Alessio Fascista

List of Publications by Year
in descending order

30	800	567144	713332
papers	citations	15	21
		h-index	g-index

30	30	30	744
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the Hybrid TOA/RSS Range Estimation in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2018, 17, 361-371.	6.1	91
2	Angle of Arrival-Based Cooperative Positioning for Smart Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2880-2892.	4.7	79
3	Detection and Classification of Multirotor Drones in Radar Sensor Networks: A Review. Sensors, 2020, 20, 4172.	2.1	72
4	A Localization Algorithm Based on V2I Communications and AOA Estimation. IEEE Signal Processing Letters, 2017, 24, 126-130.	2.1	60
5	Drone vs. Bird Detection: Deep Learning Algorithms and Results from a Grand Challenge. Sensors, 2021, 21, 2824.	2.1	56
6	Millimeter-Wave Downlink Positioning With a Single-Antenna Receiver. IEEE Transactions on Wireless Communications, 2019, 18, 4479-4490.	6.1	55
7	Toward Integrated Large-Scale Environmental Monitoring Using WSN/UAV/Crowdsensing: A Review of Applications, Signal Processing, and Future Perspectives. Sensors, 2022, 22, 1824.	2.1	45
8	A Review of Advanced Localization Techniques for Crowdsensing Wireless Sensor Networks. Sensors, 2019, 19, 988.	2.1	38
9	Hybrid TOA/RSS Range-Based Localization with Self-Calibration in Asynchronous Wireless Networks. Journal of Sensor and Actuator Networks, 2019, 8, 31.	2.3	37
10	RIS-Aided Joint Localization and Synchronization With a Single-Antenna Receiver: Beamforming Design and Low-Complexity Estimation. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 1141-1156.	7.3	30
11	CFAR Feature Plane: A Novel Framework for the Analysis and Design of Radar Detectors. IEEE Transactions on Signal Processing, 2020, 68, 3903-3916.	3.2	29
12	Downlink Single-Snapshot Localization and Mapping With a Single-Antenna Receiver. IEEE Transactions on Wireless Communications, 2021, 20, 4672-4684.	6.1	28
13	RIS-Aided Joint Localization and Synchronization with a Single-Antenna Mmwave Receiver. , 2021, , .		27
14	A Pseudo Maximum likelihood approach to position estimation in dynamic multipath environments. Signal Processing, 2021, 181, 107907.	2.1	24
15	A k-nearest neighbors approach to the design of radar detectors. Signal Processing, 2020, 174, 107609.	2.1	20
16	Drone-vs-Bird Detection Challenge at IEEE AVSS2021. , 2021, , .		19
17	Low-Complexity Accurate Mmwave Positioning for Single-Antenna Users Based on Angle-of-Departure and Adaptive Beamforming. , 2020, , .		16
18	A KNN-Based Radar Detector for Coherent Targets in Non-Gaussian Noise. IEEE Signal Processing Letters, 2021, 28, 778-782.	2.1	16

#	Article	IF	Citations
19	Spectrum sensing by higher-order SVM-based detection. , 2019, , .		11
20	Low-Complexity Downlink Channel Estimation in mmWave Multiple-Input Single-Output Systems. IEEE Wireless Communications Letters, 2022, 11, 518-522.	3.2	10
21	A novel approach to robust radar detection of range-spread targets. Signal Processing, 2020, 166, 107223.	2.1	8
22	Robust CFAR Radar Detection Using a K-nearest Neighbors Rule. , 2020, , .		7
23	Acoustic Dual-Function Communication and Echo-Location in Inaudible Band. Sensors, 2022, 22, 1284.	2.1	5
24	Cramér-Rao Bound Analysis of Radars for Extended Vehicular Targets With Known and Unknown Shape. IEEE Transactions on Signal Processing, 2022, 70, 3280-3295.	3.2	5
25	Online Estimation and Smoothing of a Target Trajectory in Mixed Stationary/moving Conditions. , 2019, , .		3
26	5G multi-BS Positioning with a Single-Antenna Receiver. , 2020, , .		3
27	An alternative procedure to cumulative sum for cyber-physical attack detection. Internet Technology Letters, 2018, 1, e2.	1.4	2
28	A change-detection approach to mobile node localization in bounded domains. , 2018, , .		2
29	Direct Position Estimation of a Mobile Receiver in Multipath Environments via Adaptive Beamforming. , 2021, , .		1
30	On time-frequency correlation in spectrogram samples with application to target detection. Signal Processing, 2022, 200, 108648.	2.1	1