Shiyang Tang

List of Publications by Year
in descending order

33 papers	449 citations	623734 14 h-index	713466 21 g-index
33 all docs	33 docs citations	33 times ranked	283 citing authors

#	Article	IF	Citations
1	An Omega-K Algorithm for Highly Squinted Missile-Borne SAR With Constant Acceleration. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1569-1573.	3.1	52
2	Acceleration Model Analyses and Imaging Algorithm for Highly Squinted Airborne Spotlight-Mode SAR with Maneuvers. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 1120-1131.	4.9	49
3	Discrimination between radar targets and deception jamming in distributed multiple‐radar architectures. IET Radar, Sonar and Navigation, 2017, 11, 1124-1131.	1.8	32
4	Ground Moving Target Imaging and Analysis for Near-Space Hypersonic Vehicle-Borne Synthetic Aperture Radar System with Squint Angle. Remote Sensing, 2018, 10, 1966.	4.0	30
5	Processing of Monostatic SAR Data With General Configurations. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6529-6546.	6.3	29
6	An Interference Suppression Method for Multistatic Radar Based on Noise Subspace Projection. IEEE Sensors Journal, 2020, 20, 8797-8805.	4.7	24
7	Focusing Hypersonic Vehicle-Borne SAR Data Using Radius/Angle Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 281-293.	6.3	22
8	Focusing highly squinted data with motion errors based on modified non‐linear chirp scaling. IET Radar, Sonar and Navigation, 2013, 7, 568-578.	1.8	19
9	Processing of Long Integration Time Spaceborne SAR Data With Curved Orbit. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 888-904.	6.3	19
10	Signal Modeling and Analysis for Elevation Frequency Scanning HRWS SAR. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6434-6450.	6.3	18
11	Transmit beampattern synthesis for MIMO radar using extended circulating code. IET Radar, Sonar and Navigation, 2018, 12, 610-616.	1.8	16
12	Ground-Based Radar Detection for High-Speed Maneuvering Target via Fast Discrete Chirp-Fourier Transform. IEEE Access, 2019, 7, 12097-12113.	4.2	16
13	Focusing High-Resolution Airborne SAR with Topography Variations Using an Extended BPA Based on a Time/Frequency Rotation Principle. Remote Sensing, 2018, 10, 1275.	4.0	15
14	Focusing High-Resolution Highly-Squinted Airborne SAR Data with Maneuvers. Remote Sensing, 2018, 10, 862.	4.0	15
15	Modeling and Precise Processing for Spaceborne Transmitter/Missile-Borne Receiver SAR Signals. Remote Sensing, 2019, 11, 346.	4.0	12
16	Transmit diversity technique based on joint slow‐time coding with circulating code. IET Radar, Sonar and Navigation, 2017, 11, 1243-1250.	1.8	11
17	CFAR Strategy Formulation and Evaluation Based on Fox's H-function in Positive Alpha-Stable Sea Clutter. Remote Sensing, 2020, 12, 1273.	4.0	9
18	2-D Spatially Variant Motion Error Compensation for High-Resolution Airborne SAR Based on Range-Doppler Expansion Approach. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	8

#	Article	IF	Citations
19	Improved focusing approach for highly squinted beam steering SAR. IET Radar, Sonar and Navigation, 2016, 10, 1394-1399.	1.8	7
20	Generalized PFA for Air-Missile Borne Bistatic Forward-Looking Beam-Steering SAR With Accelerations. IEEE Access, 2018, 6, 74616-74627.	4.2	7
21	Non‐adaptive space‐time clutter canceller for multi‐channel synthetic aperture radar. IET Signal Processing, 2019, 13, 472-479.	1.5	7
22	An Improved Spatially Variant MOCO Approach Based on an MDA for High-Resolution UAV SAR Imaging with Large Measurement Errors. Remote Sensing, 2022, 14, 2670.	4.0	5
23	Range-angle dependent detection for FDA-MIMO radar. , 2016, , .		4
24	A Novel Iterative Inner-Pulse Integration Target Detection Method for Bistatic Radar. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	4
25	Curvilinear Flight Synthetic Aperture Radar (CF-SAR): Principles, Methods, Applications, Challenges and Trends. Remote Sensing, 2022, 14, 2983.	4.0	4
26	Resolution calculation and analysis in high‐resolution spaceborne SAR. Electronics Letters, 2015, 51, 1199-1201.	1.0	3
27	Space-Missile Borne Bistatic SAR Geometry and Imaging Properties Analysis. , 2019, , .		3
28	Diverse-Region Hyperspectral Image Classification via Superpixelwise Graph Convolution Technique. Remote Sensing, 2022, 14, 2907.	4.0	3
29	A novel approach for highly squinted beam steering SAR data focusing. , 2016, , .		2
30	Accurate range model based on equivalent midpoint for geosynchronous SAR. , 2016, , .		2
31	Low-observable maneuvering target detection based on Radon-advanced discrete chirp Fourier transform. , 2017, , .		2
32	Improved focused algorithm for highly squinted spotlight SAR with acceleration. , 2015, , .		0
33	Angle Dependent Match Filter Design for Circulating Code. , 2018, , .		0