

# Valerie Demarez

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

2,287  
citations

331259

21  
h-index

476904

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2462  
citing authors

#	ARTICLE	IF	CITATIONS
1	STICS crop model and Sentinel-2 images for monitoring rice growth and yield in the Camargue region. <i>Agronomy for Sustainable Development</i> , 2021, 41, 1.	2.2	9
2	An Operational Framework for Mapping Irrigated Areas at Plot Scale Using Sentinel-1 and Sentinel-2 Data. <i>Remote Sensing</i> , 2021, 13, 2584.	1.8	20
3	Detection of Irrigated and Rainfed Crops in Temperate Areas Using Sentinel-1 and Sentinel-2 Time Series. <i>Remote Sensing</i> , 2020, 12, 3044.	1.8	35
4	Near Real-Time Irrigation Detection at Plot Scale Using Sentinel-1 Data. <i>Remote Sensing</i> , 2020, 12, 1456.	1.8	32
5	Mapping Irrigated Areas Using Sentinel-1 Time Series in Catalonia, Spain. <i>Remote Sensing</i> , 2019, 11, 1836.	1.8	65
6	In-Season Mapping of Irrigated Crops Using Landsat 8 and Sentinel-1 Time Series. <i>Remote Sensing</i> , 2019, 11, 118.	1.8	67
7	A leaf area index data set acquired in Sahelian rangelands of Gourma in Mali over the 2005–2017 period. <i>Earth System Science Data</i> , 2019, 11, 675-686.	3.7	4
8	Modeling water needs and total irrigation depths of maize crop in the south west of France using high spatial and temporal resolution satellite imagery. <i>Agricultural Water Management</i> , 2017, 189, 123-136.	2.4	40
9	Combining hectometric and decametric satellite observations to provide near real time decametric FAPAR product. <i>Remote Sensing of Environment</i> , 2017, 200, 250-262.	4.6	17
10	Contribution of Remote Sensing for Crop and Water Monitoring. , 2016, , 113-177.		5
11	Extracting Soil Water Holding Capacity Parameters of a Distributed Agro-Hydrological Model from High Resolution Optical Satellite Observations Series. <i>Remote Sensing</i> , 2016, 8, 154.	1.8	16
12	Early Detection of Summer Crops Using High Spatial Resolution Optical Image Time Series. <i>Remote Sensing</i> , 2016, 8, 591.	1.8	29
13	Estimating maize biomass and yield over large areas using high spatial and temporal resolution Sentinel-2 like remote sensing data. <i>Remote Sensing of Environment</i> , 2016, 184, 668-681.	4.6	219
14	Land Cover and Crop Type Classification along the Season Based on Biophysical Variables Retrieved from Multi-Sensor High-Resolution Time Series. <i>Remote Sensing</i> , 2015, 7, 10400-10424.	1.8	54
15	A Generic Algorithm to Estimate LAI, FAPAR and FCOVER Variables from SPOT4_HRVIR and Landsat Sensors: Evaluation of the Consistency and Comparison with Ground Measurements. <i>Remote Sensing</i> , 2015, 7, 15494-15516.	1.8	70
16	Agro-hydrology and multi-temporal high-resolution remote sensing: toward an explicit spatial processes calibration. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 5219-5237.	1.9	13
17	Estimation of LAI, fAPAR and fCover of Sahel rangelands (Gourma, Mali). <i>Agricultural and Forest Meteorology</i> , 2014, 198-199, 155-167.	1.9	43
18	Validation of coarse spatial resolution LAI and FAPAR time series over cropland in southwest France. <i>Remote Sensing of Environment</i> , 2013, 139, 216-230.	4.6	155

#	ARTICLE	IF	CITATIONS
19	Maize and sunflower biomass estimation in southwest France using high spatial and temporal resolution remote sensing data. <i>Remote Sensing of Environment</i> , 2012, 124, 844-857.	4.6	213
20	Contrasted land surface processes along the West African rainfall gradient. <i>Atmospheric Science Letters</i> , 2011, 12, 31-37.	0.8	23
21	Spatialization of crop leaf area index and biomass by combining a simple crop model SAFY and high spatial and temporal resolutions remote sensing data. , 2009, , .		6
22	Response of surface energy balance to water regime and vegetation development in a Sahelian landscape. <i>Journal of Hydrology</i> , 2009, 375, 178-189.	2.3	76
23	The AMMA-CATCH Gourma observatory site in Mali: Relating climatic variations to changes in vegetation, surface hydrology, fluxes and natural resources. <i>Journal of Hydrology</i> , 2009, 375, 14-33.	2.3	140
24	Photosynthesis of a temperate fallow C&lt;sub>3&lt;/sub> herbaceous ecosystem: measurements and model simulations at the leaf and canopy levels. <i>Photosynthetica</i> , 2009, 47, .	0.9	5
25	Estimation of leaf area and clumping indexes of crops with hemispherical photographs. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 644-655.	1.9	200
26	Assessing the effects of the clumping phenomenon on BRDF of a maize crop based on 3D numerical scenes using DART model. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1341-1352.	1.9	46
27	A Modeling Approach for Studying Forest Chlorophyll Content. <i>Remote Sensing of Environment</i> , 2000, 71, 226-238.	4.6	111
28	Modeling of the radiation regime and photosynthesis of a finite canopy using the DART model. Influence of canopy architecture assumptions and border effects. <i>Agronomy for Sustainable Development</i> , 2000, 20, 259-270.	0.8	10
29	Seasonal variation of leaf chlorophyll content of a temperate forest. Inversion of the PROSPECT model. <i>International Journal of Remote Sensing</i> , 1999, 20, 879-894.	1.3	100
30	Modeling BRDF and Radiation Regime of Boreal and Tropical Forests. <i>Remote Sensing of Environment</i> , 1999, 68, 281-316.	4.6	91
31	Modeling radiative transfer in heterogeneous 3-D vegetation canopies. <i>Remote Sensing of Environment</i> , 1996, 58, 131-156.	4.6	373