

Daniele Hauser

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,028
citations

623734

14
h-index

642732

23
g-index

36
all docs

36
docs citations

36
times ranked

950
citing authors

#	ARTICLE	IF	CITATIONS
1	On the wave age dependence of wind stress over pure wind seas. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	269
2	Altimetry for the future: Building on 25 years of progress. <i>Advances in Space Research</i> , 2021, 68, 319-363.	2.6	119
3	SWIM: The First Spaceborne Wave Scatterometer. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 3000-3014.	6.3	101
4	New Observations From the SWIM Radar On-Board CFOSAT: Instrument Validation and Ocean Wave Measurement Assessment. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 5-26.	6.3	88
5	RESSAC: a new airborne FM/CW radar ocean wave spectrometer. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1992, 30, 981-995.	6.3	62
6	SWIMSAT: A Real-Aperture Radar to Measure Directional Spectra of Ocean Waves from Space—Main Characteristics and Performance Simulation. <i>Journal of Atmospheric and Oceanic Technology</i> , 2001, 18, 421-437.	1.3	57
7	Importance of the sea surface curvature to interpret the normalized radar cross section. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	49
8	Assimilation of Directional Wave Spectra in the Wave Model WAM: An Impact Study from Synthetic Observations in Preparation for the SWIMSAT Satellite Mission. <i>Journal of Atmospheric and Oceanic Technology</i> , 2006, 23, 448-463.	1.3	38
9	Directional wave measurements from three wave sensors during the FETCH experiment. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	37
10	New Directional Wave Satellite Observations: Towards Improved Wave Forecasts and Climate Description in Southern Ocean. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091187.	4.0	26
11	KuROS: A New Airborne Ku-Band Doppler Radar for Observation of Surfaces. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 2223-2245.	1.3	19
12	Benefits of the Adaptive Algorithm for Retracking Altimeter Nadir Echoes: Results From Simulations and CFOSAT/SWIM Observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 9927-9940.	6.3	19
13	Combined analysis of the radar cross-section modulation due to the long ocean waves around 14° and 34° incidence: Implication for the hydrodynamic modulation. <i>Journal of Geophysical Research</i> , 1996, 101, 25833-25846.	3.3	17
14	Overview of the CFOSAT mission. , 2016, , .		17
15	Directional and Frequency Spread of Surface Ocean Waves From SWIM Measurements. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017220.	2.6	15
16	Quasi-Gaussian probability density function of sea wave slopes from near nadir Ku-band radar observations. <i>Remote Sensing of Environment</i> , 2018, 217, 86-100.	11.0	14
17	The Wide Swath Significant Wave Height: An Innovative Reconstruction of Significant Wave Heights From CFOSAT's SWIM and Scatterometer Using Deep Learning. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091276.	4.0	12
18	Measuring ocean total surface current velocity with the KuROS and KaRADOC airborne near-nadir Doppler radars: a multi-scale analysis in preparation for the SKIM mission. <i>Ocean Science</i> , 2020, 16, 1399-1429.	3.4	11

#	ARTICLE	IF	CITATIONS
19	On the Assimilation of CFOSAT Wave Data in the Wave Model MFWAM : Verification Phase. , 2019, , .		10
20	A New Platform for the Determination of Air-Sea Fluxes (OCARINA): Overview and First Results. Journal of Atmospheric and Oceanic Technology, 2014, 31, 1043-1062.	1.3	9
21	Sea-Ice Detection From Near-Nadir Ku-Band Echoes From CFOSAT/SWIM Scatterometer. Earth and Space Science, 2022, 9, .	2.6	9
22	Directional wave spectra at the regional scale with the KuROS airborne radar: comparisons with models. Ocean Dynamics, 2019, 69, 679-699.	2.2	7
23	Air-Sea Turbulent Fluxes From a Wave-Following Platform During Six Experiments at Sea. Journal of Geophysical Research: Oceans, 2019, 124, 4290-4321.	2.6	5
24	Perspectives for directional spectra assimilation: Results from a study based on joint assimilation of CFOSAT synthetic wave spectra and observed SAR spectra from Sentinel-1A. , 2016, , .		4
25	Directional and Frequency Spread of Surface Ocean Waves from CFOSAT/SWIM Measurements. , 2021, , .		4
26	Up-to-Downwave Asymmetry of the CFOSAT SWIM Fluctuation Spectrum for Wave Direction Ambiguity Removal. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	3
27	Evolutions and Improvements in CFOSAT SWIM Products. , 2021, , .		3
28	Ocean Waves in the South Pacific: Complementarity of SWIM and SAR Observations. Earth and Space Science, 2022, 9, .	2.6	3
29	CAL/VAL Phase for the Swim Instrument Onboard cFOSAT. , 2020, , .		1
30	Speckle Noise Spectrum at Near-Nadir Incidence Angles for a Time-Varying Sea Surface. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-20.	6.3	0