

Bernhard Bauer-Marschallinger

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

3,276
citations

623574

14
h-index

887953

17
g-index

22
all docs

22
docs citations

22
times ranked

6659
citing authors

#	ARTICLE	IF	CITATIONS
1	Widespread occurrence of anomalous C-band backscatter signals in arid environments caused by subsurface scattering. <i>Remote Sensing of Environment</i> , 2022, 276, 113025.	4.6	20
2	Assimilation of the SCATSAR-SWI with SURFEX: Impact of Local Observation Errors in Austria. <i>Monthly Weather Review</i> , 2021, 149, 773-791.	0.5	1
3	Detection and Quantification of Irrigation Water Amounts at 500 m Using Sentinel-1 Surface Soil Moisture. <i>Remote Sensing</i> , 2021, 13, 1727.	1.8	27
4	The normalised Sentinel-1 Global Backscatter Model, mapping Earth's land surface with C-band microwaves. <i>Scientific Data</i> , 2021, 8, 277.	2.4	30
5	A Sentinel-1 Backscatter Datacube for Global Land Monitoring Applications. <i>Remote Sensing</i> , 2021, 13, 4622.	1.8	15
6	Assimilation of Sentinel 1 and SMAP-based satellite soil moisture retrievals into SWAT hydrological model: the impact of satellite revisit time and product spatial resolution on flood simulations in small basins. <i>Journal of Hydrology</i> , 2020, 581, 124367.	2.3	51
7	Sentinel-1 Cross Ratio and Vegetation Optical Depth: A Comparison over Europe. <i>Remote Sensing</i> , 2020, 12, 3404.	1.8	35
8	Toward Global Soil Moisture Monitoring With Sentinel-1: Harnessing Assets and Overcoming Obstacles. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 520-539.	2.7	241
9	Sensitivity of Sentinel-1 Backscatter to Vegetation Dynamics: An Austrian Case Study. <i>Remote Sensing</i> , 2018, 10, 1396.	1.8	219
10	Soil Moisture from Fusion of Scatterometer and SAR: Closing the Scale Gap with Temporal Filtering. <i>Remote Sensing</i> , 2018, 10, 1030.	1.8	71
11	Modelling and correcting azimuthal anisotropy in Sentinel-1 backscatter data. <i>Remote Sensing Letters</i> , 2018, 9, 799-808.	0.6	16
12	Assessing Vegetation Dynamics Over Mainland Australia With Metop ASCAT. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 2240-2248.	2.3	27
13	SoilGrids250m: Global gridded soil information based on machine learning. <i>PLoS ONE</i> , 2017, 12, e0169748.	1.1	2,385
14	Geophysical Parameters Retrieval From Sentinel-1 Sar Data: A Case Study For High Performance Computing At EODC. , 2016, , .		2
15	Seven Years of Advanced Synthetic Aperture Radar (ASAR) Global Monitoring (GM) of Surface Soil Moisture over Africa. <i>Remote Sensing</i> , 2014, 6, 7683-7707.	1.8	23
16	Optimisation of global grids for high-resolution remote sensing data. <i>Computers and Geosciences</i> , 2014, 72, 84-93.	2.0	65
17	How Oceanic Oscillation Drives Soil Moisture Variations over Mainland Australia: An Analysis of 32 Years of Satellite Observations*. <i>Journal of Climate</i> , 2013, 26, 10159-10173.	1.2	27
18	34 years of remotely sensed soil moisture: What climate signals do we (not) see?. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Constructing and analyzing a 32-years climate data record of remotely sensed soil moisture. , 2012, , .		3
20	Long-term Soil Moisture Time Series Analyses based on Active Microwave Backscatter Measurements. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7/W3, 545-550.	0.2	0