

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
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36
all docs

36
docs citations

36
times ranked

384
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of the Internal Structure of Landmines Using Ground-Penetrating Radar. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 266-270.	3.1	7
2	Explainability of Deep SAR ATR Through Feature Analysis. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 659-673.	4.7	26
3	Examination of Drone Micro-Doppler and JEM/HERM Signatures. , 2020, , .		8
4	Optimal receiver placement in staring cooperative radar networks for detection of drones. , 2020, , .		6
5	Joint Waveform and Guidance Control Optimization for Target Rendezvous. IEEE Transactions on Signal Processing, 2019, 67, 4357-4369.	5.3	7
6	DRAGON: Adaptive RF Seekers based on 3-D Conformal Antennas. , 2019, , .		2
7	Micro-Doppler Signature Extraction with Multibeam Radar. , 2019, , .		0
8	Multibeam radar based on linear frequency modulated waveform diversity. IET Radar, Sonar and Navigation, 2018, 12, 1320-1329.	1.8	10
9	Bio-inspired processing of radar target echoes. IET Radar, Sonar and Navigation, 2018, 12, 1402-1409.	1.8	6
10	Landmine internal structure detection from ground penetrating radar images. , 2018, , .		4
11	Micro-Doppler-based in-home aided and unaided walking recognition with multiple radar and sonar systems. IET Radar, Sonar and Navigation, 2017, 11, 107-115.	1.8	69
12	Two-dimensional coordination of guidance and adaptive radiated waveform for interception and rendezvous problems. , 2017, , .		0
13	Practical investigation of multiband mono- and bistatic radar signatures of wind turbines. IET Radar, Sonar and Navigation, 2017, 11, 909-921.	1.8	12
14	Ambiguity function and accuracy of the hyperbolic chirp: comparison with the linear chirp. IET Radar, Sonar and Navigation, 2017, 11, 142-153.	1.8	14
15	Dependence of landmine radar signature on aspect angle. IET Radar, Sonar and Navigation, 2017, 11, 892-902.	1.8	10
16	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
17	SAR image dataset of military ground targets with multiple poses for ATR. , 2017, , .		5
18	Experimental analysis of multistatic multiband radar signatures of wind turbines. IET Radar, Sonar and Navigation, 2016, 10, 1400-1410.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Baseband version of the bat-inspired spectrogram correlation and transformation receiver. , 2016, , .		4
20	Analysis of multiband monostatic and bistatic radar signatures of wind turbines. , 2015, , .		4
21	Extraction and analysis of micro-Doppler signatures by the Empirical Mode Decomposition. , 2015, , .		7
22	Recognition of humans based on radar micro-Doppler shape spectrum features. IET Radar, Sonar and Navigation, 2015, 9, 1216-1223.	1.8	57
23	Simulations of Waveform Diversity for Doppler Beam Sharpening techniques. , 2014, , .		0
24	Measurements and analysis of multistatic and multimodal micro-Doppler signatures for automatic target classification. , 2014, , .		2
25	Sensing, Cognition, and Engineering Application [Further Thoughts]. Proceedings of the IEEE, 2014, 102, 459-459.	21.3	0
26	Biomimetic Echolocation With Application to Radar and Sonar Sensing. Proceedings of the IEEE, 2014, 102, 447-458.	21.3	27
27	Developments in target micro-Doppler signatures analysis: radar imaging, ultrasound and through-the-wall radar. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	75
28	Measurements and analysis of the radar signature of a new wind turbine design at X band. IET Radar, Sonar and Navigation, 2013, 7, 170-177.	1.8	19
29	Biologically inspired waveform diversity. , 2012, , 149-172.		8
30	Frequency-agile non-coherent ultrasound radar for collection of micro-Doppler signatures. , 2011, , .		8
31	Measurement and analysis of the radar signature of a new type of wind turbine. , 2011, , .		0
32	Bat-inspired ultrasound tomography in air. , 2010, , .		5
33	Impact of flight trajectory on the detection and selection of flowers by nectar-feeding bats. , 2010, , .		2
34	Bat-inspired multi-harmonic waveforms. , 2010, , .		2
35	Flower classification by bats: Radar comparisons. IEEE Aerospace and Electronic Systems Magazine, 2009, 24, 4-7.	1.3	9
36	Classification of flowers by bats: comparison with the radar case. , 2009, , .		4