Wei Yang

List of Publications by Year
in descending order

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80	395	840119 11	887659 17
papers	citations	h-index	g-index

80	80	80	388
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ship Classification and Detection Based on CNN Using GF-3 SAR Images. Remote Sensing, 2018, 10, 2043.	1.8	70
2	A Novel 3D Pedestrian Navigation Method for a Multiple Sensors-Based Foot-Mounted Inertial System. Sensors, 2017, 17, 2695.	2.1	25
3	An Improved Lightweight RetinaNet for Ship Detection in SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4667-4679.	2.3	21
4	A Novel General Imaging Formation Algorithm for GNSS-Based Bistatic SAR. Sensors, 2016, 16, 294.	2.1	20
5	Accurate Reconstruction and Suppression for Azimuth Ambiguities in Spaceborne Stripmap SAR Images. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 102-106.	1.4	19
6	2-D Coherent Integration Processing and Detecting of Aircrafts Using GNSS-Based Passive Radar. Remote Sensing, 2018, 10, 1164.	1.8	19
7	Moving Target Azimuth Velocity Estimation for the MASA Mode Based on Sequential SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2780-2790.	2.3	16
8	KALMAN FILTER FOR REMOVAL OF SCALLOPING AND INTER-SCAN BANDING IN SCANSAR IMAGES. Progress in Electromagnetics Research, 2012, 132, 443-461.	1.6	15
9	Image formation method for spaceborne video SAR. , 2015, , .		14
10	Modified Omega-k Algorithm for High-Speed Platform Highly-Squint Staggered SAR Based on Azimuth Non-Uniform Interpolation. Sensors, 2015, 15, 3750-3765.	2.1	12
11	Azimuth Sidelobes Suppression Using Multi-Azimuth Angle Synthetic Aperture Radar Images. Sensors, 2019, 19, 2764.	2.1	11
12	A Refined Pyramid Scene Parsing Network for Polarimetric SAR Image Semantic Segmentation in Agricultural Areas. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	11
13	An Improved Airborne Multichannel SAR Imaging Method With Motion Compensation and Range-Variant Channel Mismatch Correction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5414-5423.	2.3	8
14	Moving Target Detection in Multi-Static GNSS-Based Passive Radar Based on Multi-Bernoulli Filter. Remote Sensing, 2020, 12, 3495.	1.8	8
15	A Wide-Swath Spaceborne TOPS SAR Image Formation Algorithm Based on Chirp Scaling and Chirp-Z Transform. Sensors, 2016, 16, 2095.	2.1	7
16	A light-weight SAR system for multi-rotor UAV platform using LFM quasi-CW waveform. , 2016, , .		7
17	Extended three-step focusing algorithm for sliding spotlight and tops data image formation. , 2011, , .		6
18	Higher order nonlinear chirp scaling algorithm for medium Earth orbit synthetic aperture radar. Journal of Applied Remote Sensing, 2015, 9, 096084.	0.6	6

#	Article	IF	Citations
19	Parameter Estimation and Error Calibration for Multi-Channel Beam-Steering SAR Systems. Remote Sensing, 2019, 11, 1415.	1.8	6
20	UAV Target Detection Algorithm Using GNSS-Based Bistatic Radar. , 2019, , .		6
21	Scalloping Suppression for ScanSAR Images Based on Modified Kalman Filter With Preprocessing. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7535-7546.	2.7	6
22	A Modified PGA for Spaceborne SAR Scintillation Compensation Based on the Weighted Maximum Likelihood Estimator and Data Division. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3938-3947.	2.3	6
23	A novel three-step focusing algorithm for TOPSAR image formation. , 2010, , .		5
24	On-Ground Retracking to Correct Distorted Waveform in Spaceborne Global Navigation Satellite System-Reflectometry. Remote Sensing, 2017, 9, 643.	1.8	5
25	Phase Inconsistency Error Compensation for Multichannel Spaceborne SAR Based on the Rotation-Invariant Property. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 301-305.	1.4	5
26	SAR4LCZ-Net: A Complex-Valued Convolutional Neural Network for Local Climate Zones Classification Using Gaofen-3 Quad-Pol SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	4
27	A novel spaceborne SAR imaging mode for moving target velocity estimation. , 2016, , .		3
28	A Spaceborne SAR Calibration Simulator Based on Gaofen-3 Data. , 2019, , .		3
29	A refined chirp scaling algorithm for high-resolution spaceborne SAR based on the fourth-order model. , 2013, , .		2
30	Accurate compensation of stop-go approximation for high resolution spaceborne SAR using modified hyperbolic range equation. , 2014, , .		2
31	Image formation algorithm for highly-squint strip-map SAR onboard high-speed platform using continuous PRF variation. , 2014, , .		2
32	High accuracy SAR echo generation approach using space-time-variant backscattering characteristics. , 2014, , .		2
33	Suppression of azimuth ambiguities in spaceborne stripmap SAR using accurate restoration modeling. , 2015, , .		2
34	Fully three-dimensional UAV SAR imaging with multi-azimuth-angle observation. , 2017, , .		2
35	LSS-RM: Using Multi-Mounted Devices to Construct a Lightweight Site-Survey Radio Map for WiFi Positioning. Micromachines, 2018, 9, 458.	1.4	2
36	Monte Carlo Analysis of Orbital Station Motion Parameter Errors Influence on Sar Azimuth Resolution Degradation. , 2018, , .		2

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37	A Level Set Based Method for Land Masking in Ship Detection Using SAR Images. , 2019, , .		2
38	Doppler Parameter Estimation Model Using Onboard Orbit Determination and Inter-satellite Distance Measurement for Spaceborne Bistatic SAR Real-time Imaging. , 2019, , .		2
39	Improved SSDâ€based transmission tower detection in SAR images. Journal of Engineering, 2019, 2019, 7161-7164.	0.6	2
40	Moving Vehicle Detection Based on RPCA Using Multisquint Spaceborne SAR Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	2
41	A Moving Target Velocity Estimation Method Based on the MC-MASA SAR Mode. Remote Sensing, 2021, 13, 1632.	1.8	2
42	An Antenna Beam Steering Strategy for SAR Echo Simulation in Highly Elliptical Orbit. , 2020, , .		2
43	Inshore Ship Detection in SAR Images Via an Improved SSD Model with Wavelet Decomposition. , 2021, , .		2
44	Effect of squint imaging on beam position design of space borne SAR. , 2010, , .		1
45	Investigation on moving target detection and velocity estimation with Triple-Channel MIMO-SAR. , 2010, , .		1
46	Detection and identification of explosives and illicit drugs by terahertz spectroscopy technology. , 2010, , .		1
47	Analysis of channel capacity for MIMO SAR model. , 2012, , .		1
48	A refined Omega-K algorithm for focusing highly squint airborne stripmap SAR data. , 2013, , .		1
49	Attitude steering strategy for agile small SAR satellite with sliding spotlight mode. , 2013, , .		1
50	Precise estimation of flight path for airborne SAR motion compensation. , 2014, , .		1
51	One height error compensation method in high resolution spaceborne SAR through self-focusing. , 2014, , .		1
52	Personalized E-Advertisement and Experience: Recommending User Targeted Ads. , 2015, , .		1
53	A refined two-step algorithm for high resolution spaceborne SAR with squinted sliding spotlight mode. , 2015, , .		1
54	The impact of block adaptive quantization algorithm on power-loss with SAR raw data. , 2015, , .		1

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55	An improved two-step motion compensation method based on raw data. , 2015, , .		1
56	Spaceborne SAR attitude steering method for smart imaging mode. Electronics Letters, 2017, 53, 428-430.	0.5	1
57	A Graph-Based Topological Maps Generation Method for Indoor Localization. , 2018, , .		1
58	Impacts of Azimuth Antenna Steering Angle Quantization on Tops and Sliding Spotlight Sar Image. , 2018, , .		1
59	Moving Target Velocity Estimation Using Multi-Azimuth Angle Mode. , 2019, , .		1
60	An Airborne Multi-Channel Sar Imaging Method with Motion Compensation. , 2019, , .		1
61	A Modified Kalman-Filter Method for Scalloping Suppression with Gaofen-3 SAR Images. , 2019, , .		1
62	Sea-Land Coarse Segmentation with Two and Three-Term LRS Decompositions in Multisquint Spaceborne Sar Imagery. , 2021, , .		1
63	Scene Adaptive Phase Inconsistency Estimation for Multi-channel ScanSAR System. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	1
64	A Weak Moving Point Target Detection Method Based on High Frame Rate SAR Image Sequences and Machine Learning. , 2020, , .		1
65	Modeling and Simulation of Single-Look Complex Images for Distributed Satelliteborne Interferometric Synthetic Aperture Radar. , 2009, , .		0
66	A refined three-step focusing algorithm based on spatial variation characteristic of spaceborne sliding spotlight SAR. , 2013, , .		0
67	A novel SAR scheme using CC-S based phase coding waveform for ultra-low range PSLR performance. , 2013, , .		0
68	Modified reconstruction method of squinted multi-channel SAR sigal. , 2014, , .		0
69	Mutual information upper bond of compressed data using block adaptive quantization algorithm. , 2015, , .		0
70	A pricise phase-preserving image formation algorithm for topsar data processing. , 2015, , .		0
71	A modified back-projection algorithm for imaging Geo-referenced SAR data. , 2015, , .		0
72	Accurate estimation of stitching error for highâ€resolution multiâ€subâ€bands SAR system with image sharpness analysis. Electronics Letters, 2016, 52, 1948-1950.	0.5	0

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73	A modified imaging formation algorithm for bistatic SAR based on GPS-L5 signal. , 2017, , .		0
74	Extended Map-Drift Algorithm for Spaceborne Sliding Spotlight SAR Data. , 2018, , .		0
75	Imaging and Detection of Moving Targetsbased on Spaceborne Video SAR Mode. , 2018, , .		0
76	A phase-preserving imaging algorithm for azimuth multi-channel spaceborne SAR data processing. , 2019, , .		0
77	Phase-Based GLRT Detection of Moving Targets with Pixel Tracking in Low-Resolution SAR Image Sequences. Remote Sensing, 2021, 13, 3855.	1.8	0
78	An Imaging Compensation Scheme for Correcting Ionospheric Effect on High-Resolution Spaceborne P-Band SAR. , 2020, , .		0
79	Design of a Heterogeneous Simulation Platform for Spaceborne SAR Echo Signal Based on FPGA. , 2021, , .		0
80	Sea-land Segmentation in Polarimetric SAR Images. , 2021, , .		0