

# Alessio Balleri

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

431  
citations

933447

10  
h-index

940533

16  
g-index

36  
all docs

36  
docs citations

36  
times ranked

384  
citing authors

#	ARTICLE	IF	CITATIONS
1	Developments in target micro-Doppler signatures analysis: radar imaging, ultrasound and through-the-wall radar. <i>Eurasip Journal on Advances in Signal Processing</i> , 2013, 2013, .	1.7	75
2	Micro-Doppler-based in-home aided and unaided walking recognition with multiple radar and sonar systems. <i>IET Radar, Sonar and Navigation</i> , 2017, 11, 107-115.	1.8	69
3	Recognition of humans based on radar micro-Doppler shape spectrum features. <i>IET Radar, Sonar and Navigation</i> , 2015, 9, 1216-1223.	1.8	57
4	Biomimetic Echolocation With Application to Radar and Sonar Sensing. <i>Proceedings of the IEEE</i> , 2014, 102, 447-458.	21.8	27
5	Explainability of Deep SAR ATR Through Feature Analysis. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021, 57, 659-673.	4.7	26
6	Measurements and analysis of the radar signature of a new wind turbine design at X-band. <i>IET Radar, Sonar and Navigation</i> , 2013, 7, 170-177.	1.8	19
7	Ambiguity function and accuracy of the hyperbolic chirp: comparison with the linear chirp. <i>IET Radar, Sonar and Navigation</i> , 2017, 11, 142-153.	1.8	14
8	Practical investigation of multiband mono- and bistatic radar signatures of wind turbines. <i>IET Radar, Sonar and Navigation</i> , 2017, 11, 909-921.	1.8	12
9	Dependence of landmine radar signature on aspect angle. <i>IET Radar, Sonar and Navigation</i> , 2017, 11, 892-902.	1.8	10
10	Multibeam radar based on linear frequency modulated waveform diversity. <i>IET Radar, Sonar and Navigation</i> , 2018, 12, 1320-1329.	1.8	10
11	Flower classification by bats: Radar comparisons. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2009, 24, 4-7.	1.3	9
12	Frequency-agile non-coherent ultrasound radar for collection of micro-Doppler signatures. , 2011, , .		8
13	Biologically inspired waveform diversity. , 2012, , 149-172.		8
14	Examination of Drone Micro-Doppler and JEM/HERM Signatures. , 2020, , .		8
15	Extraction and analysis of micro-Doppler signatures by the Empirical Mode Decomposition. , 2015, , .		7
16	Joint Waveform and Guidance Control Optimization for Target Rendezvous. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 4357-4369.	5.3	7
17	Characterization of the Internal Structure of Landmines Using Ground-Penetrating Radar. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 266-270.	3.1	7
18	Experimental analysis of multistatic multiband radar signatures of wind turbines. <i>IET Radar, Sonar and Navigation</i> , 2016, 10, 1400-1410.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Coordination of optimal guidance law and adaptive radiated waveform for interception and rendezvous problems. IET Radar, Sonar and Navigation, 2017, 11, 1132-1139.	1.8	6
20	Bio-inspired processing of radar target echoes. IET Radar, Sonar and Navigation, 2018, 12, 1402-1409.	1.8	6
21	Optimal receiver placement in staring cooperative radar networks for detection of drones. , 2020, , .		6
22	Bat-inspired ultrasound tomography in air. , 2010, , .		5
23	SAR image dataset of military ground targets with multiple poses for ATR. , 2017, , .		5
24	Classification of flowers by bats: comparison with the radar case. , 2009, , .		4
25	Analysis of multiband monostatic and bistatic radar signatures of wind turbines. , 2015, , .		4
26	Baseband version of the bat-inspired spectrogram correlation and transformation receiver. , 2016, , .		4
27	Landmine internal structure detection from ground penetrating radar images. , 2018, , .		4
28	Impact of flight trajectory on the detection and selection of flowers by nectar-feeding bats. , 2010, , .		2
29	Bat-inspired multi-harmonic waveforms. , 2010, , .		2
30	Measurements and analysis of multistatic and multimodal micro-Doppler signatures for automatic target classification. , 2014, , .		2
31	DRAGON: Adaptive RF Seekers based on 3-D Conformal Antennas. , 2019, , .		2
32	Measurement and analysis of the radar signature of a new type of wind turbine. , 2011, , .		0
33	Simulations of Waveform Diversity for Doppler Beam Sharpening techniques. , 2014, , .		0
34	Sensing, Cognition, and Engineering Application [Further Thoughts]. Proceedings of the IEEE, 2014, 102, 459-459.	21.3	0
35	Two-dimensional coordination of guidance and adaptive radiated waveform for interception and rendezvous problems. , 2017, , .		0
36	Micro-Doppler Signature Extraction with Multibeam Radar. , 2019, , .		0