Xinrong Li

List of Publications by Year
in descending order

37	1,935	759233 12	713466 21
papers	citations	h-index	g-index

37	37	37	1730
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Indoor geolocation science and technology. , 2002, 40, 112-118.		685
2	Wireless Sensor Network System Design Using Raspberry Pi and Arduino for Environmental Monitoring Applications. Procedia Computer Science, 2014, 34, 103-110.	2.0	319
3	RSS-Based Location Estimation with Unknown Pathloss Model. IEEE Transactions on Wireless Communications, 2006, 5, 3626-3633.	9.2	303
4	Collaborative Localization With Received-Signal Strength in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2007, 56, 3807-3817.	6.3	156
5	Smart farming: Agriculture's shift from a labor intensive to technology native industry. Internet of Things (Netherlands), 2020, 9, 100142.	7.7	97
6	Integration of wireless sensor networks in environmental monitoring cyber infrastructure. Wireless Networks, 2010, 16, 1091-1108.	3.0	60
7	Signal Processing for TDM MIMO FMCW Millimeter-Wave Radar Sensors. IEEE Access, 2021, 9, 167959-167971.	4.2	49
8	Nonidentical Linear Pulse-Coupled Oscillators Model With Application to Time Synchronization in Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2011, 58, 2205-2215.	7.9	41
9	Occupancy Estimation Using Thermal Imaging Sensors and Machine Learning Algorithms. IEEE Sensors Journal, 2021, 21, 8627-8638.	4.7	37
10	Design of A Low-Cost Wireless Indoor Air Quality Sensor Network System. International Journal of Wireless Information Networks, 2016, 23, 57-65.	2.7	34
11	Energy-Efficient Map Interpolation for Sensor Fields Using Kriging. IEEE Transactions on Mobile Computing, 2009, 8, 622-635.	5.8	33
12	Collaborative multi-sensor tracking in mobile wireless sensor networks. International Journal of Sensor Networks, 2010, 8, 233.	0.4	15
13	Orthogonal Pulse Design in Consideration of FCC and IEEE 802.15.4a Constraints. IEEE Communications Letters, 2013, 17, 896-899.	4.1	14
14	Accelerated Distributed Energy Management for Microgrids. , 2018, , .		13
15	Performance Study of RSS-Based Location Estimation Techniques for Wireless Sensor Networks. , 0, , .		12
16	Comparative study of RSS-based collaborative localization methods in sensor networks. , 2006, , .		10
17	AirSniffer: A smartphone-based sensor system for body area climate and air quality monitoring. , 2016, , .		9
18	Precision of RSS-based indoor geolocation in IoT applications. , 2017, , .		9

#	Article	IF	Citations
19	Detection of moving objects using thermal imaging sensors for occupancy estimation. Internet of Things (Netherlands), 2022, 17, 100487.	7.7	5
20	Recent Advances in Indoor Geolocation Techniques. International Journal of Wireless Information Networks, 2013, 20, 243-245.	2.7	4
21	Statistical ranking of sensor observations for centralized detection with distributed sensors. , 2013, , .		4
22	Implementation of compressive sampling for wireless sensor network applications. International Journal of Sensor Networks, 2019, 31, 226.	0.4	4
23	An Adaptive BLAST Successive Interference Cancellation Method for High Data Rate Perfect Space-Time Coded MIMO Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 1542-1553.	6.3	4
24	Special Issue on AI-Driven Smart Networking and Communication for Personal Internet of Things, Part I. International Journal of Wireless Information Networks, 2019, 26, 131-132.	2.7	3
25	Work In Progress: An Innovative Electrical Engineering Program Integrating Project-Oriented and Lifelong Learning Pedagogies. , 2006, , .		2
26	Sequential Monte Carlo Methods for Collaborative Multi-Sensor Tracking. , 2007, , .		2
27	Recent Advances in Wireless Localization Technologies. International Journal of Wireless Information Networks, 2012, 19, 287-289.	2.7	2
28	Time Synchronization Algorithms in Low-Cost Wireless Sensor Network Systems. International Journal of Wireless Information Networks, 2014, 21, 196-207.	2.7	2
29	Low Complexity Dynamic Soft-Output Sphere Decoding Based on LLR Clipping and Scaled Euclidean Distances. , 2018, , .		2
30	Measurement and Analysis of RSS Using Bluetooth Mesh Network for Localization Applications. Network, 2021, 1, 315-334.	2.4	2
31	Performance evaluation of eigenvalue-based detection strategies in a sensor network. , 2014, , .		1
32	Performance of perfect space-time codes under linear MMSE equalization and BLAST based decoding for large data rates. , 2018, , .		1
33	Introduction to Special Issue on Future of Wireless Communication and 6G Networks. International Journal of Wireless Information Networks, 2021, 28, 231-233.	2.7	1
34	Distributed implementation of particle filters for collaborative tracking in mobile ad-hoc and sensor networks. , 2008, , .		0
35	A novel soft-output decoding method for integer space-time block codes. , 2017, , .		0
36	Special Issue on AI-Driven Smart Networking and Communication for Personal Internet of Things: Part II. International Journal of Wireless Information Networks, 2020, 27, 207-208.	2.7	0

#	Article	IF	Citations
37	Distributed Middleware of Large-Scale Wireless Networks. International Journal of Distributed Sensor Networks, 2013, 9, 431863.	2.2	0