Bernhard Bauer-Marschallinger

List of Publications by Year
in descending order

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	SoilGrids250m: Global gridded soil information based on machine learning. PLoS ONE, 2017, 12, e0169748.	1.1	2,385
2	Toward Global Soil Moisture Monitoring With Sentinel-1: Harnessing Assets and Overcoming Obstacles. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 520-539.	2.7	241
3	Sensitivity of Sentinel-1 Backscatter to Vegetation Dynamics: An Austrian Case Study. Remote Sensing, 2018, 10, 1396.	1.8	219
4	Soil Moisture from Fusion of Scatterometer and SAR: Closing the Scale Gap with Temporal Filtering. Remote Sensing, 2018, 10, 1030.	1.8	71
5	Optimisation of global grids for high-resolution remote sensing data. Computers and Geosciences, 2014, 72, 84-93.	2.0	65
6	Assimilation of Sentinel 1 and SMAPÂâ€“Âbased satellite soil moisture retrievals into SWAT hydrological model: the impact of satellite revisit time andÂproduct spatial resolution on flood simulations in small basins. Journal of Hydrology, 2020, 581, 124367.	2.3	51
7	Sentinel-1 Cross Ratio and Vegetation Optical Depth: A Comparison over Europe. Remote Sensing, 2020, 12, 3404.	1.8	35
8	The normalised Sentinel-1 Global Backscatter Model, mapping Earthâ€™s land surface with C-band microwaves. Scientific Data, 2021, 8, 277.	2.4	30
9	How Oceanic Oscillation Drives Soil Moisture Variations over Mainland Australia: An Analysis of 32 Years of Satellite Observations*. Journal of Climate, 2013, 26, 10159-10173.	1.2	27
10	Assessing Vegetation Dynamics Over Mainland Australia With Metop ASCAT. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2240-2248.	2.3	27
11	Detection and Quantification of Irrigation Water Amounts at 500 m Using Sentinel-1 Surface Soil Moisture. Remote Sensing, 2021, 13, 1727.	1.8	27
12	Seven Years of Advanced Synthetic Aperture Radar (ASAR) Global Monitoring (GM) of Surface Soil Moisture over Africa. Remote Sensing, 2014, 6, 7683-7707.	1.8	23
13	Widespread occurrence of anomalous C-band backscatter signals in arid environments caused by subsurface scattering. Remote Sensing of Environment, 2022, 276, 113025.	4.6	20
14	Modelling and correcting azimuthal anisotropy in Sentinel-1 backscatter data. Remote Sensing Letters, 2018, 9, 799-808.	0.6	16
15	A Sentinel-1 Backscatter Datacube for Global Land Monitoring Applications. Remote Sensing, 2021, 13, 4622.	1.8	15
16	Constructing and analyzing a 32-years climate data record of remotely sensed soil moisture. , 2012, , .		3
17	Geophysical Parameters Retrieval From Sentinel-1 Sar Data: A Case Study For High Performance Computing At EODC. , 2016, , .		2
18	Assimilation of the SCATSAR-SWI with SURFEX: Impact of Local Observation Errors in Austria. Monthly Weather Review, 2021, 149, 773-791.	0.5	1

#	Article	IF	Citations
19	34 years of remotely sensed soil moisture: What climate signals do we (not) see?. , 2013, , .		0
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