Faruk Uysal

List of Publications by Year
in descending order

36	439	1163117 8	1058476 14
papers	citations	h-index	g-index

36	36	36	320
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phase-Coded FMCW Automotive Radar: System Design and Interference Mitigation. IEEE Transactions on Vehicular Technology, 2020, 69, 270-281.	6.3	87
2	Mitigation of automotive radar interference. , 2018, , .		65
3	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
4	Synchronous and Asynchronous Radar Interference Mitigation. IEEE Access, 2019, 7, 5846-5852.	4.2	33
5	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
6	Reconfigurable Range-Doppler Processing and Range Resolution Improvement for FMCW Radar. IEEE Sensors Journal, 2019, 19, 9294-9303.	4.7	17
7	The effect of moving target on range-doppler map and backprojection algorithm for focusing. , 2016, , .		14
8	Signal decomposition for wind turbine clutter mitigation. , 2014, , .		13
9	MIMOâ€“monopulse target localisation for automotive radar. IET Radar, Sonar and Navigation, 2018, 12, 1131-1136.	1.8	13
10	Dynamic clutter mitigation using sparse optimization. IEEE Aerospace and Electronic Systems Magazine, 2014, 29, 37-49.	1.3	12
11	Uncorrelated Interference in 79 GHz FMCW and PMCW Automotive Radar. , 2019, , .		10
12	Radar-Aided Navigation System for Small Drones in GPS-Denied Environments. , 2021, , .		9
13	Comparison of range migration correction algorithms for range-Doppler processing. Journal of Applied Remote Sensing, 2017, 11, 1.	1.3	9
14	Digital radar implementation with amplitude predistortion. , 2017, , .		8
15	System Level Synchronization of Phase-Coded FMCW Automotive Radars for RadCom. , 2020, , .		7
16	Phase-Coded FMCW Automotive Radar: Application and Challenges. , 2020, , .		7
17	Automotive radar interference study for different radar waveform types. IET Radar, Sonar and Navigation, 2022, 16, 564-577.	1.8	7
18	Target Localization Using MIMO-Monopulse: Application on 79 GHz FMCW Automotive Radar. , 2018, , .		6

#	Article	IF	Citations
19	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
20	Joint Along Track Interferometry and Space-Time Adaptive Processing for target detection and geolocation. , 2013, , .		5
21	Waveform design for wideband beampattern and beamforming. , 2015, , .		5
22	Classification of human activity using radar and video multimodal learning. IET Radar, Sonar and Navigation, 2021, 15, 902-914.	1.8	5
23	Low sidelobe pseudo-orthogonal code sets through particle swarm optimization. , 2016, , .		4
24	PRF Sampling Strategies for Swarmsar Systems. , 2019, , .		4
25	Target geolocation in Gotcha data using cross-channel interferometry. , 2014, , .		3
26	Application of waveform weighting for a frequency- invariant transmit beampattern. IEEE Aerospace and Electronic Systems Magazine, 2016, 31, 4-12.	1.3	3
27	IED Command Wire Detection using Multi-Aspect Processing on SAR Images. , 2020, , .		3
28	2D Matched Filtering with Time-Stretching; Application to Orthogonal Matching Pursuit (OMP). , 2022, , .		3
29	Accurate Target Localization for Automotive Radar. , 2019, , .		2
30	Localization and 3D Mapping using 1D Automotive Radar Sensor. , 2020, , .		2
31	Blind phase calibration for along-track interferometry: application to Gotcha data set. Proceedings of SPIE, 2014, , .	0.8	1
32	A Low SWaP-C Radar Altimeter Transceiver Design for Small Satellites. , 2020, , .		1
33	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
34	Modified space-time adaptive processing for dismount detection using synthetic aperture radar. , 2012, , .		0
35	Wind Turbine Clutter Mitigation via Nonconvex Regularizers and Multidimensional Processing. Journal of Atmospheric and Oceanic Technology, 2019, 36, 1093-1104.	1.3	0
36	Radar and Video Multimodal Learning for Human Activity Classification. , 2019, , .		0