

# Robert Wang

## List of Publications by Year in descending order

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283  
papers

3,791  
citations

136950

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283  
docs citations

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times ranked

2149  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Approach to Further Enhancing SNR in Digital Beamforming SAR Utilizing Hybrid Strip-Map/Spotlight Mode. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	0
2	A Novel Weight Generator in Real-Time Processing Architecture of DBF-SAR. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	14
3	Automatic Landslide Inventory Mapping Approach Based on Change Detection Technique With Very-High-Resolution Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
4	Ambiguity Suppression of Cross-Pol Signals by DPCA With DBF Reflector for Hybrid/±¼ Quad-Pol SAR. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	2
5	A Novel Channel Errors Calibration Algorithm for Multichannel High-Resolution and Wide-Swath SAR Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	10
6	New Insights Into SAR Alternate Transmitting Mode Based on Waveform Diversity. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9.	6.3	11
7	A Unified Framework for Comparing the Classification Performance Between Quad-, Compact-, and Dual-Polarimetric SARs. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	5
8	A Novel Vortex Synthetic Aperture Radar Imaging System: Decreasing the Pulse Repetition Frequency Without Increasing the Antenna Aperture. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	5
9	On the Processing of Gaofen-3 Spaceborne Dual-Channel Sliding Spotlight SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	5
10	A Novel Range-Azimuth Joint Modulation Scheme for Range Ambiguity Suppression. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	8
11	First Demonstration of Hybrid Quad-Pol SAR Based on P-Band Airborne Experiment. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	2
12	An Innovative Push-To-Talk (PTT) Synchronization Scheme for Distributed SAR. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	5
13	Quasi-Orthogonal Waveforms for Ambiguity Suppression in Spaceborne Quad-Pol SAR. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	21
14	Linear Bayesian Approaches for Low-Oversampled Stepwise Staggered SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-23.	6.3	3
15	A Novel Technique for Inversion of Rotation Angles in Built-Up Areas. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
16	Pattern Synthesis Algorithm for Range Ambiguity Suppression in the LT-1 Mission via Sequential Convex Optimizations. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	8
17	Deep Learning for the Detection and Phase Unwrapping of Mining-Induced Deformation in Large-Scale Interferograms. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	19
18	Deep-Learning-Based Phase Discontinuity Prediction for 2-D Phase Unwrapping of SAR Interferograms. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	15

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19	Estimating and Removing Ionospheric Effects for L-Band Spaceborne Bistatic SAR. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	3
20	On the Processing of Dual-Channel Receiving Signals of the LuTan-1 SAR System. Remote Sensing, 2022, 14, 515.	4.0	6
21	Analysis of Varying-PRI Spotlight SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-20.	6.3	0
22	RFI Suppression for SAR via a Dictionary-Based Nonconvex Low-Rank Minimization Framework and Its Adaptive Implementation. Remote Sensing, 2022, 14, 678.	4.0	7
23	Hybrid Compact Polarimetric SAR Calibration Considering the Amplitude and Phase Coefficients Inconsistency. Remote Sensing, 2022, 14, 416.	4.0	1
24	An Image-Domain Least $L_1$ -Norm Method for Channel Error Effect Analysis and Calibration of Azimuth Multi-Channel SAR. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	7
25	First Demonstration of Echo Separation for Orthogonal Waveform Encoding MIMO-SAR Based on Airborne Experiments. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	12
26	InSAR Study of Landslides: Early Detection, Three-Dimensional, and Long-Term Surface Displacement Estimation—A Case of Xiaojiang River Basin, China. Remote Sensing, 2022, 14, 1759.	4.0	11
27	A Novel Weighted Amplitude Modulation (WAM) System for Ambiguity Suppression of Spaceborne Hybrid Quad-Pol SAR. Remote Sensing, 2022, 14, 155.	4.0	1
28	An Innovative Synthetic Aperture Radar Design Method for Lunar Water Ice Exploration. Remote Sensing, 2022, 14, 2148.	4.0	1
29	The Real-Time Framework of the Push-to-Talk (PTT) Synchronization Scheme for Distributed SAR. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
30	An Advanced Scheme for Range Ambiguity Suppression of Spaceborne SAR Based on Blind Source Separation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	6
31	On Spaceborne DBF-SAR Adopting the Degree of Freedom With NLFM Waveform: Optimization Framework and Simulation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	3
32	A Novel Topography Retrieval Algorithm Based on Single-Pass Polarimetric SAR Data and Terrain Dependent Error Analysis. Remote Sensing, 2022, 14, 3176.	4.0	0
33	A Novel Spaceborne MIMO-SAR Imaging Scheme Based on Improved OFDM Waveforms. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 2122-2126.	3.1	10
34	An Improved Two-Step Multitemporal SAR Interferometry Method for Precursory Slope Deformation Detection Over Nanyu Landslide. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 592-596.	3.1	5
35	Echo Separation for Space-Time Waveform-Encoding SAR With Digital Scalloped Beamforming and Adaptive Multiple Null-Steering. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 92-96.	3.1	12
36	A Novel Azimuth Ambiguity Suppression Method for Spaceborne Dual-Channel SAR-GMTI. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 87-91.	3.1	8

#	ARTICLE	IF	CITATIONS
37	An Innovative Multiswath Jump Imaging Mode for Spaceborne SAR. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1219-1223.	3.1	5
38	Implementation of a MIMO-SAR Imaging Mode Based on OFDM Chirp Waveforms. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1249-1253.	3.1	8
39	High-Resolution and Wide-Swath SAR Imaging Mode Using Frequency Diverse Planar Array. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 321-325.	3.1	31
40	Quadratically Constrained Ambiguity Suppression Algorithm for APC/Multichannel SAR Systems With Nonuniform Spatial Sampling. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1319-1330.	6.3	4
41	High-Fidelity SAR Intermittent Sampling Deceptive Jamming Suppression Using Azimuth Phase Coding. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 489-493.	3.1	15
42	The Processing Framework and Experimental Verification for the Noninterrupted Synchronization Scheme of LuTan-1. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5740-5750.	6.3	17
43	Segmented Phase Code Waveforms: A Novel Radar Waveform for Spaceborne MIMO-SAR. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5764-5779.	6.3	23
44	Digital Beamforming Synthetic Aperture Radar (DBSAR): Experiments and Performance Analysis in Support of 16-Channel Airborne X-Band SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6784-6798.	6.3	19
45	A Novel Motion Compensation Scheme for 2-D Multichannel SAR Systems With Quaternion Posture Calculation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9350-9360.	6.3	4
46	Characteristics of Saline Soil in Extremely Arid Regions: A Case Study Using GF-3 and ALOS-2 Quad-Pol SAR Data in Qinghai, China. Remote Sensing, 2021, 13, 417.	4.0	9
47	Focus Improvement of Airborne High-Squint Bistatic SAR Data Using Modified Azimuth NLCS Algorithm Based on Lagrange Inversion Theorem. Remote Sensing, 2021, 13, 1916.	4.0	8
48	Ambiguity Suppression Based on Joint Optimization for Multichannel Hybrid and $\hat{\Delta} \pm \hat{\epsilon}/4$ Quad-Pol SAR Systems. Remote Sensing, 2021, 13, 1907.	4.0	2
49	Additional Reference Height Error Analysis for Baseline Calibration Based on a Distributed Target DEM in TwinSAR-L. Remote Sensing, 2021, 13, 2750.	4.0	6
50	Atmospheric Correction to Passive Microwave Brightness Temperature in Snow Cover Mapping Over China. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6482-6495.	6.3	6
51	General Two-Stage Model-Based Three-Component Hybrid Compact Polarimetric SAR Decomposition Method. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4647-4660.	4.9	7
52	An Innovative Superpolyhedron (SP) Formation for Multistatic SAR (M-SAR) Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10136-10150.	6.3	8
53	Rethinking the Random Cropping Data Augmentation Method Used in the Training of CNN-Based SAR Image Ship Detector. Remote Sensing, 2021, 13, 34.	4.0	17
54	An Innovative Push-To-Talk (PTT) Synchronization Scheme for Future Distributed SAR. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
55	Impacts of Ionospheric Effects on Spaceborne Single-Pass SAR Imaging and Interferometry of LuTan-1. , 2021, , .		1
56	Evaluation of Deceptive Jamming Effect on SAR Based on Visual Consistency. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 12246-12262.	4.9	5
57	Focusing the L-Band Spaceborne Bistatic SAR Mission Data Using a Modified RD Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 294-306.	6.3	28
58	A Novel NLFM Waveform With Low Sidelobes Based on Modified Chebyshev Window. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 814-818.	3.1	18
59	On the SAR Imaging Performance Analysis of Alternate Transmitting Mode Based on Waveform Diversity: Theory and Simulation. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1553-1557.	3.1	6
60	First Demonstration of Multipath Effects on Phase Synchronization Scheme for LT-1. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2590-2604.	6.3	18
61	An Advanced Phase Synchronization Scheme for LT-1. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1735-1746.	6.3	47
62	On the Frequency Dispersion in DBF SAR and Digital Scalloped Beamforming. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3619-3632.	6.3	22
63	Processing of Very High Resolution GF-3 SAR Spotlight Data With Non-Start“Stop Model and Correction of Curved Orbit. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 2112-2122.	4.9	11
64	Very High Resolution SAR Imaging With DGPS-Supported Airborne X-Band Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3605-3617.	4.9	7
65	Improved offset tracking for predisaster deformation monitoring of the 2018 Jinsha River landslide (Tibet, China). Remote Sensing of Environment, 2020, 247, 111899.	11.0	22
66	Polarimetric SAR Interferometry: A Tutorial for Analyzing System Parameters. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 83-107.	9.6	11
67	The Synchronization Transceiver Design and Experimental Verification for the LuTan-1 SAR Satellite. Sensors, 2020, 20, 1463.	3.8	4
68	Implementation of a Phase Synchronization Scheme Based on Pulsed Signal at Carrier Frequency for Bistatic SAR. Sensors, 2020, 20, 3188.	3.8	3
69	Signal Reconstruction Algorithm for Azimuth Multichannel SAR System Based on a Multiobjective Optimization Model. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3881-3893.	6.3	12
70	A High-Accuracy Synchronization Phase-Compensation Method Based on Kalman Filter for Bistatic Synthetic Aperture Radar. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1722-1726.	3.1	20
71	Optimization of Weighting Window Functions for SAR Imaging via QCQP Approach. Sensors, 2020, 20, 419.	3.8	7
72	Azimuth Ambiguity Suppression for Hybrid Polarimetric Synthetic Aperture Radar via Waveform Diversity. Remote Sensing, 2020, 12, 1226.	4.0	4

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73	The Processing Of Synchronization In Bistatic Synthetic Aperture Radar. , 2020, , .		1
74	A Quad-Pol SAR Imaging Mode with Sound Azimuth Ambiguity. , 2020, , .		1
75	Challenges and Opportunities for Staggered SAR with Low Oversampling Factors. , 2020, , .		1
76	Demonstration of Time-Series InSAR Processing in Beijing Using a Small Stack of Gaofen-3 Differential Interferograms. Journal of Sensors, 2019, 2019, 1-13.	1.1	17
77	A Novel Approach to Doppler Centroid and Channel Errors Estimation in Azimuth Multi-Channel SAR. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8430-8444.	6.3	18
78	An Advanced Nonlinear Frequency Modulation Waveform for Radar Imaging With Low Sidelobe. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6155-6168.	6.3	59
79	Nonlinear Frequency Modulation Signal Generator in LT-1. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1570-1574.	3.1	35
80	A Channel Calibration Method Based on Weighted Backprojection Algorithm for Multichannel SAR Imaging. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1254-1258.	3.1	12
81	Ultra-wide band bowtie slot waveguide antenna array for SAR application. IET Microwaves, Antennas and Propagation, 2019, 13, 391-397.	1.4	2
82	Chirp Signal Transmission and Reception With Orbital Angular Momentum Multiplexing. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 986-990.	4.0	6
83	Mitigating Range Ambiguities With Advanced Nonlinear Frequency Modulation Waveform. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1230-1234.	3.1	30
84	A Small-Baseline InSAR Inversion Algorithm Combining a Smoothing Constraint and $L_1$ -Norm Minimization. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1061-1065.	3.1	7
85	Channel Imbalance Compensation with IF Signal for China's IDBSAR. , 2019, , .		0
86	Analysis of Steering Approach for High Resolution Spaceborne Synthetic Aperture Radar with Large Scanning Angle. , 2019, , .		0
87	Intermittent Sampling Deceptive Jamming Suppression for Sar Based on Azimuth Phase Coding. , 2019, , .		1
88	End-to-end Bistatic insar Raw Data Simulation for Twinsar-L Mission. , 2019, , .		3
89	A 3.6 GHz X-Band Wideband Experimental Airborne Sar System. , 2019, , .		0
90	A Novel Multi-channel High-Resolution Imaging Method for MIMO-SAR System Based on Filterbank Framework Reconstruction Theory. , 2019, , .		1

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91	Phase Mismatch Calibration for Multichannel Sliding Spotlight SAR Imaging with Extended Azimuth Cross Correlation. , 2019, , .		1
92	SAR Tomographic Imaging Demonstration Using GF-3 Data. , 2019, , .		3
93	A Novel Unambiguous Spectrum Reconstruction Algorithm for Space-borne High Resolution and Wide Swath SAR Imaging Based on Iterative Adaptive Algorithm. , 2019, , .		1
94	An ISAR Approach for Refocusing the Maritime Moving Targets With the GF-3 SAR Satellite. , 2019, , .		2
95	Intra-pulse Doppler effect and experimental result on nonlinear frequency modulation airborne SAR. , 2019, , .		0
96	The Design of Orthogonal Waveform Suiting for Synthetic Aperture Radar Imaging. , 2019, , .		0
97	Waterline mapping of inland great lake with subpixel accuracy from GF-3 SAR images. , 2019, , .		0
98	Processing of Spaceborne High-Resolution Sar Data with Curved Orbit. , 2019, , .		2
99	A Novel Waveform Optimization Framework. , 2019, , .		1
100	An Advanced Non-Interrupted Synchronization Scheme for Bistatic Synthetic Aperture Radar. , 2019, , .		9
101	Estimation and Removal of Strong Range Ambiguities in Multistatic Synthetic Aperture Radar With Multiple Elevation Beams. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 407-411.	3.1	10
102	Mapping the Yellow River Delta land subsidence with multitemporal SAR interferometry by exploiting both persistent and distributed scatterers. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 148, 157-173.	11.1	73
103	Robust boundary extraction of great lakes by blocking Active Contour Model using Chinese GF-3 SAR data: a case study of Danjiangkou reservoir, China. Journal of Engineering, 2019, 2019, 6876-6879.	1.1	4
104	Ionospheric correction of ALOS-2 full-aperture ScanSAR interferometric data for surface deformation measurement in Beijing. Journal of Engineering, 2019, 2019, 5685-5688.	1.1	2
105	Bistatic InSAR. , 2018, , 235-275.		1
106	High-resolution polarimetric SAR image decomposition of urban areas based on a POA correction method. Remote Sensing Letters, 2018, 9, 363-372.	1.4	9
107	A method of estimating the velocity of moving targets for use in high-resolution wide-swath SAR imaging. Remote Sensing Letters, 2018, 9, 305-313.	1.4	8
108	Fundamentals of Bistatic SAR. , 2018, , 1-40.		1



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109	Fundamentals of Bistatic SAR Imaging Algorithms. , 2018, , 41-75.		0
110	Frequency-Domain Processing for Azimuth-Variant Processing. , 2018, , 113-132.		0
111	Synchronization. , 2018, , 199-234.		1
112	Bistatic SAR System and Signal Processing Technology. , 2018, , .		37
113	SAR Signal Recovery and Reconstruction in Staggered Mode With Low Oversampling Factors. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 704-708.	3.1	25
114	Adaptive Multilooking Based on Complex Patch for Multitemporal Interferometry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 907-918.	4.9	10
115	Strong Clutter Suppression for Spaceborne Dual-Channel Sar/Gmti. , 2018, , .		1
116	Simultaneous range ambiguity mitigation and sidelobe reduction using orthogonal non-linear frequency modulated (ONLFM) signals for satellite SAR Imaging. Remote Sensing Letters, 2018, 9, 829-838.	1.4	9
117	An Accelerated Backprojection Algorithm for Monostatic and Bistatic SAR Processing. Remote Sensing, 2018, 10, 140.	4.0	20
118	Research on Strong Clutter Suppression for Gaofen-3 Dual-Channel SAR/GMTI. Sensors, 2018, 18, 978.	3.8	9
119	A magnitude weighting process for bistatic SAR digital beamforming implementation. Remote Sensing Letters, 2018, 9, 770-779.	1.4	1
120	Unique Decomposition and a New Model for the Ground Moving Target Indication Problem. Journal of Optimization Theory and Applications, 2017, 173, 297-312.	1.5	1
121	Modified Multichannel Reconstruction Method of SAR With Highly Nonuniform Spatial Sampling. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 617-627.	4.9	17
122	Effective Mapping of Urban Areas Using ENVISAT ASAR, Sentinel-1A, and HJ-1-C Data. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 891-895.	3.1	6
123	Generation and Transmission of OAM-Carrying Vortex Beams Using Circular Antenna Array. IEEE Transactions on Antennas and Propagation, 2017, 65, 2940-2949.	5.1	84
124	Demonstration of Dual-Channel TOPS SAR Imaging With Airborne C-Band Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3569-3581.	4.9	6
125	Building extraction from high-resolution SAR imagery based on deep neural networks. Remote Sensing Letters, 2017, 8, 888-896.	1.4	18
126	An Adaptive Multilook Approach for Small Sets of Multitemporal SAR Data Based on Adaptive Joint Data Vector. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1161-1165.	3.1	3



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127	Improved eigensubspace-based approach for radio frequency interference filtering of synthetic aperture radar images. <i>Journal of Applied Remote Sensing</i> , 2017, 11, 025004.	1.3	6
128	Robust phase mismatch calibration for multichannel sliding spotlight SAR imaging. <i>Remote Sensing Letters</i> , 2017, 8, 869-878.	1.4	3
129	A polarimetric SAR internal calibration scheme for polarization crosstalk. <i>Remote Sensing Letters</i> , 2017, 8, 879-887.	1.4	1
130	Statistically homogeneous pixel selection for small SAR data sets based on the similarity test of the covariance matrix. <i>Remote Sensing Letters</i> , 2017, 8, 927-936.	1.4	7
131	Processing Sliding Mosaic Mode Data With Modified Full-Aperture Imaging Algorithm Integrating Scalping Correction. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 1804-1812.	4.9	9
132	Interferogram denoising using an iteratively refined nonlocal InSAR filter. <i>Remote Sensing Letters</i> , 2017, 8, 897-906.	1.4	5
133	Precise Calibration of Channel Imbalance for Very High Resolution SAR With Stepped Frequency. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 4252-4261.	6.3	17
134	Imaging for High-Resolution Wide-Swath Spaceborne SAR Using Cubic Filtering and NUFFT Based on Circular Orbit Approximation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 787-800.	6.3	5
135	Signal reconstruction from recurrent samples in fractional Fourier domain and its application in multichannel SAR. <i>Signal Processing</i> , 2017, 131, 288-299.	3.7	18
136	Autofocus Correction of Residual RCM for VHR SAR Sensors With Light-Small Aircraft. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 441-452.	6.3	37
137	Airborne X-band SAR for demonstrating two-dimensional digital beamforming. , 2017, , .		0
138	AET-IAA: A Novel Approach to Enhance Azimuth Resolution for ScanSAR Interferometry. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 5674-5685.	4.9	4
139	The SAR Payload Design and Performance for the GF-3 Mission. <i>Sensors</i> , 2017, 17, 2419.	3.8	111
140	Integrated Time and Phase Synchronization Strategy for a Multichannel Spaceborne-Stationary Bistatic SAR System. <i>Remote Sensing</i> , 2016, 8, 628.	4.0	9
141	Insights into prior learning for despeckling SAR images. <i>IET Radar, Sonar and Navigation</i> , 2016, 10, 1611-1618.	1.8	2
142	A velocity estimation method of moving target for SAR high-resolution wide-swath mode. , 2016, , .		2
143	A high-order hyperbolic range model for high-resolution spaceborne SAR. , 2016, , .		0
144	Improved DBF algorithm for multichannel SAR with highly nonuniform sampling. , 2016, , .		0

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145	Improved digital beamforming approach with scaling function for range multichannel synthetic aperture radar system. IET Radar, Sonar and Navigation, 2016, 10, 379-385.	1.8	6
146	SAR ATR based on displacement- and rotation-insensitive CNN. Remote Sensing Letters, 2016, 7, 895-904.	1.4	67
147	Modified statistically homogeneous pixel selection for coherence estimation with multi-temporal insar images. , 2016, , .		0
148	Improved superpixel-based polarimetric synthetic aperture radar image classification integrating color features. Journal of Applied Remote Sensing, 2016, 10, 026026.	1.3	5
149	Modified Statistically Homogeneous Pixels™ Selection With Multitemporal SAR Images. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1930-1934.	3.1	13
150	Demonstration of NLFM Waveforms With Experiments and Doppler Shift Compensation for SAR Application. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1999-2003.	3.1	15
151	Fast ship detection for ScanSAR mode in wide sea areas. , 2016, , .		1
152	Generalized autofocus scheme for multi-mode airborne SAR systems. , 2016, , .		1
153	Phase estimation of distributed scatterer for high resolution data stacks in nonurban areas. , 2016, , .		1
154	Improved Phase-Encoding Calibration for Active Phased-Array Antennas of SAR. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 767-771.	3.1	6
155	Spaceborne/Stationary Bistatic SAR Imaging With TerraSAR-X as an Illuminator in Staring-Spotlight Mode. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5203-5216.	6.3	42
156	A Weighted Backprojection Algorithm for Azimuth Multichannel SAR Imaging. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1265-1269.	3.1	13
157	Attitude-Steering Strategy for Squint Spaceborne Synthetic Aperture Radar. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1163-1167.	3.1	5
158	First Demonstration of Airborne SAR With Nonlinear FM Chirp Waveforms. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 247-251.	3.1	36
159	A Novel Region-Merging Approach for Coastline Extraction From Sentinel-1A IW Mode SAR Imagery. IEEE Geoscience and Remote Sensing Letters, 2016, , 1-5.	3.1	38
160	An Improved Processing Scheme of Digital Beam-Forming in Elevation for Reducing Resource Occupation. IEEE Geoscience and Remote Sensing Letters, 2016, , 1-5.	3.1	17
161	A Synchronization Algorithm for Spaceborne/Stationary BiSAR Imaging Based on Contrast Optimization With Direct Signal From Radar Satellite. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1977-1989.	6.3	19
162	First Bistatic Demonstration of Digital Beamforming in Elevation With TerraSAR-X as an Illuminator. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 842-849.	6.3	51

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163	Filtering of SAR images using non-local PCA. Remote Sensing Letters, 2016, 7, 41-50.	1.4	2
164	A Novel Optimization Framework for Classic Windows Using Bio-Inspired Methodology. Circuits, Systems, and Signal Processing, 2016, 35, 693-703.	2.0	3
165	Impact of cross-polarization isolation on polarimetric target decomposition and target detection. Radio Science, 2015, 50, 327-338.	1.6	13
166	Improved Azimuth Multichannel SAR Imaging for Configurations With Redundant Measurements. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1610-1614.	3.1	5
167	Azimuth ambiguity suppression with an improved reconstruction method based on antenna pattern for multichannel synthetic aperture radar systems. IET Radar, Sonar and Navigation, 2015, 9, 492-500.	1.8	17
168	Interferometric Phase Denoising by Median Patch-Based Locally Optimal Wiener Filter. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1730-1734.	3.1	11
169	Moving targets detection and parameters estimation for dual-channel WAS radar. , 2015, , .		0
170	A Modification to the Complex-Valued MRF Modeling Filter of Interferometric SAR Phase. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 681-685.	3.1	6
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