Andrea Sciarrone

List of Publications by Year
in descending order

50 papers	1,152 citations	516710 16 h-index	552781 26 g-index
50 all docs	50 docs citations	50 times ranked	1405 citing authors

#	Article	IF	Citations
1	Enabling IoT for In-Home Rehabilitation: Accelerometer Signals Classification Methods for Activity and Movement Recognition. IEEE Internet of Things Journal, 2017, 4, 135-146.	8.7	141
2	Blind Detection: Advanced Techniques for WiFi-Based Drone Surveillance. IEEE Transactions on Vehicular Technology, 2019, 68, 938-946.	6.3	88
3	A Trainingless WiFi Fingerprint Positioning Approach Over Mobile Devices. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 832-835.	4.0	79
4	Gender-Driven Emotion Recognition Through Speech Signals For Ambient Intelligence Applications. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 244-257.	4.6	73
5	Smart probabilistic fingerprinting for WiFi-based indoor positioning with mobile devices. Pervasive and Mobile Computing, 2016, 31, 107-123.	3.3	70
6	GPS/HPS-and Wi-Fi Fingerprint-Based Location Recognition for Check-In Applications Over Smartphones in Cloud-Based LBSs. IEEE Transactions on Multimedia, 2013, 15, 858-869.	7.2	58
7	Brain Stroke Microwave Imaging by Means of a Newton-Conjugate-Gradient Method in <inline-formula> <tex-math notation="LaTeX">L^{p} </tex-math> </inline-formula> Banach Spaces. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3668-3682.	4.6	58
8	Smartphone-centric ambient assisted living platform for patients suffering from co-morbidities monitoring. , 2015, 53, 34-41.		52
9	Variable-Exponent Lebesgue-Space Inversion for Brain Stroke Microwave Imaging. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1882-1895.	4.6	48
10	A smartphoneâ€centric platform for remote health monitoring of heart failure. International Journal of Communication Systems, 2015, 28, 1753-1771.	2.5	46
11	Exploiting Context-Aware Capabilities over the Internet of Things for Industry 4.0 Applications. IEEE Network, 2018, 32, 101-107.	6.9	44
12	When eHealth Meets IoT: A Smart Wireless System for Post-Stroke Home Rehabilitation. IEEE Wireless Communications, 2019, 26, 24-29.	9.0	42
13	A new asset tracking architecture integrating RFID, Bluetooth Low Energy tags and ad hoc smartphone applications. Pervasive and Mobile Computing, 2016, 31, 79-93.	3.3	34
14	Joint Coding and Multicast Subgrouping Over Satellite-eMBMS Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 1004-1016.	14.0	34
15	Smart Probabilistic Fingerprinting for Indoor Localization over Fog Computing Platforms. , 2016, , .		33
16	A numerical study concerning brain stroke detection by microwave imaging systems. Multimedia Tools and Applications, 2018, 77, 9341-9363.	3.9	30
17	Smart and Robust Speaker Recognition for Context-Aware In-Vehicle Applications. IEEE Transactions on Vehicular Technology, 2018, 67, 8808-8821.	6.3	27
18	Energy efficient WiFi-based fingerprinting for indoor positioning with smartphones. , 2013, , .		22

#	Article	IF	Citations
19	Outdoor Places of Interest Recognition Using WiFi Fingerprints. IEEE Transactions on Vehicular Technology, 2019, 68, 5076-5086.	6.3	18
20	Ultrasounds-Based Context Sensing Method and Applications Over the Internet of Things. IEEE Internet of Things Journal, 2018, 5, 3876-3890.	8.7	17
21	Comparison of situation awareness algorithms for remote health monitoring with smartphones. , 2014, , .		14
22	Contextâ€awareness over transient cloud in D2D networks: energy performance analysis and evaluation. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3002.	3.9	14
23	Leveraging IoT Wearable Technology Towards Early Diagnosis of Neurological Diseases. IEEE Journal on Selected Areas in Communications, 2021, 39, 582-592.	14.0	13
24	Performance Evaluation and Analysis of Drone-Based Vehicle Detection Techniques From Deep Learning Perspective. IEEE Internet of Things Journal, 2022, 9, 10920-10935.	8.7	13
25	WiFi Meets Barometer: Smartphone-Based 3D Indoor Positioning Method. , 2018, , .		12
26	Fast Multiattribute Network Selection Technique for Vertical Handover in Heterogeneous Emergency Communication Systems. Wireless Communications and Mobile Computing, 2019, 2019, 1-17.	1.2	10
27	Speaker Count application for smartphone platforms. , 2010, , .		9
28	SPECTRA: A SPEech proCessing plaTform as smaRtphone Application. , 2015, , .		7
29	Smartphone-based automatic place recognition with Wi-Fi signals for location-aware services. , 2012, , .		6
30	Performance evaluation of Application Layer Joint Coding solutions for video transmissions between Mobile Devices over the Internet of Things. Computer Communications, 2018, 118, 50-59.	5.1	6
31	An AP-Centred Smart Probabilistic Fingerprint System for Indoor Positioning. , 2018, , .		6
32	Speaker Recognition Exploiting D2D Communications Paradigm: Performance Evaluation of Multiple Observations Approaches. Mobile Networks and Applications, 2017, 22, 1045-1057.	3.3	5
33	Asset Tracking Solution with BLE and Smartphones: An Energy/Position Accuracy Trade-Off. , 2015, , .		4
34	Statistical Analysis of Wireless Traffic: An Adversarial Approach to Drone Surveillance. , 2019, , .		4
35	Towards IoT-Based eHealth Services: A Smart Prototype System for Home Rehabilitation. , 2019, , .		3
36	Early Detection of External Neurological Symptoms through a Wearable Smart-Glasses Prototype. Journal of Communications Software and Systems, 2021, 17, 160-168.	0.8	3

#	Article	IF	Citations
37	Enhancing Speaker Recognition with Multiple Observations over Mobile Networks. , 2016, , .		1
38	Enabling smartphone-centric platforms for in-home rehabilitation: A comparison among movement recognition approaches. , 2016, , .		1
39	Performance analysis of smart audio pre-processing for noise-robust text-independent speaker recognition. , 2017, , .		1
40	An Imaging Technique for Brain Stroke Monitoring at Microwaves. , 2018, , .		1
41	Outdoor Places of Interest Recognition with WiFi Fingerprint Over Mobile Devices. , 2019, , .		1
42	A Tomographic Multistatic System for Biomedical Microwave Sensing. , 2020, , .		1
43	Computational Complexity Closed-Form Upper Bounds Derivation for Fingerprint-Based Point-of-Interest Recognition Algorithms. IEEE Transactions on Vehicular Technology, 2020, 69, 9083-9096.	6.3	1
44	Performance Analysis of an IoT-Based Personal Vocal Assistant for Cruise Ships Over Satellite Networks. IEEE Internet of Things Journal, 2022, 9, 14857-14866.	8.7	1
45	A Microwave Diagnostic Technique for Early-Stage Brain Stroke Characterization. , 2020, , .		1
46	Asset Tracking Solution with BLE and Smartphones: An Energy/Position Accuracy Trade-Off. , 2014, , .		0
47	Context Awareness over Transient Clouds. , 2014, , .		0
48	Microwave data inversion in hemorrhagic brain stroke imaging: A Newton-conjugate-gradient based approach in LpBanach spaces (Invited paper). , 2017, , .		0
49	Computational Complexity Upper Bounds For Fingerprint-Based Point-Of-Interest Recognition Algorithms. , 2019, , .		0
50	Special Issue â€œWearable and BAN Sensors for Physical Rehabilitation and eHealth Architecturesâ€• Sensors, 2021, 21, 8509.	3.8	0