

# Alberto Moreira

## List of Publications by Year in descending order

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241  
papers

12,561  
citations

57758

44  
h-index

33894

99  
g-index

247  
all docs

247  
docs citations

247  
times ranked

5074  
citing authors

#	ARTICLE	IF	CITATIONS
1	MirrorSAR: An HRWS Add-On for Single-Pass Multi-Baseline SAR Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	16
2	Autofocus-Based Estimation of Penetration Depth and Permittivity of Ice Volumes and Snow Using Single SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	3
3	On-Ground RFI Mitigation for Spaceborne Multichannel SAR Systems Using Auxiliary Beams. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	5
4	Sampling Analysis and Processing Approach for Distributed SAR Constellations With Along-Track Baselines. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	6
5	Errata for "Autofocus-Based Estimation of Penetration Depth and Permittivity of Ice Volumes and Snow Using Single SAR Images". IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-1.	6.3	1
6	Slow Pulse Repetition Interval Variation for High-Resolution Wide-Swath SAR Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5665-5686.	6.3	7
7	Error Analysis for Digital Beamforming Synthetic Aperture Radars: A Comparison of Phased Array and Array-Fed Reflector Systems. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6314-6322.	6.3	8
8	TanDEM-X: 10 Years of Formation Flying Bistatic SAR Interferometry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3546-3565.	4.9	36
9	IGARSS 2020 Virtual Symposium: Impressions From the First Days [Conference Reports]. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 8-16.	9.6	0
10	German Spaceborne SAR Missions. , 2021, , .		7
11	Digital Beamforming for Spaceborne Reflector-Based Synthetic Aperture Radar, Part 1: Basic imaging modes. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 8-25.	9.6	15
12	Airborne Sar Experiment to Simulate Geosynchronous Hydroterra Data and Investigate the Detection of Diurnal Changes. , 2021, , .		0
13	Tandem-X: Mission and Science. , 2021, , .		1
14	German X-Band Spaceborne SAR Heritage and the Future HRWS Mission. , 2021, , .		5
15	On a Dual PRI Pulse Sequence Mode for High-Resolution Wide-Swath SAR Imaging. , 2021, , .		2
16	A Novel Processing Technique to Suppress Nadir Returns in Staggered Synthetic Aperture Radar. , 2021, , .		2
17	MEO SAR: System Concepts and Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1313-1324.	6.3	14
18	Simultaneous Single-/Dual- and Quad-Pol SAR Imaging Over Swaths of Different Widths. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2096-2103.	6.3	5

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19	The High-Resolution Digital-Beamforming Airborne SAR System DBFSAR. Remote Sensing, 2020, 12, 1710.	4.0	15
20	Azimuth Reconstruction Algorithm for Multistatic SAR Formations With Large Along-Track Baselines. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1931-1940.	6.3	24
21	Polychromatic Time Domain Reconstruction Approach for Along-track Multistatic SAR Constellations with Varying PRI. , 2020, , .		1
22	Investigation into the Weight Update Rate for Scan-On-Receive Beamforming. , 2020, , .		4
23	Concepts and Applications of Multi-static MirrorSAR Systems. , 2020, , .		2
24	TanDEM-X: 10 Years of Operation. , 2020, , .		1
25	NewSpace SAR: Disruptive Concepts for Cost-Effective Earth Observation Missions. , 2020, , .		1
26	Multichannel Staggered SAR: System Concepts With Reflector and Planar Antennas. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 877-902.	4.7	18
27	The legacy of the SIR-C/X-SAR radar system: 25 years on. Remote Sensing of Environment, 2019, 231, 111255.	11.0	16
28	Spaceborne Demonstration of Distributed SAR Imaging With TerraSAR-X and TanDEM-X. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1731-1735.	3.1	26
29	IGARSS in Yokohama, Japan: Impressions From the First Days [Conference Reports]. IEEE Geoscience and Remote Sensing Magazine, 2019, 7, 8-19.	9.6	0
30	The 2-Look TOPS Mode: Design and Demonstration With TerraSAR-X. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7682-7703.	6.3	5
31	Coherence-based SAR tomography for spaceborne applications. Remote Sensing of Environment, 2019, 225, 107-114.	11.0	10
32	Ten Years of TerraSAR-X Scientific Results. Remote Sensing, 2019, 11, 364.	4.0	4
33	Addressing the Terrain Topography in Distributed SAR Imaging. , 2019, , .		4
34	Doppler Based Azimuth Reconstruction Algorithm for Multistatic SAR Formations in High Resolution Wide Swath Mode. , 2019, , .		3
35	Tandem-X: Mission Status and Science Activities. , 2019, , .		4
36	A Novel Imaging Mode for Simultaneous Single-/Dual- and Quad-Pol SAR Acquisition over Swaths of Different Widths. , 2019, , .		1

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37	On the use of Time-Domain SAR Focusing in Spaceborne SAR Missions. , 2019, , .		5
38	Multichannel Staggered SAR Azimuth Processing. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2772-2788.	6.3	30
39	Generation of Highly Accurate DEMs Over Flat Areas by Means of Dual-Frequency and Dual-Baseline Airborne SAR Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4361-4390.	6.3	20
40	The global forest/non-forest map from TanDEM-X interferometric SAR data. Remote Sensing of Environment, 2018, 205, 352-373.	11.0	122
41	An Analytical Error Model for Spaceborne SAR Multichannel Azimuth Reconstruction. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 853-857.	3.1	18
42	Nadir Echo Removal in Synthetic Aperture Radar via Waveform Diversity and Dual-Focus Postprocessing. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 719-723.	3.1	33
43	IGARSS in Valencia, Spain: Impressions from the First Days [Conference Reports]. IEEE Geoscience and Remote Sensing Magazine, 2018, 6, 63-73.	9.6	1
44	Tandem-L: Project Status and Main Findings of the Phase B1 Study. , 2018, , .		7
45	A New Slow PRI Variation Scheme for Multichannel SAR High-Resolution Wide-Swath Imaging. , 2018, , .		9
46	Prof. Wolfgang-Martin Boerner (1937-2018) [In Memoriam]. IEEE Geoscience and Remote Sensing Magazine, 2018, 6, 99-100.	9.6	0
47	Investigations on the Reconstruction of Multistatic Large Along-Track SAR Constellations for HRWS Imaging. , 2018, , .		4
48	Monitoring dynamic processes on the earth's surface using synthetic aperture radar. , 2018, , .		4
49	Analysis of Geometrical Approximations in Signal Reconstruction Methods for Multistatic SAR Constellations With Large Along-Track Baseline. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 892-896.	3.1	15
50	Tandem-L: A Technical Perspective on Future Spaceborne SAR Sensors for Earth Observation. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4792-4807.	6.3	75
51	Advanced spaceborne SAR systems with planar antenna. , 2017, , .		15
52	New Insights Into Ambiguities in Quad-Pol SAR. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3287-3308.	6.3	35
53	Staggered SAR: Performance Analysis and Experiments With Real Data. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6617-6638.	6.3	59
54	Generation and performance assessment of the global TanDEM-X digital elevation model. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 132, 119-139.	11.1	339

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55	Tandem-L observation concept - contributions and challenges of systematic monitoring of earth system dynamics. , 2017, , .		4
56	Modelling of tropospheric delays in geosynchronous synthetic aperture radar. Science China Information Sciences, 2017, 60, 1.	4.3	23
57	Reverse Backprojection Algorithm for the Accurate Generation of SAR Raw Data of Natural Scenes. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2072-2076.	3.1	8
58	Spaceborne demonstration of coherent SAR tomography for future companion satellite SAR missions. , 2017, , .		4
59	MirrorSAR: A fractionated space radar for bistatic, multistatic and high-resolution wide-swath SAR imaging. , 2017, , .		32
60	DBFSAR: An airborne very high-resolution digital beamforming SAR system. , 2017, , .		6
61	Companion SAR constellations for single-pass interferometric applications: The SESAME mission. , 2017, , .		12
62	Multichannel staggered SAR with reflector antennas: Discussion and proof of concept. , 2017, , .		1
63	The global TanDEM-X DEM " A unique data set. , 2017, , .		8
64	The TanDEM-X mission: A new measurement of the earth's topography and much more. , 2017, , .		1
65	Characterization of Snow Facies on the Greenland Ice Sheet Observed by TanDEM-X Interferometric SAR Data. Remote Sensing, 2017, 9, 315.	4.0	38
66	Multistatic SAR imaging: comparison of simulation results and experimental data. , 2017, , .		9
67	SESAME: A single-pass interferometric SEntinel-1 companion SAR mission for monitoring GEO- and biosphere dynamics. , 2017, , .		14
68	Analysis of geometrical approximations in signal reconstruction methods for multistatic large along-track baseline SAR constellations. , 2017, , .		0
69	End-to-end performance analysis of companion SAR missions. , 2017, , .		1
70	TanDEM-X. , 2017, , 525-554.		1
71	Onboard Processing for Data Volume Reduction in High-Resolution Wide-Swath SAR. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1173-1177.	3.1	21
72	Multi-baseline spaceborne SAR imaging. , 2016, , .		5

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73	Dedicated calibration concept for interferometric SAR companion missions. , 2016, , .		2
74	Aspects and challenges of cosar image formation. , 2016, , .		0
75	TanDEM-X mission status: The complete new topography of the Earth. , 2016, , .		4
76	International development of multi-band Pol-InSAR satellite sensors for protecting the flora and fauna as well as natural land and coastal environment within the equatorial belt of $+/\hat{a}^{\sim} 23.77^{\circ}$ , $+/\hat{a}^{\sim} 18^{\circ}$ , $+/\hat{a}^{\sim} 12^{\circ}$ and $+/\hat{a}^{\sim} 8^{\circ}$ Latitude. , 2016, , .		1
77	Wrapped Staring Spotlight SAR. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5745-5764.	6.3	7
78	First Airborne Demonstration of Holographic SAR Tomography With Fully Polarimetric Multicircular Acquisitions at L-Band. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6170-6196.	6.3	84
79	Exact reverse backprojection for SAR raw data generation of natural scenes. , 2016, , .		2
80	A Preliminary Study on SAR Advanced Information Retrieval and Scene Reconstruction. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1443-1447.	3.1	29
81	Tandem-L: Main results of the phase a feasibility study. , 2016, , .		6
82	Guest Editorial Foreword to the Special Issue on Synthetic Aperture Radar (SAR): New Techniques, Missions and Applications. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 967-970.	4.9	2
83	Correlating Synthetic Aperture Radar (CoSAR). IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2268-2284.	6.3	11
84	Impact of TEC gradients and higher-order ionospheric disturbances on spaceborne single-pass SAR interferometry. , 2015, , .		5
85	Data volume reduction in high-resolution wide-swath SAR systems. , 2015, , .		5
86	CEBRAS: Cross elevation beam range ambiguity suppression for high-resolution wide-swath and MIMO-SAR imaging. , 2015, , .		19
87	TanDEM-X: A single-pass SAR interferometer for global DEM generation and demonstration of new SAR techniques. , 2015, , .		1
88	Radar 2020: The future of radar systems. , 2015, , .		13
89	ALOS-Next/TanDEM-L: A highly innovative SAR mission for global observation of dynamic processes on the earth's surface. , 2015, , .		13
90	Polarimetric 3-D imaging with airborne holographic SAR tomography over glaciers. , 2015, , .		8

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91	Development of new multi-band equatorially orbiting POLinSAR satellite sensors system configurations for varying latitudinal coverage within total tropical belt: Invited group presentation for establishing an associated Consortium. , 2015, , .		0
92	Tandem-L: A Highly Innovative Bistatic SAR Mission for Global Observation of Dynamic Processes on the Earth's Surface. IEEE Geoscience and Remote Sensing Magazine, 2015, 3, 8-23.	9.6	224
93	Multi-baseline imaging: A vision for spaceborne SAR. , 2015, , .		3
94	A Reflector Antenna Concept Robust Against Feed Failures for Satellite Communications. IEEE Transactions on Antennas and Propagation, 2015, 63, 1218-1224.	5.1	6
95	A New Detection Algorithm for Coherent Scatterers in SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6293-6307.	6.3	27
96	On the Pulse Extension Loss in Digital Beamforming SAR. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1436-1440.	3.1	37
97	Advanced spaceborne SAR systems with array-fed reflector antennas. , 2015, , .		4
98	Ambiguities and image quality in staggered SAR. , 2015, , .		18
99	Signal-to-noise ratio gain in multi-channel SAR with digital beamforming. , 2015, , .		1
100	Reconstruction of Coherent Pairs of Synthetic Aperture Radar Data Acquired in Interrupted Mode. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1876-1893.	6.3	24
101	Spaceborne MIMO Synthetic Aperture Radar for Multimodal Operation. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2453-2466.	6.3	65
102	Doppler-Related Distortions in TOPS SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 25-35.	6.3	27
103	TanDEM-X: Das neue globale Höhenmodell der Erde. , 2015, , 1-30.		2
104	TanDEM-X mission status: The new topography of the earth takes shape. , 2014, , .		1
105	Multiple-input multiple-output circular SAR. , 2014, , .		4
106	A golden age for spaceborne SAR systems. , 2014, , .		21
107	Bistatic SAR image formation: A systematic approach. , 2014, , .		4
108	Tandem-L instrument design and SAR performance overview. , 2014, , .		10

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109	Staggered SAR: High-Resolution Wide-Swath Imaging by Continuous PRI Variation. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4462-4479.	6.3	169
110	On the Processing of Very High Resolution Spaceborne SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6003-6016.	6.3	135
111	TanDEM-X: The New Global DEM Takes Shape. IEEE Geoscience and Remote Sensing Magazine, 2014, 2, 8-23.	9.6	171
112	Polarimetric 3-D Reconstruction From Multicircular SAR at P-Band. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 803-807.	3.1	33
113	A Novel Processing Strategy for Staggered SAR. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1891-1895.	3.1	46
114	Fully Polarimetric High-Resolution 3-D Imaging With Circular SAR at L-Band. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3074-3090.	6.3	139
115	Correction to "Multichannel Azimuth Processing in ScanSAR and TOPS Mode Operation" [Jul 10 2994-3008]. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4611-4611.	6.3	2
116	Very-High-Resolution Airborne Synthetic Aperture Radar Imaging: Signal Processing and Applications. Proceedings of the IEEE, 2013, 101, 759-783.	21.3	222
117	A Novel OFDM Chirp Waveform Scheme for Use of Multiple Transmitters in SAR. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 568-572.	3.1	128
118	Bidirectional SAR Imaging Mode. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 601-614.	6.3	44
119	TanDEM-X: A radar interferometer with two formation-flying satellites. Acta Astronautica, 2013, 89, 83-98.	3.2	167
120	A Dual-Focus Reflector Antenna for Spaceborne SAR Systems With Digital Beamforming. IEEE Transactions on Antennas and Propagation, 2013, 61, 1461-1465.	5.1	5
121	A tutorial on synthetic aperture radar. IEEE Geoscience and Remote Sensing Magazine, 2013, 1, 6-43.	9.6	1,580
122	Estimation of Glacier Ice Extinction Using Long-Wavelength Airborne Pol-InSAR. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 3715-3732.	6.3	25
123	Reconstruction of missing data in interferometric SAR systems. , 2013, , .		3
124	TanDEM-X mission: Overview, challenges and status. , 2013, , .		1
125	Analysis and optimization of multi-circular SAR for fully polarimetric holographic tomography over forested areas. , 2013, , .		12
126	Cross-platform spaceborne Sar imaging: Demonstration using TanDEM-X. , 2013, , .		7



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127	First demonstration of 3-D holographic tomography with fully polarimetric multi-circular SAR at L-band. , 2013, , .		13
128	Estimation of tropospheric delays using synthetic aperture radar and squint diversity. , 2013, , .		5
129	TanDEM-X. , 2013, , 387-435.		5
130	Multistatic Radar Systems. , 2013, , 61-122.		9
131	Approach to velocity and acceleration measurement in the Bi-Directional SAR imaging mode. , 2012, , .		7
132	Bistatic SAR experiments with the TanDEM-X constellation. , 2012, , .		3
133	Polarimetric 3-D reconstruction from multicircular SAR at P-band. , 2012, , .		6
134	High precision SAR focusing of TerraSAR-X experimental staring spotlight data. , 2012, , .		28
135	The earth seen from space by radar remote sensing - a vision for 2025. , 2012, , .		0
136	Technology Time Machine 2012 - Paving the path for the future technology developments [includes 9 white papers]. , 2012, , .		0
137	Spaceborne Reflector SAR Systems with Digital Beamforming. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 3473-3493.	4.7	61
138	Staggered-SAR for high-resolution wide-swath imaging. , 2012, , .		13
139	MIMO-SAR and the orthogonality confusion. , 2012, , .		25
140	First Bistatic Spaceborne SAR Experiments With TanDEM-X. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 33-37.	3.1	78
141	First 3-D Reconstructions of Targets Hidden Beneath Foliage by Means of Polarimetric SAR Tomography. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 60-64.	3.1	51
142	Polarimetric Decomposition Over Glacier Ice Using Long-Wavelength Airborne PolSAR. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 519-535.	6.3	39
143	TanDEM-X First DEM Acquisition: A Crossing Orbit Experiment. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 943-947.	3.1	19
144	Efficient Time-Domain Image Formation with Precise Topography Accommodation for General Bistatic SAR Configurations. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 2949-2966.	4.7	123

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145	Demonstration of SAR interferometry under crossing orbits using TerraSAR-X and TanDEM-X. , 2011, , .		2
146	Tandem-L: A mission proposal for monitoring dynamic earth processes. , 2011, , .		25
147	First bistatic spaceborne SAR experiments with TanDEM-X. , 2011, , .		3
148	Greetings from GRSS President. , 2010, , .		0
149	Processing of Sliding Spotlight and TOPS SAR Data Using Baseband Azimuth Scaling. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 770-780.	6.3	206
150	Bistatic TerraSAR-X/F-SAR Spaceborne&#x2013;Airborne SAR Experiment: Description, Data Processing, and Results. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 781-794.	6.3	126
151	Foreword to the Special Issue on TerraSAR-X: Mission, Calibration, and First Results. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 603-604.	6.3	3
152	Multichannel Azimuth Processing in ScanSAR and TOPS Mode Operation. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 2994-3008.	6.3	108
153	Interferometric Synthetic Aperture Radar (SAR) Missions Employing Formation Flying. Proceedings of the IEEE, 2010, 98, 816-843.	21.3	160
154	Signal: SAR for ice, glacier and global dynamics. , 2010, , .		11
155	Advanced digital beamforming concepts for future SAR systems. , 2010, , .		22
156	A concept for high performance reflector-based Synthetic Aperture Radar. , 2010, , .		3
157	Tandem-L: And innovative interferometric and polarimetric SAR mission to monitor earth system dynamics with high resolution. , 2010, , .		13
158	THE TanDEM-X Mission: Overview and status. , 2009, , .		8
159	First assessment of the permanent scatterer linear displacement model in airborne InSAR time series. , 2009, , .		4
160	Estimation of the Minimum Number of Tracks for SAR Tomography. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 531-543.	6.3	73
161	Foreword to the Special Issue on Retrieval of Bio- and Geophysical Parameters From SAR Data for Land Applications. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 379-380.	6.3	1
162	The tandem-L mission proposal: Monitoring earth's dynamics with high resolution SAR interferometry. , 2009, , .		41

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163	SweepSAR: Beam-forming on receive using a reflector-phased array feed combination for spaceborne SAR. , 2009, , .		103
164	Overview of the PolSARpro V4.0 software. the open source toolbox for polarimetric and interferometric polarimetric SAR data processing. , 2009, , .		31
165	Digital Beamforming on Receive: Techniques and Optimization Strategies for High-Resolution Wide-Swath SAR Imaging. IEEE Transactions on Aerospace and Electronic Systems, 2009, 45, 564-592.	4.7	428
166	Processing multiple SAR modes with baseband azimuth scaling. , 2009, , .		2
167	New processing approach and results for bistatic TerraSAR-X/F-SAR spaceborne-airborne experiments. , 2009, , .		3
168	Multidimensional Waveform Encoding: A New Digital Beamforming Technique for Synthetic Aperture Radar Remote Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 31-46.	6.3	338
169	An Autofocus Approach for Residual Motion Errors With Application to Airborne Repeat-Pass SAR Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3151-3162.	6.3	124
170	Advanced synthetic aperture radar based on digital beamforming and waveform diversity. , 2008, , .		47
171	Estimation of the Temporal Evolution of the Deformation Using Airborne Differential SAR Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1065-1078.	6.3	31
172	Advanced interferometric SAR techniques with TanDEM-X. , 2008, , .		4
173	Ultra Wide Swath Imaging with Multi-Channel ScanSAR. , 2008, , .		14
174	On the Minimum Number of Tracks for SAR Tomography. , 2008, , .		2
175	Bistatic spaceborne-airborne experiment TerraSAR-X/F-SAR: data processing and results. , 2008, , .		6
176	The TanDEM-X mission: an overview. , 2008, , .		6
177	PolSARpro v3.3: The Educational Toolbox for Polarimetric and Interferometric Polarimetric SAR Data Processing. , 2008, , .		2
178	Advanced D-InSAR techniques applied to a time series of airborne SAR data. , 2007, , .		1
179	Foreword to the Special Issue on Synthetic Aperture Radar (SAR) Technologies and Techniques. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 3303-3305.	6.3	3
180	A SAR processing algorithm for TOPS imaging mode based on extended chirp scaling. , 2007, , .		11

#	ARTICLE	IF	CITATIONS
181	An autofocus approach for residual motion errors with application to airborne repeat-pass SAR interferometry. , 2007, , .		4
182	Multidimensional radar waveforms a new paradigm for the design and operation of highly performant spaceborne synthetic aperture radar systems. , 2007, , .		8
183	A novel optimization approach to forest height reconstruction from multi-baseline data. , 2007, , .		2
184	Multidimensional waveform encoding for synthetic aperture radar remote sensing. , 2007, , .		5
185	The TanDEM-X mission: A satellite formation for high-resolution SAR interferometry. , 2007, , .		35
186	Multidimensional waveform encoding for spaceborne synthetic aperture radar systems. , 2007, , .		8
187	TanDEM-X: A Satellite Formation for High-Resolution SAR Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 3317-3341.	6.3	1,244
188	The TanDEM-X mission: Overview and status. , 2007, , .		11
189	Digital beamforming and multidimensional waveform encoding for spaceborne radar remote sensing. , 2007, , .		3
190	TANDEM-X: a satellite formation for high-resolution SAR interferometry. , 2007, , .		3
191	Digital Beamforming for HRWS-SAR Imaging: System Design, Performance and Optimization Strategies. , 2006, , .		25
192	Polarimetric and interferometric characterization of coherent scatterers in urban areas. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 971-984.	6.3	101
193	Foreword to the Special Issue on the Retrieval of Bio- and Geophysical Parameters from SAR Data for Land Applications. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 755-756.	6.3	0
194	Spaceborne bi- and multistatic SAR: potential and challenges. IET Radar, Sonar & Navigation, 2006, 153, 184.	2.1	250
195	Extended wavenumber-domain synthetic aperture radar focusing with integrated motion compensation. IET Radar, Sonar & Navigation, 2006, 153, 301.	2.1	145
196	Estimation of the Deformation Temporal Evolution Using Airborne Differential SAR Interferometry. , 2006, , .		2
197	Characterisation of Coherent Scatterers in Urban Areas by Means of Angular Diversity. , 2006, , .		1
198	The TanDEM-X Mission Concept. , 2006, , .		20

#	ARTICLE	IF	CITATIONS
199	TanDEM-X: A Satellite Formation for High Resolution Radar Interferometry. , 2006, , .		3
200	PolSARpro v2.0: the versatile polarimetric and interferometric SAR data processing toolbox. , 2005, , .		0
201	Unambiguous SAR Signal Reconstruction From Nonuniform Displaced Phase Center Sampling. IEEE Geoscience and Remote Sensing Letters, 2004, 1, 260-264.	3.1	485
202	Analysis of multistatic configurations for spaceborne SAR interferometry. IET Radar, Sonar & Navigation, 2003, 150, 87.	2.1	74
203	Sector imaging radar for enhanced vision. Aerospace Science and Technology, 2003, 7, 147-158.	4.8	46
204	Spaceborne Synthetic Aperture Radar (SAR) Systems: State of the Art and Future Developments. , 2003, , .		10
205	Comparison of chirp scaling and wavenumber domain algorithms for airborne low-frequency SAR. , 2003, , .		5
206	Sub-aperture algorithm for motion compensation improvement in wide-beam SAR data processing. Electronics Letters, 2001, 37, 1405.	1.0	47
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