Ozlem Durmaz Incel

List of Publications by Year in Descending Order

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	Human Activity Recognition with Smart Watches Using Federated Learning. *Lecture Notes in Networks and Systems*, **2022**, 77-85	0.5	
56	Context-aware and dynamically adaptable activity recognition with smart watches: A case study on smoking. *Computers and Electrical Engineering*, **2021**, 90, 106949	4.3	3
55	DAKOTA: Sensor and Touch Screen-Based Continuous Authentication on a Mobile Banking Application. *IEEE Access*, **2021**, 9, 38943-38960	3.5	3
54	DAKOTA: Continuous Authentication with Behavioral Biometrics in a Mobile Banking Application **2020**,		3
53	Smoking recognition with smartwatch sensors in different postures and impact of user height. *Journal of Ambient Intelligence and Smart Environments*, **2020**, 12, 239-261	2.2	2
52	Time series forecasting on multivariate solar radiation data using deep learning (LSTM). *Turkish Journal of Electrical Engineering and Computer Sciences*, **2020**, 28, 211-223	0.9	10
51	Towards Continuous Authentication on Mobile Phones using Deep Learning Models. *Procedia Computer Science*, **2019**, 155, 177-184	1.6	19
50	Resource Usage Analysis of a Mobile Banking Application using Sensor-and-Touchscreen-Based Continuous Authentication. *Procedia Computer Science*, **2019**, 155, 185-192	1.6	7
49	Using behavioral biometric sensors of mobile phones for user authentication. *Procedia Computer Science*, **2019**, 159, 475-484	1.6	0
48	Mobile Device Identification via User Behavior Analysis. *Communications in Computer and Information Science*, **2019**, 32-46	0.3	0
47	Semantic place prediction from crowd-sensed mobile phone data. *Journal of Ambient Intelligence and Humanized Computing*, **2018**, 9, 2109-2124	3.7	9
46	Human activity recognition with mobile phone sensors: Impact of sensors and window size **2018**,		3
45	SmokeSense: Online Activity Recognition Framework on Smartwatches. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 106-124	0.2	9
44	ARService: A Smartphone based Crowd-Sourced Data Collection and Activity Recognition Framework. *Procedia Computer Science*, **2018**, 130, 1019-1024	1.6	4
43	QoS-Aware MAC protocols utilizing sectored antenna for wireless sensor networks-based smart grid applications. *International Journal of Communication Systems*, **2017**, 30, e3168	1.7	3
42	Resource consumption analysis of online activity recognition on mobile phones and smartwatches **2017**,		5
41	Countrywide arrhythmia: emergency event detection using mobile phone data. *EPJ Data Science*, **2016**, 5,	3.4	16

40	Dynamic BS Topology Management for Green Next Generation HetNets: An Urban Case Study. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 3482-3498	14.2	4
39	Resource Usage Analysis of a Sensor-based Mobile Augmented Reality Application. *Procedia Computer Science*, **2016**, 83, 300-304	1.6	2
38	Feature Engineering for Activity Recognition from Wrist-worn Motion Sensors **2016**,		3
37	Complex Human Activity Recognition Using Smartphone and Wrist-Worn Motion Sensors. *Sensors*, **2016**, 16, 426	3.8	210
36	A hierarchical lazy smoking detection algorithm using smartwatch sensors **2016**,		28
35	Semantic place prediction from mobile phone sensors **2016**,		1
34	Design of sensor-based augmented reality software (SARAS) **2015**,		2
33	A survey of online activity recognition using mobile phones. *Sensors*, **2015**, 15, 2059-85	3.8	313
32	Phone position/placement detection using accelerometer: Impact on activity recognition **2015**,		35
31	Towards detection of bad habits by fusing smartphone and smartwatch sensors **2015**,		51
30	QoS vs. energy: A traffic-aware topology management scheme for green heterogeneous networks. *Computer Networks*, **2015**, 78, 130-139	5.4	9
29	Analysis of Movement, Orientation and Rotation-Based Sensing for Phone Placement Recognition. *Sensors*, **2015**, 15, 25474-506	3.8	44
28	Fuzzy-based congestion control for wireless multimedia sensor networks. *Eurasip Journal on Wireless Communications and Networking*, **2014**, 2014,	3.2	12
27	Dynamic base station planning with power adaptation for green wireless cellular networks. *Eurasip Journal on Wireless Communications and Networking*, **2014**, 2014,	3.2	7
26	Position-aware activity recognition on mobile phones **2014**,		2
25	Fusion of smartphone motion sensors for physical activity recognition. *Sensors*, **2014**, 14, 10146-76	3.8	275
24	Multimodal wireless sensor network-based ambient assisted living in real homes with multiple residents. *Sensors*, **2014**, 14, 9692-719	3.8	48
23	On the interdependency between multi-channel scheduling and tree-based routing for WSNs in smart grid environments. *Computer Networks*, **2014**, 65, 1-20	5.4	23

22	User, device and orientation independent human activity recognition on mobile phones **2013**,		54
21	A Review and Taxonomy of Activity Recognition on Mobile Phones. *BioNanoScience*, **2013**, 3, 145-171	3.4	195
20	ARAS Human Activity Datasets in Multiple Homes with Multiple Residents **2013**,		62
19	Fast Data Collection in Tree-Based Wireless Sensor Networks. *IEEE Transactions on Mobile Computing*, **2012**, 11, 86-99	4.6	180
18	SUIT: A Cross Layer Image Transport Protocol with Fuzzy Logic Based Congestion Control for Wireless Multimedia Sensor Networks **2012**,		3
17	Complexity versus Page Hierarchy of a GUI for Elderly Homecare Applications. *Lecture Notes in Computer Science*, **2012**, 689-696	0.9	5
16	Multichannel Scheduling and Spanning Trees: Throughput-Delay Tradeoff for Fast Data Collection in Sensor Networks. *IEEE/ACM Transactions on Networking*, **2011**, 19, 1731-1744	3.8	31
15	Design and implementation of a QoS-aware MAC protocol for Wireless Multimedia Sensor Networks. *Computer Communications*, **2011**, 34, 1991-2001	5.1	31
14	QoS-aware MAC protocols for wireless sensor networks: A survey. *Computer Networks*, **2011**, 55, 1982-2004	1.4	161
13	A survey on multi-channel communication in wireless sensor networks. *Computer Networks*, **2011**, 55, 3081-3099	5.4	104
12	MC-LMAC: A multi-channel MAC protocol for wireless sensor networks. *Ad Hoc Networks*, **2011**, 9, 73-94	4.8	126
11	Scheduling Algorithms for Tree-Based Data Collection in Wireless Sensor Networks. *Monographs in Theoretical Computer Science*, **2011**, 407-445	4	20
10	Multi-modal fall detection within the WeCare framework **2010**,		6
9	Bounded-Degree Minimum-Radius Spanning Trees for Fast Data Collection in Sensor Networks **2010**,		3
8	Diff-MAC **2010**,		5
7	A robust multimodal fall detection method for ambient assisted living applications **2010**,		4
6	**2009**,		31
5	Characterization of multi-channel interference **2008**,		1

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4	Enhancing the Data Collection Rate of Tree-Based Aggregation in Wireless Sensor Networks **2008**,		37
3	Poster Abstract: Measurements on the Efficiency of Overlapping Channels **2007**,		1
2	Multi-Channel Interference Measurements for Wireless Sensor Networks **2006**,		12
1	Multi-channel Support for Dense Wireless Sensor Networking. *Lecture Notes in Computer Science*, **2006**, 1-14	0.9	16