

David G Long

List of Publications by Year in descending order

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212
papers

5,536
citations

94433

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128289

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docs citations

217
times ranked

3563
citing authors

#	ARTICLE	IF	CITATIONS
1	An empirical algorithm to map perennial firn aquifers and ice slabs within the Greenland Ice Sheet using satellite L-band microwave radiometry. <i>Cryosphere</i> , 2022, 16, 103-125.	3.9	21
2	Mapping Firn Saturation Over Greenland Using NASA's Soil Moisture Active Passive Satellite. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 3714-3729.	4.9	5
3	A global urban microwave backscatter time series data set for 1993-2020 using ERS, QuikSCAT, and ASCAT data. <i>Scientific Data</i> , 2022, 9, 88.	5.3	7
4	Resolution Enhancement of SMAP Passive Soil Moisture Estimates. <i>Remote Sensing</i> , 2022, 14, 1761.	4.0	2
5	Reconstructing Signals from Aperture-Filtered Samples. <i>American Mathematical Monthly</i> , 2022, 129, 35-51.	0.3	0
6	Discrete Band-Limited Signal Reconstruction From Irregular Samples. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 4033-4043.	6.3	2
7	Global L-band Observatory for Water Cycle Studies (GLOWS)., 2021, , .		2
8	Miniaturized Solutions for CubeSat Servicing and Safety Requirements. <i>IEEE Journal on Miniaturization for Air and Space Systems</i> , 2020, 1, 3-9.	2.7	10
9	Ultrahigh Resolution Scatterometer Winds near Hawaii. <i>Remote Sensing</i> , 2020, 12, 564.	4.0	2
10	Brief communication: Mapping Greenland's perennial firn aquifers using enhanced-resolution L-band brightness temperature image time series. <i>Cryosphere</i> , 2020, 14, 2809-2817.	3.9	17
11	Systematic Scatterometer Wind Errors Near Coastal Mountains. <i>Earth and Space Science</i> , 2019, 6, 1900-1914.	2.6	4
12	Scatterometer Backscatter Imaging Using Backus-Gilbert Inversion. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 3179-3190.	6.3	5
13	Enhanced-Resolution SMAP Brightness Temperature Image Products. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 4151-4163.	6.3	36
14	Improved Ultrahigh-Resolution Wind Retrieval for RapidScat. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 3370-3379.	6.3	2
15	The Winds and Currents Mission Concept. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	51
16	Space of solutions to ocean surface wind measurement using scatterometer constellations. <i>Journal of Applied Remote Sensing</i> , 2019, 13, 1.	1.3	1
17	Passive CubeSats for remote inspection of space vehicles. <i>Journal of Applied Remote Sensing</i> , 2019, 13, 1.	1.3	3
18	Guest Editorial Special Issue on Marine and Maritime Radar Remote Sensing. <i>IEEE Journal of Oceanic Engineering</i> , 2018, 43, 3-6.	3.8	0

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19	A Comprehensive Database for Antarctic Iceberg Tracking Using Scatterometer Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 434-442.	4.9	38
20	Best Practices in Crafting the Calibrated, Enhanced-Resolution Passive-Microwave EASE-Grid 2.0 Brightness Temperature Earth System Data Record. Remote Sensing, 2018, 10, 1793.	4.0	13
21	Architectures for Earth-observing CubeSat scatterometers. , 2018, , .		1
22	Comparison of SeaWinds Backscatter Imaging Algorithms. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2214-2231.	4.9	18
23	Polar Applications of Spaceborne Scatterometers. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2307-2320.	4.9	36
24	Evaluating and Extending the Ocean Wind Climate Data Record. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2165-2185.	4.9	51
25	Extension of the QuikSCAT Sea Ice Extent Data Set With OSCAT Data. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 92-96.	3.1	4
26	Estimating Global Ecosystem Isohydry/Anisohydry Using Active and Passive Microwave Satellite Data. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 3306-3321.	3.0	34
27	Enhanced-resolution SMAP soil moisture using image reconstruction. , 2017, , .		2
28	Leveraging metadata conventions to improve usability of an ease-grid 2.0 passive microwave data product. , 2017, , .		3
29	Ground-Based 3D Radar Imaging of Trees Using a 2D Synthetic Aperture. Electronics (Switzerland), 2017, 6, 11.	3.1	9
30	Multiyear Arctic Ice Classification Using ASCAT and SSMIS. Remote Sensing, 2016, 8, 294.	4.0	30
31	ASCAT and QuikSCAT Azimuth Modulation of Backscatter Over East Antarctica. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1134-1138.	3.1	5
32	Analysis and Validation of High-Resolution Wind From ASCAT. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5699-5711.	6.3	20
33	A Parameterized ASCAT Measurement Spatial Response Function. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4570-4579.	6.3	16
34	High-Resolution Soil Moisture Retrieval With ASCAT. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 972-976.	3.1	17
35	Multiyear Arctic Sea Ice Classification Using OSCAT and QuikSCAT. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 167-175.	6.3	36
36	Enhanced-Resolution Reconstruction of ASCAT Backscatter Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2589-2601.	6.3	39

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37	Band-Limited Signal Reconstruction From Irregular Samples With Variable Apertures. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2424-2436.	6.3	15
38	Calibration and Validation of the RapidScat Scatterometer Using Tropical Rainforests. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2846-2854.	6.3	29
39	RapidScat Diurnal Cycles Over Land. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3336-3344.	6.3	21
40	Optimum Image Formation for Spaceborne Microwave Radiometer Products. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2763-2779.	6.3	61
41	Backprojection SAR interferometry. International Journal of Remote Sensing, 2015, 36, 979-999.	2.9	4
42	Analysis of time-domain back-projection for stripmap SAR. International Journal of Remote Sensing, 2015, 36, 2010-2036.	2.9	21
43	Satellite radar anisotropy observed in urban areas. International Journal of Remote Sensing, 2015, 36, 665-679.	2.9	2
44	Generalized Frequency Scaling and Backprojection for LFM-CW SAR Processing. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3600-3614.	6.3	38
45	Analysis of Multistatic Pixel Correlation in SAR. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 362-374.	6.3	5
46	Processing for UWB LFM-CW SAR. , 2014, , .		1
47	A Decade of QuikSCAT Scatterometer Sea Ice Extent Data. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4281-4290.	6.3	37
48	Estimation of the OSCAT Spatial Response Function Using Island Targets. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1924-1934.	6.3	12
49	Mitigation of Sea Ice Contamination in QuikSCAT Wind Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2149-2158.	6.3	5
50	GPU Processing for UAS-Based LFM-CW Stripmap SAR. Photogrammetric Engineering and Remote Sensing, 2014, 80, 1107-1115.	0.6	21
51	Calibration, Scatterometers. Encyclopedia of Earth Sciences Series, 2014, , 54-58.	0.1	0
52	Radio Frequencies: Policy and Management. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4918-4927.	6.3	9
53	Considerations for Ku-Band Scatterometer Calibration Using the Dry-Snow Zone of the Greenland Ice Sheet. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1344-1349.	3.1	4
54	Short surface waves in the Canadian Arctic in 2007 and 2008. Journal of Geophysical Research: Oceans, 2013, 118, 3712-3722.	2.6	3

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55	Prior Selection for QuikSCAT Ultra-High Resolution Wind and Rain Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1555-1567.	6.3	4
56	Tropical Cyclone Morphology from Spaceborne Synthetic Aperture Radar. Bulletin of the American Meteorological Society, 2013, 94, 215-230.	3.3	134
57	SAR imaging of Arctic Sea Ice from an unmanned aircraft as part of the MIZOPEX project. , 2013, , .		2
58	Estimating Wind Stress at the Ocean Surface From Scatterometer Observations. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1129-1132.	3.1	8
59	Ocean surface response to hurricanes observed by SAR. , 2012, , .		2
60	Challenges to Satellite Sensors of Ocean Winds: Addressing Precipitation Effects. Journal of Atmospheric and Oceanic Technology, 2012, 29, 356-374.	1.3	64
61	Extent of low-accumulation 'wind glaze' areas on the East Antarctic plateau: implications for continental ice mass balance. Journal of Glaciology, 2012, 58, 633-647.	2.2	76
62	Mapping Surface Oil Extent From the Deepwater Horizon Oil Spill Using ASCAT Backscatter. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 2534-2541.	6.3	8
63	Multiyear Arctic Sea Ice Classification Using QuikSCAT. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3317-3326.	6.3	46
64	Islands of Ice: Influence of Free-Drifting Antarctic Icebergs on Pelagic Marine Ecosystems. Oceanography, 2012, 25, 38-39.	1.0	26
65	Simultaneous Wind and Rain Estimation for QuikSCAT at Ultra-High Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1865-1878.	6.3	23
66	A Reconstruction Approach to Scatterometer Wind Vector Field Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1850-1864.	6.3	6
67	M-ary Bayes Estimator Selection for QuikSCAT Simultaneous Wind and Rain Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4431-4444.	6.3	4
68	Developments in compact high-performance synthetic aperture radar systems for use on small Unmanned Aircraft. , 2011, , .		6
69	Iceberg size and orientation estimation using SeaWinds. Cold Regions Science and Technology, 2011, 69, 39-51.	3.5	12
70	Tracking large tabular icebergs using the SeaWinds Ku-band microwave scatterometer. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 1285-1300.	1.4	89
71	Determining Selected Tropical Cyclone Characteristics Using QuikSCAT's Ultra-High Resolution Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 857-869.	4.9	12
72	Reconstruction From Aperture-Filtered Samples With Application to Scatterometer Image Reconstruction. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1663-1676.	6.3	36

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73	Digital receiver design for an offset IF LFM-CW SAR. , 2011, , .		4
74	New results on the Omega-k algorithm for processing synthetic aperture radar data. , 2011, , .		0
75	Improved processing of the casie SAR data. , 2011, , .		8
76	Estimating surface oil extent from the Deepwater Horizon oil spill using ASCAT backscatter. , 2011, , .		0
77	Inferring Greenland melt and refreeze severity from SeaWinds scatterometer data. International Journal of Remote Sensing, 2011, 32, 8053-8080.	2.9	9
78	Utilizing the microASAR on the SIERRA UAS for NASA's characterization of Arctic Sea Ice Experiment. , 2010, , .		1
79	The microasar experiment on CASIE-09. , 2010, , .		9
80	Towards Bayesian estimator selection for QuikSCAT wind and rain estimation. , 2010, , .		1
81	Adapting the sir algorithm to ASCAT. , 2010, , .		10
82	Towards an improved wind and rain backscatter model for ASCAT. , 2010, , .		10
83	Iceberg size and orientation estimation using SeaWinds. , 2010, , .		1
84	Scatterometer image reconstruction from aperture-filtered samples. , 2010, , .		2
85	Use of compact synthetic aperture radar systems to assist with device detection and discrimination. Proceedings of SPIE, 2010, , .	0.8	1
86	Using the MicroASAR on the NASA SIERRA UAS in the Characterization of Arctic Sea Ice Experiment. , 2010, , .		14
87	The TropSat mission: An observatory for mesoscale convective system processes in the global tropics. , 2009, , .		0
88	The ultra high resolution QuikSCAT product. , 2009, , .		14
89	Spatial resolution enhancement of Cassini Titan Radar mapper data. , 2009, , .		1
90	Land-Contamination Compensation for QuikSCAT Near-Coastal Wind Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 839-850.	6.3	32

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91	A Wind and Rain Backscatter Model Derived From AMSR and SeaWinds Data. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 1595-1606.	6.3	28
92	Generalized Frequency-Domain SAR Processing. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 3761-3773.	6.3	30
93	Coastal Validation of Ultra-high Resolution Wind Vector Retrieval From QuikSCAT in the Gulf of Maine. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 413-417.	3.1	21
94	An Assessment of QuikSCAT Ku-Band Scatterometer Data for Soil Moisture Sensitivity. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 640-643.	3.1	28
95	Coherent multi-frequency-band resolution enhancement for synthetic aperture radar. , 2009, , .		0
96	Operational Use and Impact of Satellite Remotely Sensed Ocean Surface Vector Winds in the Marine Warning and Forecasting Environment. Oceanography, 2009, 22, 194-207.	1.0	26
97	Stokes Antenna Temperatures. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 516-527.	6.3	27
98	WindSat Passive Microwave Polarimetric Signatures of the Greenland Ice Sheet. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2622-2631.	6.3	25
99	Estimating sea ice area flux across the Canadian Arctic Archipelago using enhanced AMSR. Journal of Geophysical Research, 2008, 113, .	3.3	50
100	Analysis of Antarctic Iceberg and Sea Ice Melting Patterns using QuikSCAT. , 2008, , .		1
101	microASAR: A Small, Robust LFM-CW SAR for Operation on UAVs and Small Aircraft. , 2008, , .		32
102	Theory and Application of Motion Compensation for LFM-CW SAR. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2990-2998.	6.3	61
103	A C-Band Scatterometer Simultaneous Wind/Rain Retrieval Method. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3618-3631.	6.3	37
104	Estimation of Hurricane Winds From SeaWinds at Ultrahigh Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2924-2935.	6.3	21
105	Monitoring Changes in the Antarctic Ice Sheet from 1978 to 2007. , 2008, , .		3
106	Along-Track Resolution Enhancement Forwide-Bandwidth, Low-Frequency SAR by Accounting for the Wavelength Change over the Bandwidth. , 2008, , .		0
107	RADARSAT ScanSAR Wind Retrieval and Rain Effects on ScanSAR Measurements Under Hurricane Conditions. , 2008, , .		4
108	Effectiveness Of QuikSCAT's Ultra-High Resolution Images in Determining Tropical Cyclone Eye Location. , 2008, , .		2

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109	Optimal Estimation of Calibration Parameters in Polarimetric Microwave Radiometers. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3223-3237.	6.3	0
110	Spatial Resolution Enhancement of AMSR Tb Images based on Measurement Local Time of Day. , 2008, , .		1
111	Progress Toward Validation of Quikscat Ultra-High-Resolution Rain Rates using TRMM PR. , 2008, , .		4
112	Validation and Evaluation of QuikSCAT Ultra-High Resolution Wind Retrieval in the Gulf of Maine. , 2008, , .		1
113	Rain and Wind Estimation from Seawinds in Hurricanes at Ultra High Resolution. , 2008, , .		2
114	DUSTER: demonstration of an integrated LWIR-VNIR-SAR imaging system. Proceedings of SPIE, 2008, , .	0.8	1
115	Hurricane wind field estimation from seawinds at ultra high resolution. , 2007, , .		4
116	Full motion compensation for LFM-CW synthetic aperture radar. , 2007, , .		4
117	Simultaneous wind and rain retrieval for ERS scatterometer measurements. , 2007, , .		0
118	RADARSAT ScanSAR wind retrieval under hurricane conditions. Proceedings of SPIE, 2007, , .	0.8	2
119	Seasonal and interannual variations in Antarctic backscatter signature from 2000 to 2006 as observed by QuikSCAT. , 2007, , .		2
120	Spatial and Temporal Behavior of Microwave Backscatter Directional Modulation Over the Saharan Ergs. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 1164-1173.	6.3	5
121	A C-Band Wind/Rain Backscatter Model. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 621-631.	6.3	52
122	Polarization Rotation Correction in Radiometry: An Error Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 3212-3223.	6.3	1
123	Ultra-high-resolution near-coastal wind retrieval for QuikSCAT. , 2007, , .		3
124	Microwave Observations of Daily Antarctic Sea-Ice Edge Expansion and Contraction Rates. IEEE Geoscience and Remote Sensing Letters, 2006, 3, 54-58.	3.1	4
125	The BYU SAR: A Small, Student-Built SAR for UAV Operation. , 2006, , .		48
126	Comparison of methods for melt detection over Greenland using active and passive microwave measurements. International Journal of Remote Sensing, 2006, 27, 2469-2488.	2.9	88

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127	Melt Detection in Antarctic Ice Shelves Using Scatterometers and Microwave Radiometers. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 2461-2469.	6.3	29
128	Relating microwave backscatter azimuth modulation to surface properties of the Greenland ice sheet. Journal of Glaciology, 2006, 52, 257-266.	2.2	19
129	Diurnal Melt Detection on Arctic Sea Ice Using Tandem QuikSCAT and SeaWinds Data. , 2006, , .		1
130	WindSat Polarimetric View of Greenland. , 2006, , .		1
131	Polarization Rotation Correction in Radiometry: An Extended Error Analysis. , 2006, , .		1
132	An Improved High Resolution Wind Ambiguity Removal Procedure for SeaWinds. , 2006, , .		0
133	The Effect of Rain on ERS Scatterometer Measurements. , 2006, , .		0
134	A Large-Scale Ku-Band Backscatter Model of the East-Antarctic Megadune Fields. , 2006, , .		2
135	Ultra High Resolution Rain Retrieval from QuikSCAT Data. , 2006, , .		3
136	A Comparison of Hurricane Eye Determination using Standard and Ultra-High Resolution QuikSCAT Winds. , 2006, , .		4
137	Spatial resolution and processing tradeoffs for HYDROS: application of reconstruction and resolution enhancement techniques. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 3-12.	6.3	15
138	Microwave backscatter modeling of erg surfaces in the Sahara desert. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 238-247.	6.3	32
139	Observation and characterization of radar backscatter over Greenland. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 225-237.	6.3	26
140	Sea ice mapping method for SeaWinds. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 647-657.	6.3	43
141	Differentiation between melt and freeze stages of the melt cycle using SSM/I channel ratios. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 1317-1323.	6.3	17
142	Modeling microwave emissions of erg surfaces in the Sahara desert. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 2822-2830.	6.3	12
143	An analysis of SeaWinds-based rain retrieval in severe weather events. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 2870-2878.	6.3	17
144	Calibrating SeaWinds and QuikSCAT Scatterometers Using Natural Land Targets. IEEE Geoscience and Remote Sensing Letters, 2005, 2, 182-186.	3.1	22

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145	Wind speed effect on L-band brightness temperature inferred from EuroSTARRS and WISE 2001 field experiments. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 2206-2213.	6.3	38
146	Evaluating the effect of rain on SeaWinds scatterometer measurements. Journal of Geophysical Research, 2004, 109, .	3.3	98
147	Simultaneous wind and rain retrieval using SeaWinds data. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 1411-1423.	6.3	70
148	Correlation and covariance of satellite scatterometer measurements. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 1179-1187.	6.3	8
149	Assessing the quality of SeaWinds rain measurements. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 1424-1432.	6.3	13
150	Automatic detection and validity of the sea-ice edge: an application of enhanced-resolution QuikScat/SeaWinds data. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 1433-1443.	6.3	41
151	<title>Reconstruction of high-resolution ocean wind vectors from low-resolution scatterometer measurements</title>. , 2004, , .		3
152	High-resolution measurements with a spaceborne pencil-beam scatterometer using combined range/doppler discrimination techniques. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 567-581.	6.3	35
153	An advanced ambiguity selection algorithm for seawinds. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 538-547.	6.3	8
154	Large-scale inverse Ku-band backscatter modeling of sea ice. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 1821-1833.	6.3	18
155	The spatial response function of SeaWinds backscatter measurements. , 2003, , .		17
156	An improved simulation model for spaceborne scatterometer measurements. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 2692-2695.	6.3	7
157	Radar scatterometer observations of sastrugi on the great ice sheets. , 2003, , .		5
158	High-resolution wind retrieval for SeaWinds. , 2003, , .		0
159	Application of optical flow and scale space methods to sea ice motion in Antarctica. , 2003, 5155, 249.		4
160	Simultaneous wind and rain measurements from SeaWinds data. , 2003, , .		0
161	<title>SeaWinds quality assurance and applications</title>. , 2002, 4483, 93.		0
162	<title>SeaWinds applications for land and ice studies</title>. , 2002, , .		0

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163	<title>Model-based ground station calibration for SeaWinds on QuikSCAT</title>. , 2002, 4483, 117.		2
164	<title>Microwave backscatter over Greenland: changing with time</title>. , 2002, , .		0
165	Is the number of Antarctic icebergs really increasing?. Eos, 2002, 83, 469.	0.1	62
166	An assessment of SeaWinds on QuikSCAT wind retrieval. Journal of Geophysical Research, 2002, 107, 5-1-5-14.	3.3	44
167	Validation of sea ice motion from QuikSCAT with those from SSM/I and buoy. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 1241-1246.	6.3	43
168	Evaluation of a compound probability model with tower-mounted scatterometer data. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 42-49.	6.3	0
169	Global ice and land climate studies using scatterometer image data. Eos, 2001, 82, 503-503.	0.1	74
170	Greenland snow accumulation estimates from satellite radar scatterometer data. Journal of Geophysical Research, 2001, 106, 33935-33950.	3.3	76
171	Image reconstruction and enhanced resolution imaging from irregular samples. IEEE Transactions on Geoscience and Remote Sensing, 2001, 39, 291-302.	6.3	233
172	The onset of Arctic sea-ice snowmelt as detected with passive- and active-microwave remote sensing. Annals of Glaciology, 2001, 33, 85-93.	1.4	34
173	An iterative approach to multisensor sea ice classification. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 1843-1856.	6.3	33
174	Azimuth variation in microwave scatterometer and radiometer data over Antarctica. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 1857-1870.	6.3	85
175	A cloud-removal algorithm for SSM/I data. IEEE Transactions on Geoscience and Remote Sensing, 1999, 37, 54-62.	6.3	19
176	The probability density of spectral estimates based on modified periodogram averages. IEEE Transactions on Signal Processing, 1999, 47, 1255-1261.	5.3	48
177	An assessment of NSCAT ambiguity removal. Journal of Geophysical Research, 1999, 104, 11449-11457.	3.3	17
178	Sea ice extent mapping using Ku band scatterometer data. Journal of Geophysical Research, 1999, 104, 11515-11527.	3.3	78
179	NSCAT normalized radar backscattering coefficient biases using homogenous land targets. Journal of Geophysical Research, 1999, 104, 11557-11568.	3.3	15
180	Comparing Ku-band NSCAT scatterometer and ERS-2 altimeter winds. IEEE Transactions on Geoscience and Remote Sensing, 1999, 37, 1662-1670.	6.3	23

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181	Cryosphere applications of NSCAT data. IEEE Transactions on Geoscience and Remote Sensing, 1999, 37, 1671-1684.	6.3	79
182	Status of the SeaWinds scatterometer on QuikScat. , 1999, , .		1
183	Monitoring Bering Sea ice change using reconstructed NSCAT imagery. , 1999, , .		1
184	Spatial resolution enhancement of SSM/I data. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 407-417.	6.3	138
185	<title>Antarctic ice edge detection using NSCAT data</title>. , 1997, , .		1
186	<title>Wind field models and classification</title>. , 1997, 3117, 115.		0
187	<title>Wind scatterometry and the status of the NASA scatterometer</title>. , 1997, , .		0
188	<title>Quality assurance algorithm for NASA scatterometer wind retrieval</title>. , 1997, , .		0
189	<title>YSAR: a compact low-cost synthetic aperture radar</title>. , 1997, , .		0
190	<title>Enhanced-resolution ERS-1 scatterometer imaging with irregular samples</title>. , 1997, , .		1
191	<title>Wind measurement accuracy for the NASA scatterometer</title>. , 1997, , .		0
192	<title>Algorithms for field-wise scatterometer wind estimation</title>. , 1997, , .		0
193	Radar backscatter measurement accuracy for a spaceborne pencil-beam wind scatterometer with transmit modulation. IEEE Transactions on Geoscience and Remote Sensing, 1997, 35, 102-114.	6.3	36
194	Tradeoffs in the design of a spaceborne scanning pencil beam scatterometer: application to SeaWinds. IEEE Transactions on Geoscience and Remote Sensing, 1997, 35, 115-126.	6.3	89
195	Azimuthal modulation of C-band scatterometer σ^0 over Southern Ocean sea ice. IEEE Transactions on Geoscience and Remote Sensing, 1997, 35, 1201-1209.	6.3	30
196	Calibration of spaceborne scatterometers using tropical rain forests. IEEE Transactions on Geoscience and Remote Sensing, 1996, 34, 413-424.	6.3	62
197	Dependence of the normalized radar cross section of water waves on Bragg wavelength-wind speed sensitivity. IEEE Transactions on Geoscience and Remote Sensing, 1996, 34, 656-666.	6.3	22
198	Greenland ice-sheet surface properties observed by the Seasat-A scatterometer at enhanced resolution. Journal of Glaciology, 1994, 40, 213-230.	2.2	75

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