Isabella Pfeil

List of Publications by Year
in descending order

19	611	933447 10	940533 16
papers	citations	h-index	g-index

32	32	32	853
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Validation of Soil Moisture Data Products From the NASA SMAP Mission. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 364-392.	4.9	62
2	The value of satellite soil moisture and snow cover data for the transfer of hydrological model parameters to ungauged sites. Hydrology and Earth System Sciences, 2022, 26, 1779-1799.	4.9	2
3	Analysis of short-term soil moisture effects on the ASCAT backscatter-incidence angle dependence. Science of Remote Sensing, 2022, , 100053.	4.8	2
4	The effects of radiometric terrain flattening on SAR-based forest mapping and classification. Remote Sensing Letters, 2022, 13, 855-864.	1.4	6
5	The value of ASCAT soil moisture and MODIS snow cover data for calibrating a conceptual hydrologic model. Hydrology and Earth System Sciences, 2021, 25, 1389-1410.	4.9	25
6	The International Soil Moisture Network: serving Earth system science for over a decade. Hydrology and Earth System Sciences, 2021, 25, 5749-5804.	4.9	116
7	Incorporating Advanced Scatterometer Surface and Root Zone Soil Moisture Products into the Calibration of a Conceptual Semi-Distributed Hydrological Model. Water (Switzerland), 2021, 13, 3366.	2.7	1
8	Comparison of Long Short-Term Memory Networks and Random Forest for Sentinel-1 Time Series Based Large Scale Crop Classification. Remote Sensing, 2021, 13, 5000.	4.0	10
9	Does ASCAT observe the spring reactivation in temperate deciduous broadleaf forests?. Remote Sensing of Environment, 2020, 250, 112042.	11.0	11
10	Sentinel-1 Cross Ratio and Vegetation Optical Depth: A Comparison over Europe. Remote Sensing, 2020, 12, 3404.	4.0	35
11	Evaluating the suitability of the consumer low-cost Parrot Flower Power soil moisture sensor for scientific environmental applications. Geoscientific Instrumentation, Methods and Data Systems, 2020, 9, 117-139.	1.6	12
12	Classification of Wheat and Barley Fields Using Sentinel-1 Backscatter. , 2020, , .		3
13	Improving the Seasonal Representation of ASCAT Soil Moisture and Vegetation Dynamics in a Temperate Climate. Remote Sensing, 2018, 10, 1788.	4.0	17
14	Sensitivity of Sentinel-1 Backscatter to Vegetation Dynamics: An Austrian Case Study. Remote Sensing, 2018, 10, 1396.	4.0	219
15	Combining satellite observations to develop a global soil moisture product for near-real-time applications. Hydrology and Earth System Sciences, 2016, 20, 4191-4208.	4.9	22
16	The Importance of Analog Planetary Research for Success and Safety of Human and Robotic Space Missions. , 2015, , 285-293.		4
17	The MARS2013 Mars Analog Mission. Astrobiology, 2014, 14, 360-376.	3.0	34
18	Field Trial of a Dual-Wavelength Fluorescent Emission (L.I.F.E.) Instrument and the Magma White Rover during the MARS2013 Mars Analog Mission. Astrobiology, 2014, 14, 391-405.	3.0	9

#	Article	IF	Citations
19	Planning Strategies for Mars (Analog) Missions: Real-Time, 3-Days-in-Advance and 1-Day-in-Advance Planning. , 2014, , .		3