

Thomas Meissner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5023260/publications.pdf>

Version: 2024-02-01

30
papers

1,047
citations

567281

15
h-index

610901

24
g-index

30
all docs

30
docs citations

30
times ranked

735
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Saildrone Extreme Wind Measurements in Hurricane Sam Using MW Satellite Sensors. Remote Sensing, 2022, 14, 2726.	4.0	11
2	Tropical Cyclone Wind Speeds from WindSat, AMSR and SMAP: Algorithm Development and Testing. Remote Sensing, 2021, 13, 1641.	4.0	18
3	Tropical Cyclone Winds from WindSat, AMSR2, and SMAP: Comparison with the HWRF Model. Remote Sensing, 2021, 13, 2347.	4.0	16
4	Estimating tropical cyclone surface winds: Current status, emerging technologies, historical evolution, and a look to the future. Tropical Cyclone Research and Review, 2021, 10, 125-150.	2.2	38
5	Lessons Learned from SMAP Radiometer Pre-/Post-launch Calibration. , 2021, , .		0
6	Soil Moisture Active/Passive (SMAP) L-Band Microwave Radiometer Post-Launch Calibration Revisit: Approach and Performance. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11406-11416.	4.9	2
7	Assessment of CYGNSS Wind Speed Retrievals in Tropical Cyclones. Remote Sensing, 2021, 13, 5110.	4.0	12
8	SMAP Salinity Retrievals near the Sea-Ice Edge Using Multi-Channel AMSR2 Brightness Temperatures. Remote Sensing, 2021, 13, 5120.	4.0	4
9	Reference-Quality Emission and Backscatter Modeling for the Ocean. Bulletin of the American Meteorological Society, 2020, 101, E1593-E1601.	3.3	10
10	Smop Microwave Radiometer Calibration Revisit Approaches and Performamnce. , 2020, , .		0
11	Calibration of the SMAP Radiometer for Ocean Applications. , 2020, , .		1
12	Ocean Surface Foam and Microwave Emission: Dependence on Frequency and Incidence Angle. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8223-8234.	6.3	16
13	Whitecap and Wind Stress Observations by Microwave Radiometers: Global Coverage and Extreme Conditions. Journal of Physical Oceanography, 2019, 49, 2291-2307.	1.7	16
14	Validation of High Ocean Surface Winds from Satellites Using Oil Platform Anemometers. Journal of Atmospheric and Oceanic Technology, 2019, 36, 803-818.	1.3	8
15	Soil Moisture Active/Passive (SMAP) L-Band Microwave Radiometer Post-Launch Calibration Upgrade. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1647-1657.	4.9	14
16	Remote Sensing of Sea Surface Salinity: Comparison of Satellite and In Situ Observations and Impact of Retrieval Parameters. Remote Sensing, 2019, 11, 750.	4.0	55
17	Comparisons of Ocean Radiative Transfer Models With SMAP and AMSR2 Observations. Journal of Geophysical Research: Oceans, 2019, 124, 7683-7699.	2.6	18
18	Status of Aquarius and Salinity Continuity. Remote Sensing, 2018, 10, 1585.	4.0	20

#	ARTICLE	IF	CITATIONS
19	The Salinity Retrieval Algorithms for the NASA Aquarius Version 5 and SMAP Version 3 Releases. Remote Sensing, 2018, 10, 1121.	4.0	127
20	Assessment of Aquarius Sea Surface Salinity. Remote Sensing, 2018, 10, 1341.	4.0	48
21	Capability of the SMAP Mission to Measure Ocean Surface Winds in Storms. Bulletin of the American Meteorological Society, 2017, 98, 1660-1677.	3.3	101
22	Soil Moisture Active/Passive L-Band Microwave Radiometer Postlaunch Calibration. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5339-5354.	6.3	18
23	Atmospheric absorption model for dry air and water vapor at microwave frequencies below 100 GHz derived from spaceborne radiometer observations. Radio Science, 2016, 51, 381-391.	1.6	43
24	Sensitivity of Ocean Surface Salinity Measurements From Spaceborne L-Band Radiometers to Ancillary Sea Surface Temperature. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7105-7111.	6.3	27
25	Estimate of uncertainties in the Aquarius salinity retrievals. , 2015, , .		3
26	Status of Aquarius/SAC-D and Aquarius Salinity Retrievals. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 5401-5415.	4.9	34
27	The emission and scattering of L-band microwave radiation from rough ocean surfaces and wind speed measurements from the Aquarius sensor. Journal of Geophysical Research: Oceans, 2014, 119, 6499-6522.	2.6	92
28	Towards a Climate Data Record of satellite ocean vector winds. , 2012, , .		11
29	The Emissivity of the Ocean Surface Between 6 and 90 GHz Over a Large Range of Wind Speeds and Earth Incidence Angles. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3004-3026.	6.3	267
30	All-weather wind vector measurements from intercalibrated active and passive microwave satellite sensors. , 2011, , .		17