

Andrea Giorgetti

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,264
citations

471509

17
h-index

434195

31
g-index

58
all docs

58
docs citations

58
times ranked

1042
citing authors

#	ARTICLE	IF	CITATIONS
1	The Impact of Channel Type on Spectrum Sensing. IEEE Wireless Communications Letters, 2022, 11, 230-234.	5.0	2
2	RSS-Based Localization of Multiple Radio Transmitters via Blind Source Separation. IEEE Communications Letters, 2022, 26, 532-536.	4.1	4
3	System-Level Analysis of Joint Sensing and Communication Based on 5G New Radio. IEEE Journal on Selected Areas in Communications, 2022, 40, 2043-2055.	14.0	35
4	Density Estimation in Randomly Distributed Wireless Networks. IEEE Transactions on Wireless Communications, 2022, , 1-1.	9.2	0
5	The impact of sensing parameters on data management and anomaly detection in structural health monitoring. Journal of Civil Structural Health Monitoring, 2022, 12, 1413-1425.	3.9	2
6	Performance Analysis of a Bistatic Joint Sensing and Communication System. , 2022, , .		8
7	Blind Wireless Network Topology Inference. IEEE Transactions on Communications, 2021, 69, 1109-1120.	7.8	16
8	UAV Mapping for Multiple Primary Users Localization. , 2021, , .		0
9	Data Management in Structural Health Monitoring. Lecture Notes in Civil Engineering, 2021, , 809-823.	0.4	0
10	Blind Traffic Classification in Wireless Networks. , 2021, , .		1
11	Blind Source Separation for Wireless Networks: A Tool for Topology Sensing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 29-42.	0.3	1
12	Machine Learning for Automatic Processing of Modal Analysis in Damage Detection of Bridges. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	33
13	Multiple Radio Transmitter Localization via UAV-Based Mapping. IEEE Transactions on Vehicular Technology, 2021, 70, 8811-8822.	6.3	12
14	A track-before-detect algorithm for UWB radar sensor networks. Signal Processing, 2021, 189, 108257.	3.7	11
15	Performance Analysis of Joint Sensing and Communication based on 5G New Radio. , 2021, , .		7
16	Human Activities Classification Using Biaxial Seismic Sensors. , 2020, 4, 1-4.		15
17	An Energy-Efficient Unselfish Spectrum Leasing Scheme for Cognitive Radio Networks. Sensors, 2020, 20, 6161.	3.8	5
18	Mixture Detectors for Improved Spectrum Sensing. IEEE Transactions on Wireless Communications, 2020, 19, 4335-4348.	9.2	12

#	ARTICLE	IF	CITATIONS
19	A Track-Before-Detect Approach for UWB Radar Sensor Networks. , 2020, , .		1
20	Reinforcement Learning for Connected Autonomous Vehicle Localization via UAVs. , 2020, , .		9
21	Closed-Form Approximation of Weighted Centroid Localization Performance. , 2019, 3, 1-4.		6
22	On Oversampling-Based Signal Detection. International Journal of Wireless Information Networks, 2019, 26, 272-284.	2.7	7
23	Lossy Compression of Noisy Sparse Sources Based on Syndrome Encoding. IEEE Transactions on Communications, 2019, 67, 7073-7087.	7.8	15
24	Machine Learning for Wireless Network Topology Inference. , 2019, , .		14
25	One Class Classifier Neural Network for Anomaly Detection in Low Dimensional Feature Spaces. , 2019, , .		9
26	Anomaly Detection Using WiFi Signals of Opportunity. , 2019, , .		10
27	Limits on Sparse Data Acquisition: RIC Analysis of Finite Gaussian Matrices. IEEE Transactions on Information Theory, 2019, 65, 1578-1588.	2.4	19
28	Accurate Analysis of Weighted Centroid Localization. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 153-164.	7.9	21
29	Emerging Distributed Programming Paradigm for Cyber-Physical Systems Over LoRaWANs. , 2018, , .		8
30	Machine Learning for User Traffic Classification in Wireless Systems. , 2018, , .		15
31	Sensor Radar for Object Tracking. Proceedings of the IEEE, 2018, 106, 1022-1041.	21.3	80
32	Blind Localization of Primary Users with Sectorial Antennas. , 2018, , .		3
33	Weak RIC Analysis of Finite Gaussian Matrices for Joint Sparse Recovery. IEEE Signal Processing Letters, 2017, 24, 1473-1477.	3.6	8
34	Statistical distribution of position error in weighted centroid localization. , 2017, , .		5
35	A method for locating rockfall impacts using signals recorded by a microseismic network. Geoenvironmental Disasters, 2017, 4, .	3.6	14
36	A Robust Wireless Sensor Network for Landslide Risk Analysis: System Design, Deployment, and Field Testing. IEEE Sensors Journal, 2016, 16, 6374-6386.	4.7	65

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37	Exact analysis of weighted centroid localization. , 2016, , .		7
38	Combined Finiteâ€“Discrete Numerical Modeling of Runout of the Torgiovanetto di Assisi Rockslide in Central Italy. International Journal of Geomechanics, 2016, 16, .	2.7	29
39	Blind Selection of Representative Observations for Sensor Radar Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 1388-1400.	6.3	96
40	Model Order Selection Based on Information Theoretic Criteria: Design of the Penalty. IEEE Transactions on Signal Processing, 2015, 63, 2779-2789.	5.3	44
41	Designing ITC selection algorithms for wireless sources enumeration. , 2015, , .		3
42	Multiple target tracking with particle filtering in UWB radar sensor networks. , 2015, , .		5
43	Constrained cluster based blind localization of primary user for cognitive radio networks. , 2015, , .		6
44	Subspace-based spectrum guarding. , 2015, , .		2
45	Wideband Spectrum Sensing by Model Order Selection. IEEE Transactions on Wireless Communications, 2015, 14, 6710-6721.	9.2	35
46	Periodic Spectrum Sensing With Non-Continuous Primary User Transmissions. IEEE Transactions on Wireless Communications, 2015, 14, 1636-1649.	9.2	37
47	Multiple target detection and localization in UWB multistatic radars. , 2014, , .		8
48	Sensor Radar Networks for Indoor Tracking. IEEE Wireless Communications Letters, 2014, 3, 157-160.	5.0	49
49	Target Tracking for UWB Multistatic Radar Sensor Networks. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 125-136.	10.8	64
50	Stop-and-Go Receivers for Non-Coherent Impulse Communications. IEEE Transactions on Wireless Communications, 2014, 13, 4821-4835.	9.2	12
51	Bayesian tracking in UWB radar sensor networks. , 2013, , .		8
52	Time-of-Arrival Estimation Based on Information Theoretic Criteria. IEEE Transactions on Signal Processing, 2013, 61, 1869-1879.	5.3	61
53	Test of independence for cooperative spectrum sensing with uncalibrated receivers. , 2012, , .		22
54	Cooperative weighted centroid localization for cognitive radio networks. , 2012, , .		36

#	ARTICLE	IF	CITATIONS
55	Throughput per Pass for Data Aggregation from a Wireless Sensor Network via a UAV. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 2610-2626.	4.7	43
56	Effects of Noise Power Estimation on Energy Detection for Cognitive Radio Applications. IEEE Transactions on Communications, 2011, 59, 3410-3420.	7.8	203
57	Cross-Layer Design of an Energy-Efficient Cluster Formation Algorithm with Carrier-Sensing Multiple Access for Wireless Sensor Networks. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	2.4	21
58	Title is missing!. Wireless Personal Communications, 2003, 24, 205-218.	2.7	0