Yoann Malbeteau

List of Publications by Year
in descending order

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	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
2	Predicting Biomass and Yield in a Tomato Phenotyping Experiment Using UAV Imagery and Random Forest. Frontiers in Artificial Intelligence, 2020, 3, 28.	2.0	55
3	A Calibration Procedure for Field and UAV-Based Uncooled Thermal Infrared Instruments. Sensors, 2020, 20, 3316.	2.1	47
4	Automated Georectification and Mosaicking of UAV-Based Hyperspectral Imagery from Push-Broom Sensors. Remote Sensing, 2020, 12, 34.	1.8	29
5	Current Practices in UAS-based Environmental Monitoring. Remote Sensing, 2020, 12, 1001.	1.8	135
6	Mapping groundwater abstractions from irrigated agriculture: big data, inverse modeling, and a satelliteâ€“model fusion approach. Hydrology and Earth System Sciences, 2020, 24, 5251-5277.	1.9	19
7	Unmanned Aerial Vehicle-Based Phenotyping Using Morphometric and Spectral Analysis Can Quantify Responses of Wild Tomato Plants to Salinity Stress. Frontiers in Plant Science, 2019, 10, 370.	1.7	47
8	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
9	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. Remote Sensing of Environment, 2018, 211, 321-337.	4.6	118
10	Toward a Surface Soil Moisture Product at High Spatiotemporal Resolution: Temporally Interpolated, Spatially Disaggregated SMOS Data. Journal of Hydrometeorology, 2018, 19, 183-200.	0.7	22
11	Capturing the Diurnal Cycle of Land Surface Temperature Using an Unmanned Aerial Vehicle. Remote Sensing, 2018, 10, 1407.	1.8	29
12	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. Remote Sensing of Environment, 2017, 189, 25-39.	4.6	64
13	Evaporation-based disaggregation of surface soil moisture data: The dispatch method, the CATDS product and on-going research. , 2017, , .		0
14	SMOS disaggregated soil moisture product at 1 km resolution: Processor overview and first validation results. Remote Sensing of Environment, 2016, 180, 361-376.	4.6	112
15	Atmospheric drying as the main driver of dramatic glacier wastage in the southern Indian Ocean. Scientific Reports, 2016, 6, 32396.	1.6	29
16	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. International Journal of Applied Earth Observation and Geoinformation, 2016, 45, 221-234.	1.4	64
17	Performance Metrics for Soil Moisture Downscaling Methods: Application to DISPATCH Data in Central Morocco. Remote Sensing, 2015, 7, 3783-3807.	1.8	69
18	Surface Freshwater Storage Variations in the Orinoco Floodplains Using Multi-Satellite Observations. Remote Sensing, 2015, 7, 89-110.	1.8	38

#	Article	IF	Citations
19	Satellite-derived surface and sub-surface water storage in the Gangesâ€“Brahmaputra River Basin. Journal of Hydrology: Regional Studies, 2015, 4, 15-35.	1.0	56
20	Preliminary Assessment of SARAL/AltiKa Observations over the Ganges-Brahmaputra and Irrawaddy Rivers. Marine Geodesy, 2015, 38, 568-580.	0.9	58
21	PREDICTING BIOMASS AND YIELD AT HARVEST OF SALT-STRESSED TOMATO PLANTS USING UAV IMAGERY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 407-411.	0.2	10