

# Alessio Fascista

## List of Publications by Year in descending order

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30  
papers

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citations

567144

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h-index

713332

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all docs

30  
docs citations

30  
times ranked

744  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Complexity Downlink Channel Estimation in mmWave Multiple-Input Single-Output Systems. IEEE Wireless Communications Letters, 2022, 11, 518-522.	3.2	10
2	Acoustic Dual-Function Communication and Echo-Location in Inaudible Band. Sensors, 2022, 22, 1284.	2.1	5
3	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
4	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
5	Cram�r-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
6	On time-frequency correlation in spectrogram samples with application to target detection. Signal Processing, 2022, 200, 108648.	2.1	1
7	A KNN-Based Radar Detector for Coherent Targets in Non-Gaussian Noise. IEEE Signal Processing Letters, 2021, 28, 778-782.	2.1	16
8	Drone vs. Bird Detection: Deep Learning Algorithms and Results from a Grand Challenge. Sensors, 2021, 21, 2824.	2.1	56
9	A Pseudo Maximum likelihood approach to position estimation in dynamic multipath environments. Signal Processing, 2021, 181, 107907.	2.1	24
10	RIS-Aided Joint Localization and Synchronization with a Single-Antenna Mmwave Receiver. , 2021, , .		27
11	Downlink Single-Snapshot Localization and Mapping With a Single-Antenna Receiver. IEEE Transactions on Wireless Communications, 2021, 20, 4672-4684.	6.1	28
12	Direct Position Estimation of a Mobile Receiver in Multipath Environments via Adaptive Beamforming. , 2021, , .		1
13	Drone-vs-Bird Detection Challenge at IEEE AVSS2021. , 2021, , .		19
14	A novel approach to robust radar detection of range-spread targets. Signal Processing, 2020, 166, 107223.	2.1	8
15	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
16	Detection and Classification of Multirotor Drones in Radar Sensor Networks: A Review. Sensors, 2020, 20, 4172.	2.1	72
17	Robust CFAR Radar Detection Using a K-nearest Neighbors Rule. , 2020, , .		7
18	5G multi-BS Positioning with a Single-Antenna Receiver. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	Low-Complexity Accurate Mmwave Positioning for Single-Antenna Users Based on Angle-of-Departure and Adaptive Beamforming. , 2020, , .		16
20	A k-nearest neighbors approach to the design of radar detectors. Signal Processing, 2020, 174, 107609.	2.1	20
21	Online Estimation and Smoothing of a Target Trajectory in Mixed Stationary/moving Conditions. , 2019, , .		3
22	Millimeter-Wave Downlink Positioning With a Single-Antenna Receiver. IEEE Transactions on Wireless Communications, 2019, 18, 4479-4490.	6.1	55
23	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
24	A Review of Advanced Localization Techniques for Crowdsensing Wireless Sensor Networks. Sensors, 2019, 19, 988.	2.1	38
25	Spectrum sensing by higher-order SVM-based detection. , 2019, , .		11
26	An alternative procedure to cumulative sum for cyber-physical attack detection. Internet Technology Letters, 2018, 1, e2.	1.4	2
27	Angle of Arrival-Based Cooperative Positioning for Smart Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2880-2892.	4.7	79
28	On the Hybrid TOA/RSS Range Estimation in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2018, 17, 361-371.	6.1	91
29	A change-detection approach to mobile node localization in bounded domains. , 2018, , .		2
30	A Localization Algorithm Based on V2I Communications and AOA Estimation. IEEE Signal Processing Letters, 2017, 24, 126-130.	2.1	60