

Hwee-Pink Tan

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,861
citations

623574

14
h-index

713332

21
g-index

48
all docs

48
docs citations

48
times ranked

3533
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning in Wireless Sensor Networks: Algorithms, Strategies, and Applications. IEEE Communications Surveys and Tutorials, 2014, 16, 1996-2018.	24.8	683
2	A survey of techniques and challenges in underwater localization. Ocean Engineering, 2011, 38, 1663-1676.	1.9	420
3	Sensor OpenFlow: Enabling Software-Defined Wireless Sensor Networks. IEEE Communications Letters, 2012, 16, 1896-1899.	2.5	412
4	Wireless sensor networks powered by ambient energy harvesting (WSN-HEAP) - Survey and challenges. , 2009, , .		266
5	Mobile big data analytics using deep learning and apache spark. IEEE Network, 2016, 30, 22-29.	4.9	209
6	Design and performance analysis of MAC schemes for Wireless Sensor Networks Powered by Ambient Energy Harvesting. Ad Hoc Networks, 2011, 9, 300-323.	3.4	158
7	Markov Decision Processes With Applications in Wireless Sensor Networks: A Survey. IEEE Communications Surveys and Tutorials, 2015, 17, 1239-1267.	24.8	154
8	Incentive Mechanism Design for Heterogeneous Crowdsourcing Using All-Pay Contests. IEEE Transactions on Mobile Computing, 2016, 15, 2234-2246.	3.9	56
9	Rate-Distortion Balanced Data Compression for Wireless Sensor Networks. IEEE Sensors Journal, 2016, 16, 5072-5083.	2.4	54
10	Empirical modeling of a solar-powered energy harvesting wireless sensor node for time-slotted operation. , 2011, , .		51
11	LOS and NLOS Classification for Underwater Acoustic Localization. IEEE Transactions on Mobile Computing, 2014, 13, 311-323.	3.9	50
12	Early Detection of Mild Cognitive Impairment With In-Home Sensors to Monitor Behavior Patterns in Community-Dwelling Senior Citizens in Singapore: Cross-Sectional Feasibility Study. Journal of Medical Internet Research, 2020, 22, e16854.	2.1	38
13	Survey on wakeup scheduling for environmentally-powered wireless sensor networks. Computer Communications, 2014, 52, 21-36.	3.1	35
14	Adaptive opportunistic routing protocol for energy harvesting wireless sensor networks. , 2012, , .		31
15	Probabilistic polling for multi-hop energy harvesting wireless sensor networks. , 2012, , .		30
16	Wireless sensing without sensors—an experimental study of motion/intrusion detection using RF irregularity. Measurement Science and Technology, 2010, 21, 124007.	1.4	25
17	Enhancing responsiveness and scalability for OpenFlow networks via control-message quenching. , 2012, , .		21
18	Event Detection in Wireless Sensor Networks in Random Spatial Sensors Deployments. IEEE Transactions on Signal Processing, 2015, 63, 6122-6135.	3.2	21

#	ARTICLE	IF	CITATIONS
19	Energy-neutral scheduling and forwarding in environmentally-powered wireless sensor networks. Ad Hoc Networks, 2013, 11, 1202-1220.	3.4	19
20	An enhanced underwater positioning system to support deepwater installations. , 2009, , .		14
21	Admission control for differentiated services in future generation CDMA networks. Performance Evaluation, 2009, 66, 488-504.	0.9	14
22	Perspectives on the 21st Century Urban University from Singapore â€œ A viewpoint forum. Cities, 2019, 88, 252-260.	2.7	13
23	NLOS identification using a hybrid ToA-signal strength algorithm for underwater acoustic localization. , 2010, , .		12
24	Towards Unobtrusive Mental Well-Being Monitoring for Independent-Living Elderly. , 2017, , .		11
25	Enabling sustainable bulk transfer in environmentally-powered wireless sensor networks. Ad Hoc Networks, 2017, 54, 85-98.	3.4	10
26	Classification of Packet Transmission Outcomes in Wireless Sensor Networks. , 2011, , .		9
27	Elderly medication adherence monitoring with the Internet of Things. , 2016, , .		8
28	Improving the sensitivity of unobtrusive inactivity detection in sensor-enabled homes for the elderly. , 2016, , .		7
29	Toward a robust sparse data representation for wireless sensor networks. , 2015, , .		5
30	Online Detection of Behavioral Change Using Unobtrusive Eldercare Monitoring System. , 2016, , .		5
31	SmartBFA: A Passive Crowdsourcing System for Point-to-Point Barrier-Free Access. , 2019, , .		4
32	Fast Adaptation of Activity Sensing Policies in Mobile Devices. IEEE Transactions on Vehicular Technology, 2017, 66, 5995-6008.	3.9	3
33	Location-based admission control for differentiated services in 3G cellular networks. , 2006, , .		2
34	A Passive Testing Approach for Protocols in Wireless Sensor Networks. Sensors, 2015, 15, 29250-29272.	2.1	2
35	Where am I? Characterizing and improving the localization performance of off-the-shelf mobile devices through cooperation. , 2016, , .		2
36	An Internet of Things-Based Lift Predictive Maintenance System. IEEE Potentials, 2021, 40, 17-23.	0.2	2

#	ARTICLE	IF	CITATIONS
37	Comparison of the Mental Burden on Nursing Care Providers With and Without Mat-Type Sleep State Sensors at a Nursing Home in Tokyo, Japan: Quasi-Experimental Study. <i>JMIR Aging</i> , 2022, 5, e19641.	1.4	2
38	Passively Testing Routing Protocols in Wireless Sensor Networks. , 2015, , .		1
39	Evaluation of Sigfox LPWAN for sensor-enabled homes to identify at risk community dwelling seniors. , 2019, , .		1
40	IoT-Enabled Community Care for Ageing-in-Place: The Singapore Experience. , 2020, , .		1
41	Not you too? Distilling local contexts of poor cellular network performance through participatory sensing. , 2016, , .		0
42	BLE-Enabled Medication Events Monitoring System (MEMS) for Community Dwelling Seniors. , 2019, , .		0
43	Editorial: Recent Advances on Intelligent Mobility and Edge Computing. <i>Mobile Networks and Applications</i> , 2021, 26, 1971-1973.	2.2	0
44	Session details: Poster Session. , 2016, , .		0
45	Session details: Keynote Address Hwee-Pink. , 2016, , .		0
46	Prediction of Nocturia in Live Alone Elderly Using Unobtrusive In-Home Sensors. , 2020, , .		0