

Yoann Malbeteau

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,008
citations

471371

17
h-index

839398

18
g-index

22
all docs

22
docs citations

22
times ranked

1651
citing authors

#	ARTICLE	IF	CITATIONS
1	Current Practices in UAS-based Environmental Monitoring. <i>Remote Sensing</i> , 2020, 12, 1001.	1.8	135
2	Retrieving surface soil moisture at high spatio-temporal resolution from a synergy between Sentinel-1 radar and Landsat thermal data: A study case over bare soil. <i>Remote Sensing of Environment</i> , 2018, 211, 321-337.	4.6	118
3	SMOS disaggregated soil moisture product at 1 km resolution: Processor overview and first validation results. <i>Remote Sensing of Environment</i> , 2016, 180, 361-376.	4.6	112
4	Performance Metrics for Soil Moisture Downscaling Methods: Application to DISPATCH Data in Central Morocco. <i>Remote Sensing</i> , 2015, 7, 3783-3807.	1.8	69
5	DisPATCh as a tool to evaluate coarse-scale remotely sensed soil moisture using localized in situ measurements: Application to SMOS and AMSR-E data in Southeastern Australia. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 45, 221-234.	1.4	64
6	Normalizing land surface temperature data for elevation and illumination effects in mountainous areas: A case study using ASTER data over a steep-sided valley in Morocco. <i>Remote Sensing of Environment</i> , 2017, 189, 25-39.	4.6	64
7	Preliminary Assessment of SARAL/AltiKa Observations over the Ganges-Brahmaputra and Irrawaddy Rivers. <i>Marine Geodesy</i> , 2015, 38, 568-580.	0.9	58
8	Satellite-derived surface and sub-surface water storage in the Ganges-Brahmaputra River Basin. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 15-35.	1.0	56
9	Predicting Biomass and Yield in a Tomato Phenotyping Experiment Using UAV Imagery and Random Forest. <i>Frontiers in Artificial Intelligence</i> , 2020, 3, 28.	2.0	55
10	Unmanned Aerial Vehicle-Based Phenotyping Using Morphometric and Spectral Analysis Can Quantify Responses of Wild Tomato Plants to Salinity Stress. <i>Frontiers in Plant Science</i> , 2019, 10, 370.	1.7	47
11	A Calibration Procedure for Field and UAV-Based Uncooled Thermal Infrared Instruments. <i>Sensors</i> , 2020, 20, 3316.	2.1	47
12	Surface Freshwater Storage Variations in the Orinoco Floodplains Using Multi-Satellite Observations. <i>Remote Sensing</i> , 2015, 7, 89-110.	1.8	38
13	Atmospheric drying as the main driver of dramatic glacier wastage in the southern Indian Ocean. <i>Scientific Reports</i> , 2016, 6, 32396.	1.6	29
14	Capturing the Diurnal Cycle of Land Surface Temperature Using an Unmanned Aerial Vehicle. <i>Remote Sensing</i> , 2018, 10, 1407.	1.8	29
15	Automated Georectification and Mosaicking of UAV-Based Hyperspectral Imagery from Push-Broom Sensors. <i>Remote Sensing</i> , 2020, 12, 34.	1.8	29
16	Toward a Surface Soil Moisture Product at High Spatiotemporal Resolution: Temporally Interpolated, Spatially Disaggregated SMOS Data. <i>Journal of Hydrometeorology</i> , 2018, 19, 183-200.	0.7	22
17	Mapping groundwater abstractions from irrigated agriculture: big data, inverse modeling, and a satellite-model fusion approach. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5251-5277.	1.9	19
18	PREDICTING BIOMASS AND YIELD AT HARVEST OF SALT-STRESSED TOMATO PLANTS USING UAV IMAGERY. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W13, 407-411.	0.2	10

#	ARTICLE	IF	CITATIONS
19	Overcoming the Challenges of Thermal Infrared Orthomosaics Using a Swath-Based Approach to Correct for Dynamic Temperature and Wind Effects. Remote Sensing, 2021, 13, 3255.	1.8	7
20	Evaporation-based disaggregation of surface soil moisture data: The dispatch method, the CATDS product and on-going research. , 2017, , .		0
21	Propose a Variance-based Model for Normalizing Satellite Images Derived Land Surface Temperature Relative to Environmental Parameters. Journal of Geospatial Information Technology, 2019, 7, 83-112.	0.2	0