Aleixandre Verger

List of Publications by Year
in descending order

58 papers	2,730 citations	201674 27 h-index	189892 50 g-index
60 all docs	60 docs citations	60 times ranked	4621 citing authors

#	Article	IF	Citations
1	Remote sensing of vegetation dynamics in drylands: Evaluating vegetation optical depth (VOD) using AVHRR NDVI and in situ green biomass data over West African Sahel. Remote Sensing of Environment, 2016, 177, 265-276.	11.0	174
2	Satellite passive microwaves reveal recent climate-induced carbon losses in African drylands. Nature Ecology and Evolution, 2018, 2, 827-835.	7.8	160
3	A comparison of methods for smoothing and gap filling time series of remote sensing observations â€“ application to MODIS LAI products. Biogeosciences, 2013, 10, 4055-4071.	3.3	157
4	Human population growth offsets climate-driven increase in woody vegetation in sub-Saharan Africa. Nature Ecology and Evolution, 2017, 1, 81.	7.8	156
5	Green area index from an unmanned aerial system over wheat and rapeseed crops. Remote Sensing of Environment, 2014, 152, 654-664.	11.0	151
6	Satelliteâ€Observed Major Greening and Biomass Increase in South China Karst During Recent Decade. Earth's Future, 2018, 6, 1017-1028.	6.3	143
7	Optimal modalities for radiative transfer-neural network estimation of canopy biophysical characteristics: Evaluation over an agricultural area with CHRIS/PROBA observations. Remote Sensing of Environment, 2011, 115, 415-426.	11.0	142
8	Performances of neural networks for deriving LAI estimates from existing CYCLOPES and MODIS products. Remote Sensing of Environment, 2008, 112, 2789-2803.	11.0	125
9	Groundâ€•and satelliteâ€based evidence of the biophysical mechanisms behind the greening Sahel. Global Change Biology, 2015, 21, 1610-1620.	9.5	114
10	Near Real-Time Vegetation Monitoring at Global Scale. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3473-3481.	4.9	106
11	Vegetation baseline phenology from kilometric global LAI satellite products. Remote Sensing of Environment, 2016, 178, 1-14.	11.0	101
12	Impacts of Global Change on Mediterranean Forests and Their Services. Forests, 2017, 8, 463.	2.1	98
13	Assessment of the impacts of climate change on Mediterranean terrestrial ecosystems based on data from field experiments and long-term monitored field gradients in Catalonia. Environmental and Experimental Botany, 2018, 152, 49-59.	4.2	96
14	Quality Assessment of PROBA-V LAI, fAPAR and fCOVER Collection 300 m Products of Copernicus Global Land Service. Remote Sensing, 2020, 12, 1017.	4.0	91
15	Woody plant cover estimation in drylands from Earth Observation based seasonal metrics. Remote Sensing of Environment, 2016, 172, 28-38.	11.0	89
16	A multisensor fusion approach to improve LAI time series. Remote Sensing of Environment, 2011, 115, 2460-2470.	11.0	75
17	The CACAO Method for Smoothing, Gap Filling, and Characterizing Seasonal Anomalies in Satellite Time Series. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1963-1972.	6.3	70
18	Remotely-sensed detection of effects of extreme droughts on gross primary production. Scientific Reports, 2016, 6, 28269.	3.3	64

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19	Atmospheric deposition, CO2, and change in the land carbon sink. Scientific Reports, 2017, 7, 9632.	3.3	62
20	Fodder Biomass Monitoring in Sahelian Rangelands Using Phenological Metrics from FAPAR Time Series. Remote Sensing, 2015, 7, 9122-9148.	4.0	49
21	Intercomparison and quality assessment of MERIS, MODIS and SEVIRI FAPAR products over the Iberian Peninsula. International Journal of Applied Earth Observation and Geoinformation, 2013, 21, 463-476.	2.8	48
22	Local Vegetation Trends in the Sahel of Mali and Senegal Using Long Time Series FAPAR Satellite Products and Field Measurement (1982â€“2010). Remote Sensing, 2014, 6, 2408-2434.	4.0	44
23	Photosynthetic light use efficiency from satellite sensors: From global to Mediterranean vegetation. Environmental and Experimental Botany, 2014, 103, 3-11.	4.2	37
24	Land surface phenology from VEGETATION and PROBA-V data. Assessment over deciduous forests. International Journal of Applied Earth Observation and Geoinformation, 2020, 84, 101974.	2.8	37
25	Accuracy assessment of fraction of vegetation cover and leaf area index estimates from pragmatic methods in a cropland area. International Journal of Remote Sensing, 2009, 30, 2685-2704.	2.9	34
26	GEOCLIM: A global climatology of LAI, FAPAR, and FCOVER from VEGETATION observations for 1999â€“2010. Remote Sensing of Environment, 2015, 166, 126-137.	11.0	33
27	Divergent Estimates of Forest Photosynthetic Phenology Using Structural and Physiological Vegetation Indices. Geophysical Research Letters, 2020, 47, e2020GL089167.	4.0	29
28	Prototyping of Land-SAF leaf area index algorithm with VEGETATION and MODIS data over Europe. Remote Sensing of Environment, 2009, 113, 2285-2297.	11.0	20
29	Empirical and Physical Estimation of Canopy Water Content from CHRIS/PROBA Data. Remote Sensing, 2013, 5, 5265-5284.	4.0	20
30	Evaluation and Normalization of Topographic Effects on Vegetation Indices. Remote Sensing, 2020, 12, 2290.	4.0	20
31	Harmonization of GEOV2 fAPAR time series through MODIS data for global drought monitoring. International Journal of Applied Earth Observation and Geoinformation, 2019, 80, 1-12.	2.8	18
32	Soil thawing regulates the spring growth onset in tundra and alpine biomes. Science of the Total Environment, 2020, 742, 140637.	8.0	16
33	A Broadband Green-Red Vegetation Index for Monitoring Gross Primary Production Phenology. Journal of Remote Sensing, 2022, 2022, .	6.7	16
34	Evaluation of VEGETATION and PROBA-V Phenology Using PhenoCam and Eddy Covariance Data. Remote Sensing, 2020, 12, 3077.	4.0	15
35	Improved Estimates of Arctic Land Surface Phenology Using Sentinel-2 Time Series. Remote Sensing, 2020, 12, 3738.	4.0	15
36	A Threshold Method for Robust and Fast Estimation of Land-Surface Phenology Using Google Earth Engine. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 601-606.	4.9	14

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37	GEOV2/VGT: near real time estimation of global biophysical variables from VEGETATION-P data. , 2013, , .		11
38	Retrieval of High Spatiotemporal Resolution Leaf Area Index with Gaussian Processes, Wireless Sensor Network, and Satellite Data Fusion. Remote Sensing, 2019, 11, 244.	4.0	11
39	Divergent Performances of Vegetation Indices in Extracting Photosynthetic Phenology for Northern Deciduous Broadleaf Forests. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	10
40	Spatiotemporally Representative and Cost-Efficient Sampling Design for Validation Activities in Wanglang Experimental Site. Remote Sensing, 2017, 9, 1217.	4.0	8
41	Assessment of Three Methods for Near Real-Time Estimation of Leaf Area Index From AVHRR Data. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1489-1497.	6.3	5
42	Validation of Sentinel-2, MODIS, CGLS, SAF, GLASS and C3S Leaf Area Index Products in Maize Crops. Remote Sensing, 2021, 13, 4529.	4.0	5
43	Smartphone Digital Photography for Fractional Vegetation Cover Estimation. Photogrammetric Engineering and Remote Sensing, 2022, 88, 303-310.	0.6	5
44	Monitoring the Responses of Deciduous Forest Phenology to 2000â€“2018 Climatic Anomalies in the Northern Hemisphere. Remote Sensing, 2021, 13, 2806.	4.0	4
45	Improving the Consistency and Continuity of MODIS 8 Day Leaf Area Index Products. International Journal of Electronics and Telecommunications, 2012, 58, 141-146.	0.5	4
46	Green Leaf Area and Fraction of Photosynthetically Active Radiation Absorbed by Vegetation. Springer Remote Sensing/photogrammetry, 2014, , 43-61.	0.4	3
47	Validation of MSG vegetation products: part I. Field retrieval of LAI and FVC from hemispherical photographs. , 2004, , .		2
48	Procedure for the regional scale mapping of FVC and LAI over land degradated areas in the DeSurvey project. , 2007, , .		2
49	Direct validation of FVC, LAI and FAPAR VEGETATION/SPOT derived products using LSA SAF methodology. , 2007, , .		2
50	PLC-C: An Integrated Method for Sentinel-2 Topographic and Angular Normalization. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1446-1450.	3.1	2
51	CaracterizaciÃ³n de la fenologÃa de la vegetaciÃ³n a escala global mediante series temporales SPOT VEGETATION. Revista De Teledeteccion, 2016, , 1.	0.6	2
52	Testing parametric BRDF models with CHRIS/PROBA acquisitions over agricultural crops. , 2004, 5568, 11.		1
53	Near-real time estimates of leaf area index from AVHRR time series data. , 2012, , .		1
54	Temporal Techniques in Remote Sensing of Global Vegetation. Remote Sensing and Digital Image Processing, 2016, , 217-232.	0.7	1

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55	Land surface phenology from Copernicus Global Land time series. , 2017, , .		1
56	Characterisation of Functional-Trait Dynamics at High Spatial Resolution in a Mediterranean Forest from Sentinel-2 and Ground-Truth Data. Remote Sensing, 2018, 10, 1874.	4.0	1
57	Quantification of LAI interannual anomalies by adjusting climatological patterns. , 2011, , .		0
58	Operational delivery of long time series of biophysical variables in the copernicus land service. , 2013, , .		0