

David G Long

List of Publications by Year in descending order

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212
papers

5,536
citations

94433

37
h-index

128289

60
g-index

217
all docs

217
docs citations

217
times ranked

3563
citing authors

#	ARTICLE	IF	CITATIONS
1	Spaceborne radar measurement of wind velocity over the ocean-an overview of the NSCAT scatterometer system. Proceedings of the IEEE, 1991, 79, 850-866.	21.3	302
2	Image reconstruction and enhanced resolution imaging from irregular samples. IEEE Transactions on Geoscience and Remote Sensing, 2001, 39, 291-302.	6.3	233
3	Resolution enhancement of spaceborne scatterometer data. IEEE Transactions on Geoscience and Remote Sensing, 1993, 31, 700-715.	6.3	217
4	Spatial resolution enhancement of SSM/I data. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 407-417.	6.3	138
5	Tropical Cyclone Morphology from Spaceborne Synthetic Aperture Radar. Bulletin of the American Meteorological Society, 2013, 94, 215-230.	3.3	134
6	A median-filter-based ambiguity removal algorithm for NSCAT. IEEE Transactions on Geoscience and Remote Sensing, 1991, 29, 167-174.	6.3	117
7	Evaluating the effect of rain on SeaWinds scatterometer measurements. Journal of Geophysical Research, 2004, 109, .	3.3	98
8	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
9	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
10	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
11	Azimuth variation in microwave scatterometer and radiometer data over Antarctica. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 1857-1870.	6.3	85
12	Cryosphere applications of NSCAT data. IEEE Transactions on Geoscience and Remote Sensing, 1999, 37, 1671-1684.	6.3	79
13	Sea ice extent mapping using Ku band scatterometer data. Journal of Geophysical Research, 1999, 104, 11515-11527.	3.3	78
14	Greenland snow accumulation estimates from satellite radar scatterometer data. Journal of Geophysical Research, 2001, 106, 33935-33950.	3.3	76
15	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
16	Greenland ice-sheet surface properties observed by the Seasat-A scatterometer at enhanced resolution. Journal of Glaciology, 1994, 40, 213-230.	2.2	75
17	Global ice and land climate studies using scatterometer image data. Eos, 2001, 82, 503-503.	0.1	74
18	Simultaneous wind and rain retrieval using SeaWinds data. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 1411-1423.	6.3	70

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19	Challenges to Satellite Sensors of Ocean Winds: Addressing Precipitation Effects. Journal of Atmospheric and Oceanic Technology, 2012, 29, 356-374.	1.3	64
20	Calibration of spaceborne scatterometers using tropical rain forests. IEEE Transactions on Geoscience and Remote Sensing, 1996, 34, 413-424.	6.3	62
21	Is the number of Antarctic icebergs really increasing?. Eos, 2002, 83, 469.	0.1	62
22	Theory and Application of Motion Compensation for LFM-CW SAR. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2990-2998.	6.3	61
23	Optimum Image Formation for Spaceborne Microwave Radiometer Products. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2763-2779.	6.3	61
24	Vegetation studies of the Amazon basin using enhanced resolution Seasat scatterometer data. IEEE Transactions on Geoscience and Remote Sensing, 1994, 32, 449-460.	6.3	57
25	A C-Band Wind/Rain Backscatter Model. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 621-631.	6.3	52
26	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
27	The Winds and Currents Mission Concept. Frontiers in Marine Science, 2019, 6, .	2.5	51
28	Estimating sea ice area flux across the Canadian Arctic Archipelago using enhanced AMSR-2. Journal of Geophysical Research, 2008, 113, .	3.3	50
29	The probability density of spectral estimates based on modified periodogram averages. IEEE Transactions on Signal Processing, 1999, 47, 1255-1261.	5.3	48
30	The BYU SAR: A Small, Student-Built SAR for UAV Operation. , 2006, , .		48
31	Multiyear Arctic Sea Ice Classification Using QuikSCAT. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3317-3326.	6.3	46
32	Greenland ice-sheet surface properties observed by the Seasat-A scatterometer at enhanced resolution. Journal of Glaciology, 1994, 40, 213-230.	2.2	45
33	Identifiability in wind estimation from scatterometer measurements. IEEE Transactions on Geoscience and Remote Sensing, 1991, 29, 268-276.	6.3	44
34	An assessment of SeaWinds on QuikSCAT wind retrieval. Journal of Geophysical Research, 2002, 107, 5-1-5-14.	3.3	44
35	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
36	Sea ice mapping method for SeaWinds. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 647-657.	6.3	43

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37	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
38	Enhanced-Resolution Reconstruction of ASCAT Backscatter Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2589-2601.	6.3	39
39	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
40	Generalized Frequency Scaling and Backprojection for LFM-CW SAR Processing. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3600-3614.	6.3	38
41	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
42	A C-Band Scatterometer Simultaneous Wind/Rain Retrieval Method. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3618-3631.	6.3	37
43	A Decade of QuikSCAT Scatterometer Sea Ice Extent Data. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4281-4290.	6.3	37
44	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
45	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
46	Multiyear Arctic Sea Ice Classification Using OSCAT and QuikSCAT. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 167-175.	6.3	36
47	Polar Applications of Spaceborne Scatterometers. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2307-2320.	4.9	36
48	Enhanced-Resolution SMAP Brightness Temperature Image Products. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4151-4163.	6.3	36
49	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
50	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
51	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
52	An iterative approach to multisensor sea ice classification. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 1843-1856.	6.3	33
53	Microwave backscatter modeling of erg surfaces in the Sahara desert. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 238-247.	6.3	32
54	microASAR: A Small, Robust LFM-CW SAR for Operation on UAVs and Small Aircraft. , 2008, , .		32

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55	Land-Contamination Compensation for QuikSCAT Near-Coastal Wind Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 839-850.	6.3	32
56	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
57	Generalized Frequency-Domain SAR Processing. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 3761-3773.	6.3	30
58	Multiyear Arctic Ice Classification Using ASCAT and SSMIS. Remote Sensing, 2016, 8, 294.	4.0	30
59	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
60	Calibration and Validation of the RapidScat Scatterometer Using Tropical Rainforests. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2846-2854.	6.3	29
61	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
62	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
63	Stokes Antenna Temperatures. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 516-527.	6.3	27
64	Observation and characterization of radar backscatter over Greenland. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 225-237.	6.3	26
65	Islands of Ice: Influence of Free-Drifting Antarctic Icebergs on Pelagic Marine Ecosystems. Oceanography, 2012, 25, 38-39.	1.0	26
66	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
67	The design of an onboard digital Doppler processor for a spaceborne scatterometer. IEEE Transactions on Geoscience and Remote Sensing, 1988, 26, 869-878.	6.3	25
68	WindSat Passive Microwave Polarimetric Signatures of the Greenland Ice Sheet. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2622-2631.	6.3	25
69	Comparing Ku-band NSCAT scatterometer and ERS-2 altimeter winds. IEEE Transactions on Geoscience and Remote Sensing, 1999, 37, 1662-1670.	6.3	23
70	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
71	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
72	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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73	Model-based estimation of wind fields over the ocean from wind scatterometer measurements. I. Development of the wind field model. IEEE Transactions on Geoscience and Remote Sensing, 1990, 28, 349-360.	6.3	21
74	Estimation of Hurricane Winds From SeaWinds at Ultrahigh Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2924-2935.	6.3	21
75	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
76	GPU Processing for UAS-Based LFM-CW Stripmap SAR. Photogrammetric Engineering and Remote Sensing, 2014, 80, 1107-1115.	0.6	21
77	Analysis of time-domain back-projection for stripmap SAR. International Journal of Remote Sensing, 2015, 36, 2010-2036.	2.9	21
78	RapidScat Diurnal Cycles Over Land. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3336-3344.	6.3	21
79	An empirical algorithm to map perennial firn aquifers and ice slabs within the Greenland Ice Sheet using satellite L-band microwave radiometry. Cryosphere, 2022, 16, 103-125.	3.9	21
80	Analysis and Validation of High-Resolution Wind From ASCAT. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5699-5711.	6.3	20
81	Wind field model-based estimation of Seasat scatterometer winds. Journal of Geophysical Research, 1993, 98, 14651-14668.	3.3	19
82	A cloud-removal algorithm for SSM/I data. IEEE Transactions on Geoscience and Remote Sensing, 1999, 37, 54-62.	6.3	19
83	Relating microwave backscatter azimuth modulation to surface properties of the Greenland ice sheet. Journal of Glaciology, 2006, 52, 257-266.	2.2	19
84	Large-scale inverse Ku-band backscatter modeling of sea ice. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 1821-1833.	6.3	18
85	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
86	An assessment of NSCAT ambiguity removal. Journal of Geophysical Research, 1999, 104, 11449-11457.	3.3	17
87	The spatial response function of SeaWinds backscatter measurements. , 2003, , .		17
88	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
89	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
90	High-Resolution Soil Moisture Retrieval With ASCAT. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 972-976.	3.1	17

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91	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
92	A Parameterized ASCAT Measurement Spatial Response Function. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 4570-4579.	6.3	16
93	Model-based estimation of wind fields over the ocean from wind scatterometer measurements. II. Model parameter estimation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1990, 28, 361-373.	6.3	15
94	NSCAT normalized radar backscattering coefficient biases using homogenous land targets. <i>Journal of Geophysical Research</i> , 1999, 104, 11557-11568.	3.3	15
95	Spatial resolution and processing tradeoffs for HYDROS: application of reconstruction and resolution enhancement techniques. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2005, 43, 3-12.	6.3	15
96	Band-Limited Signal Reconstruction From Irregular Samples With Variable Apertures. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 2424-2436.	6.3	15
97	Radar Backscatter Measurement Accuracies Using Digital Doppler Processors in Spaceborne Scatterometers. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1986, GE-24, 426-437.	6.3	14
98	The ultra high resolution QuikSCAT product. , 2009, , .		14
99	Using the MicroASAR on the NASA SIERRA UAS in the Characterization of Arctic Sea Ice Experiment. , 2010, , .		14
100	Assessing the quality of SeaWinds rain measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2004, 42, 1424-1432.	6.3	13
101	Best Practices in Crafting the Calibrated, Enhanced-Resolution Passive-Microwave EASE-Grid 2.0 Brightness Temperature Earth System Data Record. <i>Remote Sensing</i> , 2018, 10, 1793.	4.0	13
102	Modeling microwave emissions of erg surfaces in the Sahara desert. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2005, 43, 2822-2830.	6.3	12
103	Iceberg size and orientation estimation using SeaWinds. <i>Cold Regions Science and Technology</i> , 2011, 69, 39-51.	3.5	12
104	Determining Selected Tropical Cyclone Characteristics Using QuikSCAT's Ultra-High Resolution Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2011, 4, 857-869.	4.9	12
105	Estimation of the OSCAT Spatial Response Function Using Island Targets. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 1924-1934.	6.3	12
106	Adapting the sir algorithm to ASCAT. , 2010, , .		10
107	Towards an improved wind and rain backscatter model for ASCAT. , 2010, , .		10
108	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

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109	The microasars experiment on CASIE-09. , 2010, , .		9
110	Inferring Greenland melt and refreeze severity from SeaWinds scatterometer data. International Journal of Remote Sensing, 2011, 32, 8053-8080.	2.9	9
111	Radio Frequencies: Policy and Management. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4918-4927.	6.3	9
112	Ground-Based 3D Radar Imaging of Trees Using a 2D Synthetic Aperture. Electronics (Switzerland), 2017, 6, 11.	3.1	9
113	Exact computation of the unwrapped phase of finite-length time series. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1988, 36, 1787-1790.	2.0	8
114	An advanced ambiguity selection algorithm for seawinds. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 538-547.	6.3	8
115	Correlation and covariance of satellite scatterometer measurements. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 1179-1187.	6.3	8
116	Improved processing of the casie SAR data. , 2011, , .		8
117	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
118	Estimating Wind Stress at the Ocean Surface From Scatterometer Observations. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1129-1132.	3.1	8
119	An improved simulation model for spaceborne scatterometer measurements. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 2692-2695.	6.3	7
120	A global urban microwave backscatter time series data set for 1993â€“2020 using ERS, QuikSCAT, and ASCAT data. Scientific Data, 2022, 9, 88.	5.3	7
121	A Reconstruction Approach to Scatterometer Wind Vector Field Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1850-1864.	6.3	6
122	Developments in compact high-performance synthetic aperture radar systems for use on small Unmanned Aircraft. , 2011, , .		6
123	Radar scatterometer observations of sastrugi on the great ice sheets. , 2003, , .		5
124	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
125	Mitigation of Sea Ice Contamination in QuikSCAT Wind Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2149-2158.	6.3	5
126	Analysis of Multistatic Pixel Correlation in SAR. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 362-374.	6.3	5

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127	ASCAT and QuikSCAT Azimuth Modulation of Backscatter Over East Antarctica. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1134-1138.	3.1	5
128	Scatterometer Backscatter Imaging Using Backusâ€“Gilbert Inversion. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3179-3190.	6.3	5
129	Mapping Firn Saturation Over Greenland Using NASAâ€™s Soil Moisture Active Passive Satellite. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3714-3729.	4.9	5
130	Application of optical flow and scale space methods to sea ice motion in Antarctica. , 2003, 5155, 249.		4
131	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
132	A Comparison of Hurricane Eye Determination using Standard and Ultra-High Resolution QuikSCAT Winds. , 2006, , .		4
133	Hurricane wind field estimation from seawinds at ultra high resolution. , 2007, , .		4
134	Full motion compensation for LFM-CW synthetic aperture radar. , 2007, , .		4
135	RADARSAT ScanSAR Wind Retrieval and Rain Effects on ScanSAR Measurements Under Hurricane Conditions. , 2008, , .		4
136	Progress Toward Validation of Quikscat Ultra-High-Resolution Rain Rates using TRMM PR. , 2008, , .		4
137	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
138	Digital receiver design for an offset IF LFM-CW SAR. , 2011, , .		4
139	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
140	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
141	Backprojection SAR interferometry. International Journal of Remote Sensing, 2015, 36, 979-999.	2.9	4
142	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
143	Systematic Scatterometer Wind Errors Near Coastal Mountains. Earth and Space Science, 2019, 6, 1900-1914.	2.6	4
144	<title>Reconstruction of high-resolution ocean wind vectors from low-resolution scatterometer measurements</title>. , 2004, , .		3

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145	Ultra High Resolution Rain Retrieval from QuikSCAT Data. , 2006, , .		3
146	Monitoring Changes in the Antarctic Ice Sheet from 1978 to 2007. , 2008, , .		3
147	Short surface waves in the Canadian Arctic in 2007 and 2008. Journal of Geophysical Research: Oceans, 2013, 118, 3712-3722.	2.6	3
148	Leveraging metadata conventions to improve usability of an ease-grid 2.0 passive microwave data product. , 2017, , .		3
149	Ultra-high-resolution near-coastal wind retrieval for QuikSCAT. , 2007, , .		3
150	Passive CubeSats for remote inspection of space vehicles. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	3
151	<title>Model-based ground station calibration for SeaWinds on QuikSCAT</title>. , 2002, 4483, 117.		2
152	A Large-Scale Ku-Band Backscatter Model of the East-Antarctic Megadune Fields. , 2006, , .		2
153	RADARSAT ScanSAR wind retrieval under hurricane conditions. Proceedings of SPIE, 2007, , .	0.8	2
154	Seasonal and interannual variations in Antarctic backscatter signature from 2000 to 2006 as observed by QuikSCAT. , 2007, , .		2
155	Effectiveness Of QuikSCAT's Ultra-High Resolution Images in Determining Tropical Cyclone Eye Location. , 2008, , .		2
156	Rain and Wind Estimation from Seawinds in Hurricanes at Ultra High Resolution. , 2008, , .		2
157	Scatterometer image reconstruction from aperture-filtered samples. , 2010, , .		2
158	Ocean surface response to hurricanes observed by SAR. , 2012, , .		2
159	SAR imaging of Arctic Sea Ice from an unmanned aircraft as part of the MIZOPEX project. , 2013, , .		2
160	Satellite radar anisotropy observed in urban areas. International Journal of Remote Sensing, 2015, 36, 665-679.	2.9	2
161	Enhanced-resolution SMAP soil moisture using image reconstruction. , 2017, , .		2
162	Improved Ultrahigh-Resolution Wind Retrieval for RapidScat. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3370-3379.	6.3	2

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163	Ultrahigh Resolution Scatterometer Winds near Hawaii. Remote Sensing, 2020, 12, 564.	4.0	2
164	Discrete Band-Limited Signal Reconstruction From Irregular Samples. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4033-4043.	6.3	2
165	Global L-band Observatory for Water Cycle Studies (GLOWS). , 2021, , .		2
166	Resolution Enhancement of SMAP Passive Soil Moisture Estimates. Remote Sensing, 2022, 14, 1761.	4.0	2
167	<title>Antarctic ice edge detection using NSCAT data</title>. , 1997, , .		1
168	<title>Enhanced-resolution ERS-1 scatterometer imaging with irregular samples</title>. , 1997, , .		1
169	Status of the SeaWinds scatterometer on QuikScat. , 1999, , .		1
170	Monitoring Bering Sea ice change using reconstructed NSCAT imagery. , 1999, , .		1
171	Oceanic Rain Identification using Multi-Fractal Analysis of QuikSCAT Sigma-0. , 0, , .		1
172	Diurnal Melt Detection on Arctic Sea Ice Using Tandem QuikSCAT and SeaWinds Data. , 2006, , .		1
173	WindSat Polarimetric View of Greenland. , 2006, , .		1
174	Polarization Rotation Correction in Radiometry: An Extended Error Analysis. , 2006, , .		1
175	Polarization Rotation Correction in Radiometry: An Error Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 3212-3223.	6.3	1
176	Analysis of Antarctic Iceberg and Sea Ice Melting Patterns using QuikSCAT. , 2008, , .		1
177	Spatial Resolution Enhancement of AMSR Tb Images based on Measurement Local Time of Day. , 2008, , .		1
178	Validation and Evaluation of QuikSCAT Ultra-High Resolution Wind Retrieval in the Gulf of Maine. , 2008, , .		1
179	DUSTER: demonstration of an integrated LWIR-VNIR-SAR imaging system. Proceedings of SPIE, 2008, , .	0.8	1
180	Spatial resolution enhancement of Cassini Titan Radar mapper data. , 2009, , .		1

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181	Utilizing the microASAR on the SIERRA UAS for NASA's characterization of Arctic Sea Ice Experiment. , 2010, , .		1
182	Towards Bayesian estimator selection for QuikSCAT wind and rain estimation. , 2010, , .		1
183	Iceberg size and orientation estimation using SeaWinds. , 2010, , .		1
184	Use of compact synthetic aperture radar systems to assist with device detection and discrimination. Proceedings of SPIE, 2010, , .	0.8	1
185	Processing for UWB LFM-CW SAR. , 2014, , .		1
186	Architectures for Earth-observing CubeSat scatterometers. , 2018, , .		1
187	Space of solutions to ocean surface wind measurement using scatterometer constellations. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	1
188	Observational research in air/sea interaction. International Journal of Remote Sensing, 1994, 8, 189-194.	1.0	0
189	<title>Wind field models and classification</title>. , 1997, 3117, 115.		0
190	<title>Wind scatterometry and the status of the NASA scatterometer</title>. , 1997, , .		0
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192	<title>YSAR: a compact low-cost synthetic aperture radar</title>. , 1997, , .		0
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