Pando: Fountain-Enabled Fast Data Dissemination With Constructive Interference. IEEE/ACM Transactions on Networking, 2017, 25, 820-833.	3.8	18
18	Towards a taxonomy of simulation tools for wireless sensor networks. , 2010, , .		17

#	Article	IF	Citations
19	Soft Hint Enabled Adaptive Visible Light Communication over Screen-Camera Links. IEEE Transactions on Mobile Computing, 2017, 16, 527-537.	5.8	16
20	Wireless sensor networks for active vibration control in automobile structures. Smart Materials and Structures, 2012, 21, 075009.	3.5	13
21	Last-Mile School Shuttle Planning With Crowdsensed Student Trajectories. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 293-306.	8.0	7
22	A Simulation Study of IEEE 802.15.4 Sensor Networks in Industrial Applications by System-Level Modeling. , 2010, , .		6
23	IDEA1: A Validated System C-Based Simulator for Wireless Sensor Networks. , 2011, , .		6
24	Modeling and simulation of networked low-power embedded systems: a taxonomy. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	6
25	An Acoustic-Based Encounter Profiling System. IEEE Transactions on Mobile Computing, 2018, 17, 1750-1763.	5.8	6
26	CO-MAP: Improving Mobile Multiple Access Efficiency With Location Input. IEEE Transactions on Wireless Communications, 2014, 13, 6643-6654.	9.2	5
27	Harnessing Mobile Multiple Access Efficiency with Location Input. , 2013, , .		4
28	From Rateless to Hopless. IEEE/ACM Transactions on Networking, 2016, , 1-14.	3.8	4
29	UniLoc: A Unified Mobile Localization Framework Exploiting Scheme Diversity. , 2018, , .		3
30	UniLoc: A Unified Mobile Localization Framework Exploiting Scheme Diversity. IEEE Transactions on Mobile Computing, 2021, 20, 2505-2517.	5.8	3
31	Demo Abstract: Wind measurements for water quality studies in urban reservoirs. , 2014, , .		1
32	StrLight: An Imperceptible Visible Light Communication System with String Lights. IEEE Transactions on Mobile Computing, 2019, 18, 1674-1687.	5.8	1