

Faruk Uysal

List of Publications by Year in descending order

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36
papers

439
citations

1163117

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1058476

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36
docs citations

36
times ranked

320
citing authors

#	ARTICLE	IF	CITATIONS
1	Motion Estimation and Improved SAR Imaging for Agile Platforms Using Omnidirectional Radar and INS Sensor Fusion. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 153-171.	4.7	1
2	Unambiguous Recovery of Multistatic SAR Data for Nonzero Cross Track Baseline Case. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	6
3	Automotive radar interference study for different radar waveform types. IET Radar, Sonar and Navigation, 2022, 16, 564-577.	1.8	7
4	2D Matched Filtering with Time-Stretching; Application to Orthogonal Matching Pursuit (OMP). , 2022, , .		3
5	Classification of human activity using radar and video multimodal learning. IET Radar, Sonar and Navigation, 2021, 15, 902-914.	1.8	5
6	Radar-Aided Navigation System for Small Drones in GPS-Denied Environments. , 2021, , .		9
7	Doppler Influence on Waveform Orthogonality in 79 GHz MIMO Phase-Coded Automotive Radar. IEEE Transactions on Vehicular Technology, 2020, 69, 16-25.	6.3	44
8	Phase-Coded FMCW Automotive Radar: System Design and Interference Mitigation. IEEE Transactions on Vehicular Technology, 2020, 69, 270-281.	6.3	87
9	System Level Synchronization of Phase-Coded FMCW Automotive Radars for RadCom. , 2020, , .		7
10	A Low SWaP-C Radar Altimeter Transceiver Design for Small Satellites. , 2020, , .		1
11	Phase-Coded FMCW Automotive Radar: Application and Challenges. , 2020, , .		7
12	Localization and 3D Mapping using 1D Automotive Radar Sensor. , 2020, , .		2
13	IED Command Wire Detection using Multi-Aspect Processing on SAR Images. , 2020, , .		3
14	Reconfigurable Range-Doppler Processing and Range Resolution Improvement for FMCW Radar. IEEE Sensors Journal, 2019, 19, 9294-9303.	4.7	17
15	Uncorrelated Interference in 79 GHz FMCW and PMCW Automotive Radar. , 2019, , .		10
16	Accurate Target Localization for Automotive Radar. , 2019, , .		2
17	Wind Turbine Clutter Mitigation via Nonconvex Regularizers and Multidimensional Processing. Journal of Atmospheric and Oceanic Technology, 2019, 36, 1093-1104.	1.3	0
18	Synchronous and Asynchronous Radar Interference Mitigation. IEEE Access, 2019, 7, 5846-5852.	4.2	33

#	ARTICLE	IF	CITATIONS
19	Radar and Video Multimodal Learning for Human Activity Classification. , 2019, , .		0
20	PRF Sampling Strategies for Swarmsar Systems. , 2019, , .		4
21	MIMO“monopulse target localisation for automotive radar. IET Radar, Sonar and Navigation, 2018, 12, 1131-1136.	1.8	13
22	Target Localization Using MIMO-Monopulse: Application on 79 GHz FMCW Automotive Radar. , 2018, , .		6
23	Mitigation of automotive radar interference. , 2018, , .		65
24	Digital radar implementation with amplitude predistortion. , 2017, , .		8
25	Comparison of range migration correction algorithms for range-Doppler processing. Journal of Applied Remote Sensing, 2017, 11, 1.	1.3	9
26	Low sidelobe pseudo-orthogonal code sets through particle swarm optimization. , 2016, , .		4
27	Application of waveform weighting for a frequency- invariant transmit beampattern. IEEE Aerospace and Electronic Systems Magazine, 2016, 31, 4-12.	1.3	3
28	The effect of moving target on range-doppler map and backprojection algorithm for focusing. , 2016, , .		14
29	Mitigation of Wind Turbine Clutter for Weather Radar by Signal Separation. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2925-2934.	6.3	30
30	Waveform design for wideband beampattern and beamforming. , 2015, , .		5
31	Blind phase calibration for along-track interferometry: application to Gotcha data set. Proceedings of SPIE, 2014, , .	0.8	1
32	Dynamic clutter mitigation using sparse optimization. IEEE Aerospace and Electronic Systems Magazine, 2014, 29, 37-49.	1.3	12
33	Signal decomposition for wind turbine clutter mitigation. , 2014, , .		13
34	Target geolocation in Gotcha data using cross-channel interferometry. , 2014, , .		3
35	Joint Along Track Interferometry and Space-Time Adaptive Processing for target detection and geolocation. , 2013, , .		5
36	Modified space-time adaptive processing for dismount detection using synthetic aperture radar. , 2012, , .		0