Felix Greifeneder

List of Publications by Year
in descending order

25 papers	**646** citations	840119 **11** h-index	1199166 **12** g-index
31 all docs	**31** docs citations	**31** times ranked	**1199** citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Machine Learning Approaches for Biomass and Soil Moisture Retrievals from Remote Sensing Data. Remote Sensing, 2015, 7, 16398-16421.	1.8	294
2	Synergetic Use of Sentinel-1 and Sentinel-2 Data for Soil Moisture Mapping at Plot Scale. Remote Sensing, 2018, 10, 1285.	1.8	77
3	Estimation of Soil Moisture in Mountain Areas Using SVR Technique Applied to Multiscale Active Radar Images at C-Band. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 262-283.	2.3	51
4	Data assimilation of high-resolution thermal and radar remote sensing retrievals for soil moisture monitoring in a drip-irrigated vineyard. Remote Sensing of Environment, 2020, 239, 111622.	4.6	46
5	A Machine Learning-Based Approach for Surface Soil Moisture Estimations with Google Earth Engine. Remote Sensing, 2021, 13, 2099.	1.8	35
6	Estimation of Soil Moisture in Vegetation-Covered Floodplains with Sentinel-1 SAR Data Using Support Vector Regression. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2018, 86, 85-101.	0.7	26
7	Suitability of SAR imagery for automatic flood mapping in the Lower Mekong Basin. International Journal of Remote Sensing, 2014, 35, 2857-2874.	1.3	25
8	Soil Moisture Estimation by SAR in Alpine Fields Using Gaussian Process Regressor Trained by Model Simulations. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4899-4912.	2.7	22
9	Ecosystem Services in a Protected Mountain Range of Portugal: Satellite-Based Products for State and Trend Analysis. Remote Sensing, 2018, 10, 1573.	1.8	14
10	From Point to Pixel Scale: An Upscaling Approach for In Situ Soil Moisture Measurements. Vadose Zone Journal, 2016, 15, 1-8.	1.3	13
11	The Added Value of the VH/VV Polarization-Ratio for Global Soil Moisture Estimations From Scatterometer Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3668-3679.	2.3	13
12	Detection of soil moisture anomalies based on Sentinel-1. Physics and Chemistry of the Earth, 2019, 112, 75-82.	1.2	13
13	Potential of Sentinel-1 for high-resolution soil moisture monitoring. , 2013, , .		6
14	Estimating Soil Moisture from C and X Band Sar Using Machine Learning Algorithms and Compact Polarimetry. , 2018, , .		5
15	Estimation of surface soil moisture in alpine areas based on medium spatial resolution SAR time-series and upscaled in-situ measurements. , 2014, , .		2
16	COSMO-SkyMed and radarsat image integration for soil moisture and vegetation biomass monitoring. , 2017, , .		2
17	Temporal and spatial soil moisture dynamics in mountain meadows by integrating Radarsat 2 images and ground data. , 2014, , .		1
18	An analysis of the capabilities of COSMO-SKYMED and RADARSAT systems for agricultural area monitoring. , 2015, , .		1

#	Article	IF	Citations
19	The use of COSMO-SkyMed images for retrieving snow depth and soil moisture in mountainous areas. , 2014, , .		0
20	Soil moisture estimation using synergy of optical, SAR, and topographic data with Gaussian Process Regression. Proceedings of SPIE, 2014, , .	0.8	0
21	Developing an operational algorithm based on ANN for the retrieval of SMC from the incoming metop SCA mission. , 2015, , .		0
22	Alpine algorithms-time series of innovative remote sensing products for Alpine areas: Snow cover leaf area index and soil moisture. , 2015, , .		0
23	A novel approach to improve spatial detail in modeled soil moisture through the integration of remote sensing data. , 2015, , .		0
24	Cosmo-SkyMed and RADARSAT2 image investigation for the monitoring of agricultural areas. , 2015, , .		0
25	Investigating Radar Time Series for Hydrological Characterisation in the Lower Mekong Basin. Remote Sensing and Digital Image Processing, 2015, , 357-381.	0.7	0