

Cheng Hu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

178 papers	1,550 citations	18 h-index	29 g-index
224 ext. papers	1,962 ext. citations	4.1 avg, IF	5.07 L-index

#	Paper	IF	Citations
178	Insect-Equivalent Radar Cross-Section Model Based on Field Experimental Results of Body Length and Orientation Extraction. <i>Remote Sensing</i> , 2022 , 14, 508	5	
177	A Long-Time Coherent Integration STAP for GEO Spaceborne-Airborne Bistatic SAR. <i>Remote Sensing</i> , 2022 , 14, 593	5	3
176	Polarimetric Calibration Technique for a Fully Polarimetric Entomological Radar Based on Antenna Rotation. <i>Remote Sensing</i> , 2022 , 14, 1551	5	2
175	Rapid Identification and Spectral Moment Estimation of Non-Gaussian Weather Radar Signal. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	0
174	Insect Migration Flux Estimation Based on Statistical Hypothesis for Entomological Radar. <i>Remote Sensing</i> , 2022 , 14, 2298	5	0
173	A Data-Driven Polarimetric Calibration Method for Entomological Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	0
172	High-Quality Pixel Selection Applied for Natural Scenes in GB-SAR Interferometry. <i>Remote Sensing</i> , 2021 , 13, 1617	5	1
171	Research progress on geosynchronous synthetic aperture radar. <i>Fundamental Research</i> , 2021 , 1, 346-363		2
170	Repositioning Error Compensation in Discontinuous Ground-Based SAR Monitoring. <i>Remote Sensing</i> , 2021 , 13, 2461	5	
169	Comprehensive analysis of polarimetric radar cross-section parameters for insect body width and length estimation. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	7
168	A Grid Partition Method for Atmospheric Phase Compensation in GB-SAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-13	8.1	6
167	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-15	8.1	3
166	Moving Target Detection and Parameter Estimation via a Modified Imaging STAP with a Large Baseline in Multistatic GEO SAR. <i>Remote Sensing</i> , 2021 , 13, 346	5	2
165	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1	3.7	2
164	Fast Implementation of Insect Multi-Target Detection Based on Multimodal Optimization. <i>Remote Sensing</i> , 2021 , 13, 594	5	1
163	Calibration Method of Array Errors for Wideband MIMO Imaging Radar Based on Multiple Prominent Targets. <i>Remote Sensing</i> , 2021 , 13, 2997	5	1
162	Radar monitoring unveils migration dynamics of the yellow-spined bamboo locust (Orthoptera: Arcypteridae). <i>Computers and Electronics in Agriculture</i> , 2021 , 187, 106306	6.5	1

161	Insect Multifrequency Polarimetric Radar Cross Section: Experimental Results and Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 6573-6585	8.1	4
160	Efficient Multipath Clutter Cancellation for UAV Monitoring Using DAB Satellite-Based PBR. <i>Remote Sensing</i> , 2021 , 13, 3429	5	2
159	Design of Insect Target Tracking Algorithm in Clutter Based on the Multidimensional Feature Fusion Strategy. <i>Remote Sensing</i> , 2021 , 13, 3744	5	0
158	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 7165-7179	8.1	2
157	Animal Migration Patterns Extraction Based on Atrous-Gated CNN Deep Learning Model. <i>Remote Sensing</i> , 2021 , 13, 4998	5	0
156	A Novel Radar Detection Method for Sensing Tiny and Maneuvering Insect Migrants. <i>Remote Sensing</i> , 2020 , 12, 3238	5	3
155	Equivalent point estimation for small target groups tracking based on maximum group likelihood estimation. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	1
154	CUDC-907, a novel dual PI3K and HDAC inhibitor, in prostate cancer: Antitumour activity and molecular mechanism of action. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 7239-7253	5.6	16
153	A Novel Azimuth Spectrum Reconstruction and Imaging Method for Moving Targets in Geosynchronous Spaceborne-Airborne Bistatic Multichannel SAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 5976-5991	8.1	13
152	Robust Tracking for Small Target Groups With Dynamic Outlines. <i>IEEE Access</i> , 2020 , 8, 43289-43300	3.5	0
151	Multistatic Geosynchronous SAR Resolution Analysis and Grating Lobe Suppression Based on Array Spatial Ambiguity Function. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 6020-6038	8.1	8
150	Geosynchronous Spaceborne-Airborne Bistatic Moving Target Indication System: Performance Analysis and Configuration Design. <i>Remote Sensing</i> , 2020 , 12, 1810	5	5
149	Insect Mass Estimation Based on Radar Cross Section Parameters and Support Vector Regression Algorithm. <i>Remote Sensing</i> , 2020 , 12, 1903	5	4
148	Velocity Estimation of Multiple Moving Targets in Single-Channel Geosynchronous SAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 5861-5879	8.1	8
147	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 3927-3940	8.1	12
146	Deep-learning-based extraction of the animal migration patterns from weather radar images. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	12
145	Entomological Radar Overview: System and Signal Processing. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2020 , 35, 20-32	2.4	12
144	Formation Design for Single-Pass GEO InSAR Considering Earth Rotation Based on Coordinate Rotational Transformation. <i>Remote Sensing</i> , 2020 , 12, 573	5	5

143	3-D Deformation Measurement Based on Three GB-MIMO Radar Systems: Experimental Verification and Accuracy Analysis. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 1-5	4.1	10
142	Data Augmentation for Imbalanced HRRP Recognition Using Deep Convolutional Generative Adversarial Network. <i>IEEE Access</i> , 2020 , 8, 201686-201695	3.5	3
141	Rapid Surface Large-Change Monitoring by Repeat-Pass GEO SAR Multibaseline Interferometry. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 1-5	4.1	1
140	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 1030-1040	8.1	5
139	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020 , 56, 748-760	3.7	9
138	Radar Measurements of Morphological Parameters and Species Identification Analysis of Migratory Insects. <i>Remote Sensing</i> , 2019 , 11, 1977	5	3
137	Mixed-valent MnSiO/C nanocomposite for high-performance asymmetric supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 239-248	9.3	17
136	Super-resolution of geosynchronous synthetic aperture radar images using dialectical GANs. <i>Science China Information Sciences</i> , 2019 , 62, 1	3.4	8
135	Influence of Orbit and System Parameters on Geosynchronous SAR Multiple-Aperture Interferometry Processing: Analysis and Validation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 1798-1811	4.7	1
134	Modeling and Quantitative Analysis of Tropospheric Impact on Inclined Geosynchronous SAR Imaging. <i>Remote Sensing</i> , 2019 , 11, 803	5	7
133	GB-InSAR-Based DEM Generation Method and Precision Analysis. <i>Remote Sensing</i> , 2019 , 11, 997	5	7
132	Geosynchronous SAR Tomography: Theory and First Experimental Verification Using Beidou IGSO Satellite. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 6591-6607	8.1	12
131	A PS processing framework for long-term and real-time GB-SAR monitoring. <i>International Journal of Remote Sensing</i> , 2019 , 40, 6298-6314	3.1	10
130	Insect Biological Parameter Estimation Based on the Invariant Target Parameters of the Scattering Matrix. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 6212-6225	8.1	16
129	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2019 , 55, 578-591	3.7	12
128	. <i>IEEE Signal Processing Magazine</i> , 2019 , 36, 42-52	9.4	12
127	A Compensation Method for a Time-Space Variant Atmospheric Phase Applied to Time-Series GB-SAR Images. <i>Remote Sensing</i> , 2019 , 11, 2350	5	7
126	Theoretical analysis and experimental verification of wideband multiple-input multiple-output imaging radar. <i>Journal of Engineering</i> , 2019 , 2019, 5896-5900	0.7	2

125	Generalised ambiguity function analysis of distributed MIMO synthetic aperture radar. <i>Journal of Engineering</i> , 2019 , 2019, 5846-5849	0.7	
124	New moving target Doppler centroid expression in geosynchronous SAR. <i>Journal of Engineering</i> , 2019 , 2019, 5797-5800	0.7	
123	Novel MIMO-SAR system applied for high-speed and high-accuracy deformation measurement. <i>Journal of Engineering</i> , 2019 , 2019, 6598-6602	0.7	4
122	Optimal data acquisition in multi-pass geosynchronous SAR tomography. <i>Journal of Engineering</i> , 2019 , 2019, 6359-6363	0.7	0
121	Modelling and quantitative analysis of tropospheric turbulence impacts on GEO SAR imaging. <i>Journal of Engineering</i> , 2019 , 2019, 6956-6960	0.7	
120	Decorrelation in GEO SARs due to radio frequency interferences. <i>Journal of Engineering</i> , 2019 , 2019, 7039-7041	0.7	
119	Quantifying insect migration across Bohai strait using weather radar. <i>Journal of Engineering</i> , 2019 , 2019, 6095-6098	0.7	1
118	Insect speed extraction method based on a high resolution and full polarisation radar with vertical-looking mode. <i>Journal of Engineering</i> , 2019 , 2019, 5889-5892	0.7	2
117	Experimental validations of insect orientation extraction based on fully polarimetric measurement. <i>Journal of Engineering</i> , 2019 , 2019, 7954-7957	0.7	3
116	Fully Polarimetric Radar Observing Insects Flight 2019 ,		1
115	Insect wing-beat frequency automatic extraction and experimental verification with a Ku-band insect radar system. <i>Journal of Engineering</i> , 2019 , 2019, 7973-7976	0.7	2
114	Design and preliminary verification of L-band ground-based SAR system for the vegetated area. <i>Journal of Engineering</i> , 2019 , 2019, 5707-5711	0.7	
113	Wide aperture image processing and analysis for BSAR with GNSS transmitters. <i>Journal of Engineering</i> , 2019 , 2019, 5548-5552	0.7	
112	Performance analysis of moving ship target signal integration and detection in geosynchronous synthetic aperture radar. <i>Journal of Engineering</i> , 2019 , 2019, 6382-6386	0.7	
111	Electromagnetic scattering characteristics of flapping bird and experimental validation. <i>Journal of Engineering</i> , 2019 , 2019, 5860-5863	0.7	1
110	Extracting animal migration pattern from weather radar observation based on deep convolutional neural networks. <i>Journal of Engineering</i> , 2019 , 2019, 6541-6545	0.7	3
109	Optimal geometry to resolve 3D deformation from multiple GB-DInRad. <i>Electronics Letters</i> , 2019 , 55, 953-955	1.1	1
108	Moving target modelling and indication in MIMO GEO SAR. <i>Journal of Engineering</i> , 2019 , 2019, 5529-5533	0.7	1

107	Modeling and Analyzing Impacts of Drifting Anisotropic Ionospheric Irregularities on Inclined Geosynchronous SAR. <i>IEEE Access</i> , 2019 , 7, 143090-143096	3.5	1
106	Migratory Insect Multifrequency Radar Cross Sections for Morphological Parameter Estimation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 3450-3461	8.1	8
105	An improved radar detection and tracking method for small UAV under clutter environment. <i>Science China Information Sciences</i> , 2019 , 62, 1	3.4	16
104	GEO SAR System Analysis and Design 2018 , 27-76		1
103	Algorithms for GEO SAR Imaging Processing 2018 , 77-128		1
102	Analysis of Temporal-Spatial Variant Atmospheric Effects on GEO SAR 2018 , 129-187		
101	Ionospheric Experiment Validation and Compensation 2018 , 189-229		
100	Geosynchronous InSAR and D-InSAR 2018 , 231-272		
99	Geosynchronous SAR: System and Signal Processing 2018 ,		6
98	Identification of Migratory Insects from their Physical Features using a Decision-Tree Support Vector Machine and its Application to Radar Entomology. <i>Scientific Reports</i> , 2018 , 8, 5449	4.9	17
97	Moving Ship Velocity Estimation Using TanDEM-X Data Based on Subaperture Decomposition. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018 , 15, 1560-1564	4.1	8
96	Analysis of the impacts of ionospheric scintillation on geosynchronous SAR based on spherical wave correction 2018 ,		2
95	Three Dimensional Deformation Retrieval in GEO D-InSAR 2018 , 273-290		
94	GRFT-Based Moving Ship Target Detection and Imaging in Geosynchronous SAR. <i>Remote Sensing</i> , 2018 , 10, 2002	5	14
93	Ionospheric Scintillation Impacts on L-band Geosynchronous D-InSAR System: Models and Analysis. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 4862-4873	4.7	2
92	Performance and Requirements of GEO SAR Systems in the Presence of Radio Frequency Interferences. <i>Remote Sensing</i> , 2018 , 10, 82	5	19
91	Insect flight speed estimation analysis based on a full-polarization radar. <i>Science China Information Sciences</i> , 2018 , 61, 1	3.4	19
90	Two-Dimensional Deformation Measurement Based on Multiple Aperture Interferometry in GB-SAR. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 208-212	4.1	11

89	Computerized ionospheric tomography based on geosynchronous SAR. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2686-2705	2.6	6
88	Micro-Doppler measurement of insect wing-beat frequencies with W-band coherent radar. <i>Scientific Reports</i> , 2017 , 7, 1396	4.9	28
87	Joint Amplitude-Phase Compensation for Ionospheric Scintillation in GEO SAR Imaging. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 3454-3465	8.1	20
86	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2017 , 53, 2077-2093	3.7	17
85	Design and Imaging of Ground-Based Multiple-Input Multiple-Output Synthetic Aperture Radar (MIMO SAR) with Non-Collinear Arrays. <i>Sensors</i> , 2017 , 17,	3.8	27
84	Experimental design and data processing of twin GEO SAR interferometry based on Beidou IGSO satellites 2017 ,		1
83	Passive SAR with GNSS transmitters: Latest results and research progress 2017 ,		7
82	Accurate Analysis of Target Characteristic in Bistatic SAR Images: A Dihedral Corner Reflectors Case. <i>Sensors</i> , 2017 , 18,	3.8	13
81	GNSS forward scatter radar detection: Signal processing and experiment 2017 ,		3
80	Three-Dimensional Deformation Retrieval in Geosynchronous SAR by Multiple-Aperture Interferometry Processing: Theory and Performance Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 6150-6169	8.1	19
79	Optimal 3D deformation measuring in inclined geosynchronous orbit SAR differential interferometry. <i>Science China Information Sciences</i> , 2017 , 60, 1	3.4	34
78	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 615-615	8.1	
77	Performance Analysis of L-Band Geosynchronous SAR Imaging in the Presence of Ionospheric Scintillation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 159-172	8.1	42
76	A performance analysis of typical imaging algorithms in Ground-Based Synthetic aperture radar 2017 ,		2
75	SA-based orbital design method for GEO-BiSAR resolution improvement 2017 ,		2
74	Design of MIMO array with low grating lobes in near-field imaging 2017 ,		5
73	A Sparse SAR Imaging Method Based on Multiple Measurement Vectors Model. <i>Remote Sensing</i> , 2017 , 9, 297	5	12
72	Feasibility study of inclined geosynchronous SAR focusing using Beidou IGSO signals. <i>Science China Information Sciences</i> , 2016 , 59, 1	3.4	8

71	Space-Surface Bistatic SAR Image Enhancement Based on Repeat-Pass Coherent Fusion With Beidou-2/Compass-2 as Illuminators. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 1832-1836	4.1	18
70	Analysis of effects of time variant troposphere on Geosynchronous SAR imaging 2016 ,		1
69	Accurate non-contact retrieval in micro vibration by a 100GHz radar. <i>Science China Information Sciences</i> , 2016 , 59, 1	3.4	6
68	Ground-Based SAR Wide View Angle Full-Field Imaging Algorithm Based on Keystone Formatting. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 2160-2170	4.7	11
67	High-precision deformation monitoring algorithm for GBSAR system: rail determination phase error compensation. <i>Science China Information Sciences</i> , 2016 , 59, 1	3.4	10
66	Adaptive Secondary Range Compression Algorithm in Geosynchronous SAR. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 1397-1413	4.7	10
65	Background Ionosphere Effects on Geosynchronous SAR Focusing: Theoretical Analysis and Verification Based on the BeiDou Navigation Satellite System (BDS). <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 1143-1162	4.7	30
64	Sparsity-Inducing Super-Resolution Passive Radar Imaging with Illuminators of Opportunity. <i>Remote Sensing</i> , 2016 , 8, 929	5	2
63	Impacts of Temporal-Spatial Variant Background Ionosphere on Repeat-Track GEO D-InSAR System. <i>Remote Sensing</i> , 2016 , 8, 916	5	17
62	Improved Reconstruction of Radio Holographic Signal for Forward Scatter Radar Imaging. <i>Sensors</i> , 2016 , 16,	3.8	6
61	Numerical Analysis of Orbital Perturbation Effects on Inclined Geosynchronous SAR. <i>Sensors</i> , 2016 , 16,	3.8	5
60	High Accuracy Acquisition of 3-D Flight Trajectory of Individual Insect Based on Phase Measurement. <i>Sensors</i> , 2016 , 16,	3.8	3
59	Dem-assisted back-projection algorithm in high resolution geosynchronous SAR imaging 2016 ,		1
58	Avoiding the Ionospheric Scintillation Interference on Geosynchronous SAR by Orbit Optimization. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 1676-1680	4.1	11
57	Experimental Study of Ionospheric Impacts on Geosynchronous SAR Using GPS Signals. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 2171-2183	4.7	18
56	Accurate range profile alignment method based on minimum entropy for inverse synthetic aperture radar image formation. <i>IET Radar, Sonar and Navigation</i> , 2016 , 10, 663-671	1.4	8
55	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 721-725	4.1	30
54	A novel subsidence monitoring technique based on space-surface bistatic differential interferometry using GNSS as transmitters. <i>Science China Information Sciences</i> , 2015 , 58, 1-16	3.4	7

53	A novel SAR interferometry processing method in high resolution spotlight SAR. <i>Journal of Electromagnetic Waves and Applications</i> , 2015 , 29, 1785-1802	1.3	5
52	Multiangle BSAR Imaging Based on BeiDou-2 Navigation Satellite System: Experiments and Preliminary Results. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 5760-5773	8.1	31
51	Design of validation experiment for analysing impacts of background ionosphere on geosynchronous SAR using GPS signals. <i>Electronics Letters</i> , 2015 , 51, 1604-1606	1.1	6
50	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 3692-3699	4.7	15
49	Bistatic SAR imaging processing and experiment results using BeiDou-2/Compass-2 as illuminator of opportunity and a fixed receiver 2015 ,		6
48	Impacts of ionospheric scintillation on geosynchronous SAR focusing: preliminary experiments and analysis. <i>Science China Information Sciences</i> , 2015 , 58, 1-3	3.4	9
47	Optimal Data Acquisition and Height Retrieval in Repeat-Track Geosynchronous SAR Interferometry. <i>Remote Sensing</i> , 2015 , 7, 13367-13389	5	18
46	DEM generation using bistatic interferometry: High-coherence pixel selection and residual reference phase compensation. <i>Science China Information Sciences</i> , 2015 , 58, 1-14	3.4	1
45	Multi-static MIMO-SAR three dimensional deformation measurement system 2015 ,		6
44	Experimental Results and Algorithm Analysis of DEM Generation Using Bistatic SAR Interferometry With Stationary Receiver. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 5835-5852	8.1	11
43	An Improved Frequency Domain Focusing Method in Geosynchronous SAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 5514-5528	8.1	54
42	Space-surface BiSAR based on GNSS signal: Synchronization, imaging and experiment result 2014 ,		8
41	Grating lobes suppression method for stepped frequency GB-SAR system. <i>Journal of Systems Engineering and Electronics</i> , 2014 , 25, 987-995	1.3	1
40	Regional tropical deforestation detection using ALOS PALSAR 50m mosaics in Riau province, Indonesia. <i>Electronics Letters</i> , 2014 , 50, 547-549	1.1	10
39	Multi-angle BiSAR images enhancement and scatting characteristics analysis 2014 ,		1
38	Imaging Formation Algorithm of the Ground and Space-Borne Hybrid BiSAR Based on Parameters Estimation from Direct Signal. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-11	1.1	3
37	Multi-angle fusion of SS-BiSAR images using Compass-2/Beidou-2 Satellites as opportunity illuminators 2014 ,		5
36	A Novel Rapid SAR Simulator Based on Equivalent Scatterers for Three-Dimensional Forest Canopies. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 5243-5255	8.1	12

35	Radio holography signal reconstruction and shadow inverse synthetic aperture radar imaging in ground-based forward scatter radar: theory and experimental results. <i>IET Radar, Sonar and Navigation</i> , 2014 , 8, 907-916	1.4	5
34	Accurate three-dimensional tracking method in bistatic forward scatter radar. <i>Eurasip Journal on Advances in Signal Processing</i> , 2013 , 2013,	1.9	5
33	Extended NLCS Algorithm of BiSAR Systems With a Squinted Transmitter and a Fixed Receiver: Theory and Experimental Confirmation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013 , 51, 5019-5030	8.1	18
32	An improved focusing method for geosynchronous SAR. <i>Advances in Space Research</i> , 2013 , 51, 1773-1783	2.4	7
31	AN IMPROVED NONLINEAR CHIRP SCALING ALGORITHM BASED ON CURVED TRAJECTORY IN GEOSYNCHRONOUS SAR. <i>Progress in Electromagnetics Research</i> , 2013 , 135, 481-513	3.8	17
30	Imaging Algorithm for Bistatic SAR Based on GNSS Signal. <i>Journal of Radars</i> , 2013 , 2, 39-45		2
29	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2012 , 5, 795-808	4.7	55
28	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2012 , 48, 3006-3026	3.7	26
27	Joint parameter estimation and Cramer-Rao bound analysis in ground-based forward scatter radar. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012 , 2012,	1.9	2
26	Image Formation Algorithm for Asymmetric Bistatic SAR Systems With a Fixed Receiver. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012 , 50, 4684-4698	8.1	16
25	An accurate SISAR imaging method of ground moving target in forward scatter radar. <i>Science China Information Sciences</i> , 2012 , 55, 2269-2280	3.4	1
24	An improved wide swath imaging algorithm based on series reversion in GEO SAR 2012 ,		1
23	Fast processing method of SAR raw data simulation for large-scale forest stand application 2011 ,		1
22	Improved Secondary Range Compression focusing method in GEO SAR 2011 ,		7
21	The Accurate Focusing and Resolution Analysis Method in Geosynchronous SAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011 , 49, 3548-3563	8.1	94
20	A New Method of Zero-Doppler Centroid Control in GEO SAR. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011 , 8, 512-516	4.1	49
19	Effects of Earth rotation on GEO SAR characteristics analysis 2011 ,		5
18	A novel range migration algorithm of GEO SAR echo data 2010 ,		9

17	Modification of slant range model and imaging processing in GEO SAR 2010 ,		14
16	Analysis of signal characteristic and resolution in ground forward scattering radar 2010 ,		1
15	Physical modeling and spectrum spread analysis of surface clutter in forward scattering radar. <i>Science China Information Sciences</i> , 2010 , 53, 2310-2322	3-4	6
14	Statistic characteristic analysis of forward scattering surface clutter in bistatic radar. <i>Science China Information Sciences</i> , 2010 , 53, 2675-2686	3-4	4
13	The Analysis of Multi-polarization Forward Scattering RCS and the Effect on Target Classification and Identification. <i>Dianzi Yu Xinxuebao/Journal of Electronics and Information Technology</i> , 2010 , 32, 2191-2196		1
12	Space-Surface Bistatic SAR Image Formation Algorithms. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009 , 47, 1827-1843	8.1	48
11	3-D position estimation of isolated target and optimal trajectory choice in parasitic synthetic aperture radar. <i>Advances in Space Research</i> , 2009 , 43, 231-238	2.4	1
10	Ground moving target signal model and power calculation in forward scattering micro radar. <i>Science in China Series F: Information Sciences</i> , 2009 , 52, 1704-1714		14
9	Forward scattering micro radars for situation awareness 2009 ,		2
8	The concept of a forward scattering micro-sensors radar network for situational awareness 2008 ,		14
7	A Multiple SVR Approach with Time Lags for Traffic Flow Prediction 2008 ,		6
6	Quasi-optimal signal processing in ground Forward Scattering Radar 2008 ,		7
5	Vegetation clutter spectral properties in VHF/UHF bistatic doppler radar 2008 ,		12
4	The possibility of isolated target 3-D position estimation and optimal receiver position determination in SS-BSAR. <i>Science in China Series F: Information Sciences</i> , 2008 , 51, 1372-1383		6
3	Forward-Looking Bistatic SAR Range Migration Alogrithm 2006 ,		6
2	Back-Projection Algorithm Characteristic Analysis in Forward-Looking Bistatic SAR 2006 ,		12
1	Isolated target 3-D position estimation in SS-BSAR		2