

Andrea Giorgetti

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,264
citations

471509

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h-index

434195

31
g-index

58
all docs

58
docs citations

58
times ranked

1042
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Noise Power Estimation on Energy Detection for Cognitive Radio Applications. IEEE Transactions on Communications, 2011, 59, 3410-3420.	7.8	203
2	Blind Selection of Representative Observations for Sensor Radar Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 1388-1400.	6.3	96
3	Sensor Radar for Object Tracking. Proceedings of the IEEE, 2018, 106, 1022-1041.	21.3	80
4	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
5	Target Tracking for UWB Multistatic Radar Sensor Networks. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 125-136.	10.8	64
6	Time-of-Arrival Estimation Based on Information Theoretic Criteria. IEEE Transactions on Signal Processing, 2013, 61, 1869-1879.	5.3	61
7	Sensor Radar Networks for Indoor Tracking. IEEE Wireless Communications Letters, 2014, 3, 157-160.	5.0	49
8	Model Order Selection Based on Information Theoretic Criteria: Design of the Penalty. IEEE Transactions on Signal Processing, 2015, 63, 2779-2789.	5.3	44
9	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
10	Periodic Spectrum Sensing With Non-Continuous Primary User Transmissions. IEEE Transactions on Wireless Communications, 2015, 14, 1636-1649.	9.2	37
11	Cooperative weighted centroid localization for cognitive radio networks. , 2012, , .		36
12	Wideband Spectrum Sensing by Model Order Selection. IEEE Transactions on Wireless Communications, 2015, 14, 6710-6721.	9.2	35
13	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
14	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
15	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
16	Test of independence for cooperative spectrum sensing with uncalibrated receivers. , 2012, , .		22
17	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
18	Accurate Analysis of Weighted Centroid Localization. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 153-164.	7.9	21

#	ARTICLE	IF	CITATIONS
19	Limits on Sparse Data Acquisition: RIC Analysis of Finite Gaussian Matrices. IEEE Transactions on Information Theory, 2019, 65, 1578-1588.	2.4	19
20	Blind Wireless Network Topology Inference. IEEE Transactions on Communications, 2021, 69, 1109-1120.	7.8	16
21	Machine Learning for User Traffic Classification in Wireless Systems. , 2018, , .		15
22	Lossy Compression of Noisy Sparse Sources Based on Syndrome Encoding. IEEE Transactions on Communications, 2019, 67, 7073-7087.	7.8	15
23	Human Activities Classification Using Biaxial Seismic Sensors. , 2020, 4, 1-4.		15
24	A method for locating rockfall impacts using signals recorded by a microseismic network. Geoenvironmental Disasters, 2017, 4, .	3.6	14
25	Machine Learning for Wireless Network Topology Inference. , 2019, , .		14
26	Stop-and-Go Receivers for Non-Coherent Impulse Communications. IEEE Transactions on Wireless Communications, 2014, 13, 4821-4835.	9.2	12
27	Mixture Detectors for Improved Spectrum Sensing. IEEE Transactions on Wireless Communications, 2020, 19, 4335-4348.	9.2	12
28	Multiple Radio Transmitter Localization via UAV-Based Mapping. IEEE Transactions on Vehicular Technology, 2021, 70, 8811-8822.	6.3	12
29	A track-before-detect algorithm for UWB radar sensor networks. Signal Processing, 2021, 189, 108257.	3.7	11
30	Anomaly Detection Using WiFi Signals of Opportunity. , 2019, , .		10
31	One Class Classifier Neural Network for Anomaly Detection in Low Dimensional Feature Spaces. , 2019, , .		9
32	Reinforcement Learning for Connected Autonomous Vehicle Localization via UAVs. , 2020, , .		9
33	Bayesian tracking in UWB radar sensor networks. , 2013, , .		8
34	Multiple target detection and localization in UWB multistatic radars. , 2014, , .		8
35	Weak RIC Analysis of Finite Gaussian Matrices for Joint Sparse Recovery. IEEE Signal Processing Letters, 2017, 24, 1473-1477.	3.6	8
36	Emerging Distributed Programming Paradigm for Cyber-Physical Systems Over LoRaWANs. , 2018, , .		8

#	ARTICLE	IF	CITATIONS
37	Performance Analysis of a Bistatic Joint Sensing and Communication System. , 2022, , .		8
38	Exact analysis of weighted centroid localization. , 2016, , .		7
39	On Oversampling-Based Signal Detection. International Journal of Wireless Information Networks, 2019, 26, 272-284.	2.7	7
40	Performance Analysis of Joint Sensing and Communication based on 5G New Radio. , 2021, , .		7
41	Constrained cluster based blind localization of primary user for cognitive radio networks. , 2015, , .		6
42	Closed-Form Approximation of Weighted Centroid Localization Performance. , 2019, 3, 1-4.		6
43	Multiple target tracking with particle filtering in UWB radar sensor networks. , 2015, , .		5
44	Statistical distribution of position error in weighted centroid localization. , 2017, , .		5
45	An Energy-Efficient Unselfish Spectrum Leasing Scheme for Cognitive Radio Networks. Sensors, 2020, 20, 6161.	3.8	5
46	RSS-Based Localization of Multiple Radio Transmitters via Blind Source Separation. IEEE Communications Letters, 2022, 26, 532-536.	4.1	4
47	Designing ITC selection algorithms for wireless sources enumeration. , 2015, , .		3
48	Blind Localization of Primary Users with Sectorial Antennas. , 2018, , .		3
49	Subspace-based spectrum guarding. , 2015, , .		2
50	The Impact of Channel Type on Spectrum Sensing. IEEE Wireless Communications Letters, 2022, 11, 230-234.	5.0	2
51	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
52	Blind Traffic Classification in Wireless Networks. , 2021, , .		1
53	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
54	A Track-Before-Detect Approach for UWB Radar Sensor Networks. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
55	Title is missing!. Wireless Personal Communications, 2003, 24, 205-218.	2.7	0
56	UAV Mapping for Multiple Primary Users Localization. , 2021, , .		0
57	Data Management in Structural Health Monitoring. Lecture Notes in Civil Engineering, 2021, , 809-823.	0.4	0
58	Density Estimation in Randomly Distributed Wireless Networks. IEEE Transactions on Wireless Communications, 2022, , 1-1.	9.2	0