

Philipp Marzahn

List of Publications by Year in descending order

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35
papers

833
citations

623734

14
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477307

29
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38
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times ranked

1096
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractional Vegetation Cover Derived from UAV and Sentinel-2 Imagery as a Proxy for In Situ FAPAR in a Dense Mixed-Coniferous Forest?. <i>Remote Sensing</i> , 2022, 14, 380.	4.0	2
2	A roadmap for high-resolution satellite soil moisture applications – confronting product characteristics with user requirements. <i>Remote Sensing of Environment</i> , 2021, 252, 112162.	11.0	138
3	Global assessments of two blended microwave soil moisture products CCI and SMOPS with in-situ measurements and reanalysis data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 94, 102234.	2.8	23
4	Considering the Environmental Impacts of Bioenergy Technologies to Support German Energy Transition. <i>Energies</i> , 2021, 14, 1534.	3.1	2
5	RADOLAN_API: An Hourly Soil Moisture Data Set Based on Weather Radar, Soil Properties and Reanalysis Temperature Data. <i>Remote Sensing</i> , 2021, 13, 1712.	4.0	4
6	Sentinel-1 Backscatter Analysis and Radiative Transfer Modeling of Dense Winter Wheat Time Series. <i>Remote Sensing</i> , 2021, 13, 2320.	4.0	8
7	Sentinel-1 soil moisture at 1 km resolution: a validation study. <i>Remote Sensing of Environment</i> , 2021, 263, 112554.	11.0	50
8	Sentinel-1 InSAR measurements of deformation over discontinuous permafrost terrain, Northern Quebec, Canada. <i>Remote Sensing of Environment</i> , 2020, 248, 111965.	11.0	27
9	Utilization of Multi-Temporal Microwave Remote Sensing Data within a Geostatistical Regionalization Approach for the Derivation of Soil Texture. <i>Remote Sensing</i> , 2020, 12, 2660.	4.0	8
10	Evaluation of Different Radiative Transfer Models for Microwave Backscatter Estimation of Wheat Fields. <i>Remote Sensing</i> , 2020, 12, 3037.	4.0	14
11	Unmanned Aerial System and Machine Learning Techniques Help to Detect Dead Woody Components in a Tropical Dry Forest. <i>Forests</i> , 2020, 11, 827.	2.1	6
12	Spatial Estimation of the Latent Heat Flux in a Tropical Dry Forest by Using Unmanned Aerial Vehicles. <i>Forests</i> , 2020, 11, 604.	2.1	12
13	Accuracy assessment on the number of flux terms needed to estimate in situ fAPAR. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 88, 102061.	2.8	6
14	Validation of Sentinel-2 fAPAR products using ground observations across three forest ecosystems. <i>Remote Sensing of Environment</i> , 2019, 232, 111310.	11.0	20
15	Canopy Temperature Differences between Liana-Infested and Non-Liana Infested Areas in a Neotropical Dry Forest. <i>Forests</i> , 2019, 10, 890.	2.1	9
16	Flood Monitoring in Vegetated Areas Using Multitemporal Sentinel-1 Data: Impact of Time Series Features. <i>Water (Switzerland)</i> , 2019, 11, 1938.	2.7	39
17	Monitoring of a Sea-Dike in Northern Germany by Means of ERS-1, ENVISAT/ASAR, and Sentinel-1 SAR Interferometry. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 4351-4360.	4.9	2
18	Assessing the variability and uncertainty of two-flux FAPAR measurements in a conifer-dominated forest. <i>Agricultural and Forest Meteorology</i> , 2019, 264, 149-163.	4.8	12

#	ARTICLE	IF	CITATIONS
19	Mapping permafrost landscape features using object-based image classification of multi-temporal SAR images. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 141, 10-29.	11.1	23
20	SAR-based detection of flooded vegetation – a review of characteristics and approaches. International Journal of Remote Sensing, 2018, 39, 2255-2293.	2.9	110
21	Comparison of the GPM IMERG Final Precipitation Product to RADOLAN Weather Radar Data over the Topographically and Climatically Diverse Germany. Remote Sensing, 2018, 10, 2029.	4.0	30
22	Detection of Temporary Flooded Vegetation Using Sentinel-1 Time Series Data. Remote Sensing, 2018, 10, 1286.	4.0	80
23	Thermokarst pond dynamics in subarctic environment monitoring with radar remote sensing. Permafrost and Periglacial Processes, 2018, 29, 231-245.	3.4	10
24	On the estimation of tree mortality and liana infestation using a deep self-encoding network. International Journal of Applied Earth Observation and Geoinformation, 2018, 73, 1-13.	2.8	14
25	Comparison of TerraSAR-X and ALOS PALSAR Differential Interferometry With Multisource DEMs for Monitoring Ground Displacement in a Discontinuous Permafrost Region. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4074-4093.	4.9	24
26	Monitoring of Sea Dike Structures by the Means of Combined StaMPS Multi-temporal InSAR Approach. Procedia Computer Science, 2016, 100, 1147-1154.	2.0	1
27	Operational surface soil moisture retrieval by c-band SAR imagery in a semi-arid environment. , 2012, , .		0
28	Assessment of soil surface roughness statistics for microwave remote sensing applications using a simple photogrammetric acquisition system. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 72, 80-89.	11.1	46
29	Characterization of Rape Field Microwave Emission and Implications to Surface Soil Moisture Retrievals. Remote Sensing, 2012, 4, 247-270.	4.0	14
30	Decomposing Dual Scale Soil Surface Roughness for Microwave Remote Sensing Applications. Remote Sensing, 2012, 4, 2016-2032.	4.0	13
31	Progress in the understanding of narrow directional microwave scattering of agricultural fields. Remote Sensing of Environment, 2011, 115, 2423-2433.	11.0	34
32	On the derivation of soil surface roughness from multi parametric PolSAR data and its potential for hydrological modeling. Hydrology and Earth System Sciences, 2009, 13, 381-394.	4.9	47
33	Derivation of Soil Surface Roughness Dynamics from Multi-temporal and Multi-parametric Air-borne PolSAR-data. , 2007, , .		1
34	A FUZZY LOGIC-BASED APPROACH FOR THE DETECTION OF FLOODED VEGETATION BY MEANS OF SYNTHETIC APERTURE RADAR DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B7, 371-378.	0.2	4
35	USING MULTI-DIMENSIONAL MICROWAVE REMOTE SENSING INFORMATION FOR THE RETRIEVAL OF SOIL SURFACE ROUGHNESS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 1257-1262.	0.2	0