

Ozlem Durmaz Incel

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

2,253
citations

20
h-index

47
g-index

64
ext. papers

2,765
ext. citations

3.1
avg. IF

5.41
L-index

#	Paper	IF	Citations
57	A survey of online activity recognition using mobile phones. <i>Sensors</i> , 2015 , 15, 2059-85	3.8	313
56	Fusion of smartphone motion sensors for physical activity recognition. <i>Sensors</i> , 2014 , 14, 10146-76	3.8	275
55	Complex Human Activity Recognition Using Smartphone and Wrist-Worn Motion Sensors. <i>Sensors</i> , 2016 , 16, 426	3.8	210
54	A Review and Taxonomy of Activity Recognition on Mobile Phones. <i>BioNanoScience</i> , 2013 , 3, 145-171	3.4	195
53	Fast Data Collection in Tree-Based Wireless Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2012 , 11, 86-99	4.6	180
52	QoS-aware MAC protocols for wireless sensor networks: A survey. <i>Computer Networks</i> , 2011 , 55, 1982-2004	4.4	161
51	MC-LMAC: A multi-channel MAC protocol for wireless sensor networks. <i>Ad Hoc Networks</i> , 2011 , 9, 73-94	4.8	126
50	A survey on multi-channel communication in wireless sensor networks. <i>Computer Networks</i> , 2011 , 55, 3081-3099	5.4	104
49	ARAS Human Activity Datasets in Multiple Homes with Multiple Residents 2013 ,		62
48	User, device and orientation independent human activity recognition on mobile phones 2013 ,		54
47	Towards detection of bad habits by fusing smartphone and smartwatch sensors 2015 ,		51
46	Multimodal wireless sensor network-based ambient assisted living in real homes with multiple residents. <i>Sensors</i> , 2014 , 14, 9692-719	3.8	48
45	Analysis of Movement, Orientation and Rotation-Based Sensing for Phone Placement Recognition. <i>Sensors</i> , 2015 , 15, 25474-506	3.8	44
44	Enhancing the Data Collection Rate of Tree-Based Aggregation in Wireless Sensor Networks 2008 ,		37
43	Phone position/placement detection using accelerometer: Impact on activity recognition 2015 ,		35
42	Multichannel Scheduling and Spanning Trees: ThroughputDelay Tradeoff for Fast Data Collection in Sensor Networks. <i>IEEE/ACM Transactions on Networking</i> , 2011 , 19, 1731-1744	3.8	31
41	Design and implementation of a QoS-aware MAC protocol for Wireless Multimedia Sensor Networks. <i>Computer Communications</i> , 2011 , 34, 1991-2001	5.1	31

40	2009,			31
39	A hierarchical lazy smoking detection algorithm using smartwatch sensors 2016,			28
38	On the interdependency between multi-channel scheduling and tree-based routing for WSNs in smart grid environments. <i>Computer Networks</i> , 2014 , 65, 1-20	5.4		23
37	Scheduling Algorithms for Tree-Based Data Collection in Wireless Sensor Networks. <i>Monographs in Theoretical Computer Science</i> , 2011 , 407-445	4		20
36	Towards Continuous Authentication on Mobile Phones using Deep Learning Models. <i>Procedia Computer Science</i> , 2019 , 155, 177-184	1.6		19
35	Countrywide arrhythmia: emergency event detection using mobile phone data. <i>EPJ Data Science</i> , 2016 , 5,	3.4		16
34	Multi-channel Support for Dense Wireless Sensor Networking. <i>Lecture Notes in Computer Science</i> , 2006 , 1-14	0.9		16
33	Fuzzy-based congestion control for wireless multimedia sensor networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2014 , 2014,	3.2		12
32	Multi-Channel Interference Measurements for Wireless Sensor Networks 2006,			12
31	Time series forecasting on multivariate solar radiation data using deep learning (LSTM). <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2020 , 28, 211-223	0.9		10
30	QoS vs. energy: A traffic-aware topology management scheme for green heterogeneous networks. <i>Computer Networks</i> , 2015 , 78, 130-139	5.4		9
29	Semantic place prediction from crowd-sensed mobile phone data. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018 , 9, 2109-2124	3.7		9
28	SmokeSense: Online Activity Recognition Framework on Smartwatches. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 106-124	0.2		9
27	Resource Usage Analysis of a Mobile Banking Application using Sensor-and-Touchscreen-Based Continuous Authentication. <i>Procedia Computer Science</i> , 2019 , 155, 185-192	1.6		7
26	Dynamic base station planning with power adaptation for green wireless cellular networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2014 , 2014,	3.2		7
25	Multi-modal fall detection within the WeCare framework 2010,			6
24	Resource consumption analysis of online activity recognition on mobile phones and smartwatches 2017,			5
23	Diff-MAC 2010,			5

22	Complexity versus Page Hierarchy of a GUI for Elderly Homecare Applications. <i>Lecture Notes in Computer Science</i> , 2012 , 689-696	0.9	5
21	Dynamic BS Topology Management for Green Next Generation HetNets: An Urban Case Study. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 3482-3498	14.2	4
20	A robust multimodal fall detection method for ambient assisted living applications 2010 ,		4
19	ARService: A Smartphone based Crowd-Sourced Data Collection and Activity Recognition Framework. <i>Procedia Computer Science</i> , 2018 , 130, 1019-1024	1.6	4
18	DAKOTA: Continuous Authentication with Behavioral Biometrics in a Mobile Banking Application 2020 ,		3
17	Human activity recognition with mobile phone sensors: Impact of sensors and window size 2018 ,		3
16	QoS-Aware MAC protocols utilizing sectored antenna for wireless sensor networks-based smart grid applications. <i>International Journal of Communication Systems</i> , 2017 , 30, e3168	1.7	3
15	SUIT: A Cross Layer Image Transport Protocol with Fuzzy Logic Based Congestion Control for Wireless Multimedia Sensor Networks 2012 ,		3
14	Bounded-Degree Minimum-Radius Spanning Trees for Fast Data Collection in Sensor Networks 2010 ,		3
13	Feature Engineering for Activity Recognition from Wrist-worn Motion Sensors 2016 ,		3
12	Context-aware and dynamically adaptable activity recognition with smart watches: A case study on smoking. <i>Computers and Electrical Engineering</i> , 2021 , 90, 106949	4.3	3
11	DAKOTA: Sensor and Touch Screen-Based Continuous Authentication on a Mobile Banking Application. <i>IEEE Access</i> , 2021 , 9, 38943-38960	3.5	3
10	Design of sensor-based augmented reality software (SARAS) 2015 ,		2
9	Smoking recognition with smartwatch sensors in different postures and impact of user's height. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2020 , 12, 239-261	2.2	2
8	Resource Usage Analysis of a Sensor-based Mobile Augmented Reality Application. <i>Procedia Computer Science</i> , 2016 , 83, 300-304	1.6	2
7	Position-aware activity recognition on mobile phones 2014 ,		2
6	Characterization of multi-channel interference 2008 ,		1
5	Poster Abstract: Measurements on the Efficiency of Overlapping Channels 2007 ,		1

4	Semantic place prediction from mobile phone sensors 2016 ,		1
3	Using behavioral biometric sensors of mobile phones for user authentication. <i>Procedia Computer Science</i> , 2019 , 159, 475-484	1.6	0
2	Mobile Device Identification via User Behavior Analysis. <i>Communications in Computer and Information Science</i> , 2019 , 32-46	0.3	0
1	Human Activity Recognition with Smart Watches Using Federated Learning. <i>Lecture Notes in Networks and Systems</i> , 2022 , 77-85	0.5	