

Mengdao Xing

List of Publications by Year in descending order

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2709
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#	ARTICLE	IF	CITATIONS
1	Resolution Enhancement for Inversed Synthetic Aperture Radar Imaging Under Low SNR via Improved Compressive Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 3824-3838.	6.3	271
2	Achieving Higher Resolution ISAR Imaging With Limited Pulses via Compressed Sampling. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 567-571.	3.1	225
3	Motion Compensation for UAV SAR Based on Raw Radar Data. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2870-2883.	6.3	219
4	Lv's Distribution: Principle, Implementation, Properties, and Performance. IEEE Transactions on Signal Processing, 2011, 59, 3576-3591.	5.3	193
5	Radar HRRP target recognition based on higher order spectra. IEEE Transactions on Signal Processing, 2005, 53, 2359-2368.	5.3	189
6	Robust Ground Moving-Target Imaging Using Deramp-Keystone Processing. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 966-982.	6.3	183
7	High-Resolution ISAR Imaging by Exploiting Sparse Apertures. IEEE Transactions on Antennas and Propagation, 2012, 60, 997-1008.	5.1	160
8	Migration Through Resolution Cell Compensation in ISAR Imaging. IEEE Geoscience and Remote Sensing Letters, 2004, 1, 141-144.	3.1	158
9	High-Resolution ISAR Imaging With Sparse Stepped-Frequency Waveforms. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4630-4651.	6.3	154
10	A Robust Motion Compensation Approach for UAV SAR Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3202-3218.	6.3	149
11	Eigensubspace-Based Filtering With Application in Narrow-Band Interference Suppression for SAR. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 75-79.	3.1	137
12	Imaging of Micromotion Targets With Rotating Parts Based on Empirical-Mode Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3514-3523.	6.3	134
13	New Parameter Estimation and Detection Algorithm for High Speed Small Target. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 214-224.	4.7	111
14	Bayesian Inverse Synthetic Aperture Radar Imaging. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 1150-1154.	3.1	109
15	Focus Improvement of Highly Squinted Data Based on Azimuth Nonlinear Scaling. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 2308-2322.	6.3	107
16	Wavenumber-Domain Autofocusing for Highly Squinted UAV SAR Imagery. IEEE Sensors Journal, 2012, 12, 1574-1588.	4.7	94
17	Narrow-Band Interference Suppression for SAR Based on Complex Empirical Mode Decomposition. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 423-427.	3.1	89
18	High Resolution ISAR Imaging of Targets with Rotating Parts. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 2530-2543.	4.7	87

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19	High-Resolution Three-Dimensional Radar Imaging for Rapidly Spinning Targets. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 22-30.	6.3	86
20	Sparse Apertures ISAR Imaging and Scaling for Maneuvering Targets. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2942-2956.	4.9	85
21	A New Algorithm of ISAR Imaging for Maneuvering Targets with Low SNR. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 543-557.	4.7	84
22	Time-frequency approaches to ISAR imaging of maneuvering targets and their limitations. IEEE Transactions on Aerospace and Electronic Systems, 2001, 37, 1091-1099.	4.7	81
23	FEC: A Feature Fusion Framework for SAR Target Recognition Based on Electromagnetic Scattering Features and Deep CNN Features. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2174-2187.	6.3	81
24	Motion Compensation/Autofocus in Airborne Synthetic Aperture Radar: A Review. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 185-206.	9.6	81
25	Bistatic Spotlight SAR Processing Using the Frequency-Scaling Algorithm. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 48-52.	3.1	79
26	ISAR Imaging of Maneuvering Targets Based on the Range Centroid Doppler Technique. IEEE Transactions on Image Processing, 2010, 19, 141-153.	9.8	79
27	Multichannel HRWS SAR Imaging Based on Range-Variant Channel Calibration and Multi-Doppler-Direction Restriction Ambiguity Suppression. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4306-4327.	6.3	79
28	A 2-D Space-Variant Chirp Scaling Algorithm Based on the RCM Equalization and Subband Synthesis to Process Geosynchronous SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4868-4880.	6.3	78
29	Interference Suppression Algorithm for SAR Based on Time-Frequency Transform. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3765-3779.	6.3	72
30	High-Resolution Inverse Synthetic Aperture Radar Imaging and Scaling With Sparse Aperture. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4010-4027.	4.9	72
31	A Frequency-Domain Imaging Algorithm for Highly Squinted SAR Mounted on Maneuvering Platforms With Nonlinear Trajectory. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4023-4038.	6.3	72
32	High-Resolution Three-Dimensional Imaging of Spinning Space Debris. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2352-2362.	6.3	71
33	Robust Autofocusing Approach for Highly Squinted SAR Imagery Using the Extended Wavenumber Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 5031-5046.	6.3	70
34	ISAR Imaging via Sparse Probing Frequencies. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 451-455.	3.1	69
35	Compensation for the NsRCM and Phase Error After Polar Format Resampling for Airborne Spotlight SAR Raw Data of High Resolution. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 165-169.	3.1	68
36	Properties of high-resolution range profiles. Optical Engineering, 2002, 41, 493.	1.0	67

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37	SRMF-CLEAN Imaging Algorithm for Space Debris. IEEE Transactions on Antennas and Propagation, 2007, 55, 3524-3533.	5.1	67
38	Keystone transformation of the Wigner-Ville distribution for analysis of multicomponent LFM signals. Signal Processing, 2009, 89, 791-806.	3.7	66
39	Integrating Autofocus Techniques With Fast Factorized Back-Projection for High-Resolution Spotlight SAR Imaging. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1394-1398.	3.1	66
40	3D Geometry and Motion Estimations of Maneuvering Targets for Interferometric ISAR With Sparse Aperture. IEEE Transactions on Image Processing, 2016, 25, 2005-2020.	9.8	66
41	Sliding Spotlight and TOPS SAR Data Processing Without Subaperture. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 1036-1040.	3.1	64
42	InSAR Phase Denoising: A Review of Current Technologies and Future Directions. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 64-82.	9.6	63
43	Echo Model Analyses and Imaging Algorithm for High-Resolution SAR on High-Speed Platform. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 933-950.	6.3	62
44	CRTransSar: A Visual Transformer Based on Contextual Joint Representation Learning for SAR Ship Detection. Remote Sensing, 2022, 14, 1488.	4.0	59
45	Adaptive two-step calibration for high-resolution and wide-swath SAR imaging. IET Radar, Sonar and Navigation, 2010, 4, 548.	1.8	58
46	ISAR Cross-Range Scaling by Using Sharpness Maximization. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 165-169.	3.1	56
47	Focusing Parallel Bistatic SAR Data Using the Analytic Transfer Function in the Wavenumber Domain. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 3633-3645.	6.3	54
48	A 2-D Space-Variant Motion Estimation and Compensation Method for Ultrahigh-Resolution Airborne Stepped-Frequency SAR With Long Integration Time. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6390-6401.	6.3	54
49	Minimum Entropy via Subspace for ISAR Autofocus. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 205-209.	3.1	52
50	Robust Clutter Suppression and Moving Target Imaging Approach for Multichannel in Azimuth High-Resolution and Wide-Swath Synthetic Aperture Radar. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 687-709.	6.3	51
51	Minimum-Entropy-Based Autofocus Algorithm for SAR Data Using Chebyshev Approximation and Method of Series Reversion, and Its Implementation in a Data Processor. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1719-1728.	6.3	50
52	Artificial Intelligence In Interferometric Synthetic Aperture Radar Phase Unwrapping: A Review. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 10-28.	9.6	50
53	Robust CFAR Ship Detector Based on Bilateral-Trimmed-Statistics of Complex Ocean Scenes in SAR Imagery: A Closed-Form Solution. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1872-1890.	4.7	49
54	Phase adjustment and isar imaging of maneuvering targets with sparse apertures. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 1955-1973.	4.7	48

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55	Focus Improvement of High-Squint SAR Based on Azimuth Dependence of Quadratic Range Cell Migration Correction. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 150-154.	3.1	47
56	Enhanced ISAR Imaging and Motion Estimation With Parametric and Dynamic Sparse Bayesian Learning. IEEE Transactions on Computational Imaging, 2017, 3, 940-952.	4.4	47
57	A Robust Channel-Calibration Algorithm for Multi-Channel in Azimuth HRWS SAR Imaging Based on Local Maximum-Likelihood Weighted Minimum Entropy. IEEE Transactions on Image Processing, 2013, 22, 5294-5305.	9.8	45
58	Translational motion compensation for ISAR imaging under low SNR by minimum entropy. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	43
59	Beam Steering SAR Data Processing by a Generalized PFA. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4366-4377.	6.3	43
60	Scaling the 3-D Image of Spinning Space Debris via Bistatic Inverse Synthetic Aperture Radar. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 430-434.	3.1	42
61	Multichannel Full-Aperture Azimuth Processing for Beam Steering SAR. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4761-4778.	6.3	42
62	Processing of Very High Resolution Spaceborne Sliding Spotlight SAR Data Using Velocity Scaling. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1505-1518.	6.3	42
63	A Modified Equivalent Range Model and Wavenumber-Domain Imaging Approach for High-Resolution-High-Squint SAR With Curved Trajectory. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3721-3734.	6.3	42
64	Terahertz Image Detection with the Improved Faster Region-Based Convolutional Neural Network. Sensors, 2018, 18, 2327.	3.8	42
65	SAR Target Classification Using the Multikernel-Size Feature Fusion-Based Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	42
66	New Applications of Omega-K Algorithm for SAR Data Processing Using Effective Wavelength at High Squint. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 3156-3169.	6.3	41
67	Polarimetric Target Decomposition Based on Attributed Scattering Center Model for Synthetic Aperture Radar Targets. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2095-2099.	3.1	41
68	Airborne SAR Moving Target Signatures and Imagery Based on LVD. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5958-5971.	6.3	41
69	Range-Dependent Doppler reconstruction for frequency agile and PRF-jittering radar. IET Radar, Sonar and Navigation, 2018, 12, 348-352.	1.8	41
70	The Polar Format Imaging Algorithm Based on Double Chirp-Z Transforms. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 610-614.	3.1	40
71	Motion Parameter Estimation in the SAR System With Low PRF Sampling. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 450-454.	3.1	39
72	Azimuth Resampling Processing for Highly Squinted Synthetic Aperture Radar Imaging With Several Modes. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4339-4352.	6.3	39

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73	Two-Step Accuracy Improvement of Motion Compensation for Airborne SAR With Ultrahigh Resolution and Wide Swath. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7148-7160.	6.3	38
74	High-Resolution Radar Imaging of Air Targets From Sparse Azimuth Data. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1643-1655.	4.7	37
75	A Unified Focusing Algorithm for Several Modes of SAR Based on FrFT. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 3139-3155.	6.3	37
76	A Fast Phase Unwrapping Method for Large-Scale Interferograms. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4240-4248.	6.3	37
77	A Cluster-Analysis-Based Noise-Robust Phase-Unwrapping Algorithm for Multibaseline Interferograms. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 494-504.	6.3	37
78	Focusing of Highly Squinted SAR Data With Frequency Nonlinear Chirp Scaling. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 23-27.	3.1	37
79	Improved Signal Reconstruction Algorithm for Multichannel SAR Based on the Doppler Spectrum Estimation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1425-1442.	4.9	36
80	Cartesian Factorized Backprojection Algorithm for High-Resolution Spotlight SAR Imaging. IEEE Sensors Journal, 2018, 18, 1160-1168.	4.7	36
81	Water Body Detection in High-Resolution SAR Images With Cascaded Fully-Convolutional Network and Variable Focal Loss. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 316-332.	6.3	36
82	Extended NCS Based on Method of Series Reversion for Imaging of Highly Squinted SAR. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 446-450.	3.1	35
83	A Novel Method for Imaging of Group Targets Moving in a Formation. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 221-231.	6.3	33
84	An Azimuth Frequency Non-Linear Chirp Scaling (FNCS) Algorithm for TOPS SAR Imaging With High Squint Angle. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 213-221.	4.9	33
85	A raw data simulator for Bistatic Forward-looking High-speed Maneuvering-platform SAR. Signal Processing, 2015, 117, 151-164.	3.7	32
86	Simultaneous Stationary Scene Imaging and Ground Moving Target Indication for High-Resolution Wide-Swath SAR System. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4224-4239.	6.3	32
87	An Azimuth-Dependent Phase Gradient Autofocus (APGA) Algorithm for Airborne/Stationary BiSAR Imagery. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1290-1294.	3.1	31
88	Sparse Regularization of Interferometric Phase and Amplitude for InSAR Image Formation Based on Bayesian Representation. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2123-2136.	6.3	31
89	An Improved Range Model and Omega-K-Based Imaging Algorithm for High-Squint SAR With Curved Trajectory and Constant Acceleration. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 656-660.	3.1	31
90	A Novel Image Fusion Method of Multi-Spectral and SAR Images for Land Cover Classification. Remote Sensing, 2020, 12, 3801.	4.0	31

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91	Enhanced-Random-Feature-Subspace-Based Ensemble CNN for the Imbalanced Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3988-3999.	4.9	31
92	Ground Cartesian Back-Projection Algorithm for High Squint Diving TOPS SAR Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5812-5827.	6.3	30
93	A Novel Moving Target Imaging Algorithm for HRWS SAR Based on Local Maximum-Likelihood Minimum Entropy. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5333-5348.	6.3	29
94	Spaceborne Synthetic Aperture Radar Imaging Algorithms: An overview. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 161-184.	9.6	29
95	Radar Deception Jamming Recognition Based on Weighted Ensemble CNN With Transfer Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	29
96	Deramp Space-Time Adaptive Processing for Multichannel SAR Systems. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1448-1452.	3.1	28
97	SAR Target Configuration Recognition via Two-Stage Sparse Structure Representation. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2220-2232.	6.3	28
98	The Space-Variant Phase-Error Matching Map-Drift Algorithm for Highly Squinted SAR. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 845-849.	3.1	27
99	Squinted TOPS SAR Imaging Based on Modified Range Migration Algorithm and Spectral Analysis. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1707-1711.	3.1	27
100	Precise Cross-Range Scaling for ISAR Images Using Feature Registration. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1792-1796.	3.1	27
101	A TSVD-NCS Algorithm in Range-Doppler Domain for Geosynchronous Synthetic Aperture Radar. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1631-1635.	3.1	27
102	Cooperative Multitask Learning for Sparsity-Driven SAR Imagery and Nonsystematic Error Autocalibration. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5132-5147.	6.3	27
103	Semi-supervised rotation forest based on ensemble margin theory for the classification of hyperspectral image with limited training data. Information Sciences, 2021, 575, 611-638.	6.9	26
104	A Lightweight Position-Enhanced Anchor-Free Algorithm for SAR Ship Detection. Remote Sensing, 2022, 14, 1908.	4.0	26
105	Unambiguous Reconstruction and High-Resolution Imaging for Multiple-Channel SAR and Airborne Experiment Results. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 102-106.	3.1	25
106	Narrow-band radar imaging of spinning targets. Science China Information Sciences, 2011, 54, 873-883.	4.3	25
107	Chirp scaling algorithm for GEO SAR based on fourth-order range equation. Electronics Letters, 2012, 48, 41.	1.0	25
108	Integration of Rotation Estimation and High-Order Compensation for Ultrahigh-Resolution Microwave Photonic ISAR Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2095-2115.	6.3	25

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109	A Pixel Cluster CNN and Spectral-Spatial Fusion Algorithm for Hyperspectral Image Classification With Small-Size Training Samples. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4101-4114.	4.9	25
110	Deep Learning-Based Branch-Cut Method for InSAR Two-Dimensional Phase Unwrapping. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	25
111	An Improved SAC Algorithm Based on the Range-Keystone Transform for Doppler Rate Estimation. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 741-745.	3.1	24
112	Sparse Subband Imaging of Space Targets in High-Speed Motion. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4144-4154.	6.3	24
113	A High-Order Phase Correction Approach for Focusing HS-SAR Small-Aperture Data of High-Speed Moving Platforms. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4551-4561.	4.9	24
114	A Real-Time Imaging Algorithm Based on Sub-Aperture CS-Dechirp for GF3-SAR Data. Sensors, 2018, 18, 2562.	3.8	24
115	Logarithm bispectrum-based approach to radar range profile for automatic target recognition. Pattern Recognition, 2002, 35, 2643-2651.	8.1	23
116	A Matched-Filter-Bank-Based 3-D Imaging Algorithm for Rapidly Spinning Targets. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2106-2113.	6.3	23
117	A Robust Imaging Algorithm for Squint Mode Multi-Channel High-Resolution and Wide-Swath SAR With Hybrid Baseline and Fluctuant Terrain. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1583-1598.	10.8	23
118	PU-GAN: A One-Step 2-D InSAR Phase Unwrapping Based on Conditional Generative Adversarial Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	23
119	On the aspect sensitivity of high resolution range profiles and its reduction methods. , 0, , .		22
120	A Novel Motion Compensation Approach for Airborne Spotlight SAR of High-Resolution and High-Squint Mode. IEEE Geoscience and Remote Sensing Letters, 2016, , 1-5.	3.1	22
121	A Modified ω & k Algorithm for HS-SAR Small-Aperture Data Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3710-3721.	6.3	22
122	Processing of Bistatic SAR Data With Nonlinear Trajectory Using a Controlled-SVD Algorithm. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5750-5759.	4.9	22
123	Single Range Matching Filtering for Space Debris Radar Imaging. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 576-580.	3.1	21
124	A Modified CSA Based on Joint Time-Doppler Resampling for MEO SAR Stripmap Mode. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3573-3586.	6.3	21
125	Transient interference excision and spectrum reconstruction for OTHR. Electronics Letters, 2012, 48, 42.	1.0	20
126	Three-dimensional interferometric inverse synthetic aperture radar imaging with limited pulses by exploiting joint sparsity. IET Radar, Sonar and Navigation, 2015, 9, 692-701.	1.8	20

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127	A Parameter Optimization Model for Geosynchronous SAR Sensor in Aspects of Signal Bandwidth and Integration Time. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 1374-1378.	3.1	20
128	Thorough Understanding Property of Bistatic Forward-Looking High-Speed Maneuvering Platform SAR. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2017, 53, 1826-1845.	4.7	20
129	Maneuvering target imaging and scaling by using sparse inverse synthetic aperture. <i>Signal Processing</i> , 2017, 137, 149-159.	3.7	20
130	A Frequency-Domain Imaging Algorithm for Translational Variant Bistatic Forward-Looking SAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 1502-1515.	6.3	20
131	DSDet: A Lightweight Densely Connected Sparsely Activated Detector for Ship Target Detection in High-Resolution SAR Images. <i>Remote Sensing</i> , 2021, 13, 2743.	4.0	20
132	Two-dimensional spectrum for MEO SAR processing using a modified advanced hyperbolic range equation. <i>Electronics Letters</i> , 2011, 47, 1043.	1.0	19
133	Sparse aperture inverse synthetic aperture radar imaging of manoeuvring targets with compensation of migration through range cells. <i>IET Radar, Sonar and Navigation</i> , 2014, 8, 1164-1176.	1.8	19
134	A Novel Mixed-Norm Multibaseline Phase-Unwrapping Algorithm Based on Linear Programming. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 1086-1090.	3.1	19
135	FPGA Implementation of Real-Time Compressive Sensing with Partial Fourier Dictionary. <i>International Journal of Antennas and Propagation</i> , 2016, 2016, 1-12.	1.2	19
136	Two-dimensional autofocus technique for high-resolution spotlight synthetic aperture radar. <i>IET Signal Processing</i> , 2016, 10, 699-707.	1.5	19
137	SVD-Based Ambiguity Function Analysis for Nonlinear Trajectory SAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 3072-3087.	6.3	19
138	Baseline Design for Multibaseline InSAR System: A Review. <i>IEEE Journal on Miniaturization for Air and Space Systems</i> , 2021, 2, 17-24.	2.7	19
139	A Variable-Decoupling- and MSR-Based Imaging Algorithm for a SAR of Curvilinear Orbit. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011, 8, 1145-1149.	3.1	18
140	Analysis of three-component decomposition to compact polarimetric synthetic aperture radar. <i>IET Radar, Sonar and Navigation</i> , 2014, 8, 685-691.	1.8	18
141	Joint approach of translational and rotational phase error corrections for high-resolution inverse synthetic aperture radar imaging using minimum-entropy. <i>IET Radar, Sonar and Navigation</i> , 2016, 10, 586-594.	1.8	18
142	A Novel Doppler Chirp Rate and Baseline Estimation Approach in the Time Domain Based on Weighted Local Maximum-Likelihood for an MC-HRWS SAR System. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 299-303.	3.1	18
143	Full-Aperture Focusing of Very High Resolution Spaceborne-Squinted Sliding Spotlight SAR Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 3309-3321.	6.3	18
144	Focusing Improvement of Curved Trajectory Spaceborne SAR Based on Optimal LRWC Preprocessing and 2-D Singular Value Decomposition. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 4246-4258.	6.3	18

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145	CANet: An Unsupervised Deep Convolutional Neural Network for Efficient Cluster-Analysis-Based Multibaseline InSAR Phase Unwrapping. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	18
146	Translational motion compensation and instantaneous imaging of ISAR maneuvering target. , 2001, , .		17
147	An Analytical Resolution Evaluation Approach for Bistatic GEOSAR Based on Local Feature of Ambiguity Function. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2159-2169.	6.3	17
148	High-Speed Maneuvering Platforms Squint Beam-Steering SAR Imaging Without Subaperture. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6974-6985.	6.3	17
149	EFTL: Complex Convolutional Networks With Electromagnetic Feature Transfer Learning for SAR Target Recognition. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	17
150	Microwave Correlation Forward-Looking Super-Resolution Imaging Based on Compressed Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8326-8337.	6.3	17
151	A Low Sidelobe Deceptive Jamming Suppression Beamforming Method With a Frequency Diverse Array. IEEE Transactions on Antennas and Propagation, 2022, 70, 4884-4889.	5.1	17
152	A New Algorithm for Sparse Aperture Interpolation. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 480-484.	3.1	16
153	A New Look at the Bistatic-to-Monostatic Conversion for Tandem SAR Image Formation. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 392-395.	3.1	16
154	Generating dense and super-resolution ISAR image by combining bandwidth extrapolation and compressive sensing. Science China Information Sciences, 2011, 54, 2158-2169.	4.3	16
155	A Two-Dimensional Beam-Steering Method to Simultaneously Consider Doppler Centroid and Ground Observation in GEOSAR. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 161-167.	4.9	16
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