Francisco Javier GarcÃa Haro

List of Publications by Year
in descending order

82 papers	**3,090** citations	136950 **32** h-index	161849 **54** g-index
83 all docs	**83** docs citations	**83** times ranked	**3656** citing authors

#	Article	IF	Citations
1	A comparison of STARFM and an unmixing-based algorithm for Landsat and MODIS data fusion. Remote Sensing of Environment, 2015, 156, 34-44.	11.0	284
2	The Satellite Application Facility for Land Surface Analysis. International Journal of Remote Sensing, 2011, 32, 2725-2744.	2.9	207
3	A generalized soil-adjusted vegetation index. Remote Sensing of Environment, 2002, 82, 303-310.	11.0	205
4	Modeling rates of ecosystem recovery after fires by using landsat TM data. Remote Sensing of Environment, 1997, 61, 383-398.	11.0	155
5	Characterization and intercomparison of global moderate resolution leaf area index (LAI) products: Analysis of climatologies and theoretical uncertainties. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 529-548.	3.0	149
6	Multitemporal and multiresolution leaf area index retrieval for operational local rice crop monitoring. Remote Sensing of Environment, 2016, 187, 102-118.	11.0	147
7	Linear spectral mixture modelling to estimate vegetation amount from optical spectral data. International Journal of Remote Sensing, 1996, 17, 3373-3400.	2.9	136
8	A new tool for variable multiple endmember spectral mixture analysis (VMESMA). International Journal of Remote Sensing, 2005, 26, 2135-2162.	2.9	99
9	Understanding deep learning in land use classification based on Sentinel-2 time series. Scientific Reports, 2020, 10, 17188.	3.3	99
10	Global Estimation of Biophysical Variables from Google Earth Engine Platform. Remote Sensing, 2018, 10, 1167.	4.0	75
11	Conventional and fuzzy comparisons of large scale land cover products: Application to CORINE, GLC2000, MODIS and GlobCover in Europe. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 74, 185-201.	11.1	73
12	Derivation of global vegetation biophysical parameters from EUMETSAT Polar System. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 139, 57-74.	11.1	68
13	Physics-aware Gaussian processes in remote sensing. Applied Soft Computing Journal, 2018, 68, 69-82.	7.2	67
14	Monitoring fire-affected areas using Thematic Mapper data. International Journal of Remote Sensing, 2001, 22, 533-549.	2.9	66
15	Retrieval of vegetation height in rice fields using polarimetric SAR interferometry with TanDEM-X data. Remote Sensing of Environment, 2017, 192, 30-44.	11.0	59
16	A Mixture Modeling Approach to Estimate Vegetation Parameters for Heterogeneous Canopies in Remote Sensing. Remote Sensing of Environment, 2000, 72, 328-345.	11.0	57
17	Exploitation of SAR and Optical Sentinel Data to Detect Rice Crop and Estimate Seasonal Dynamics of Leaf Area Index. Remote Sensing, 2017, 9, 248.	4.0	57
18	A methodology to generate a synergetic land-cover map by fusion of different land-cover products. International Journal of Applied Earth Observation and Geoinformation, 2012, 19, 72-87.	2.8	54

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19	Vegetation cover seasonal changes assessment from TM imagery in a semi-arid landscape. International Journal of Remote Sensing, 2004, 25, 3451-3476.	2.9	51
20	Noise Reduction and Gap Filling of fAPAR Time Series Using an Adapted Local Regression Filter. Remote Sensing, 2014, 6, 8238-8260.	4.0	49
21	Derivation of high-resolution leaf area index maps in support of validation activities: Application to the cropland Barrax site. Agricultural and Forest Meteorology, 2009, 149, 130-145.	4.8	48
22	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
23	Downscaling rice yield simulation at sub-field scale using remotely sensed LAI data. European Journal of Agronomy, 2019, 103, 108-116.	4.1	47
24	Spatial Rice Yield Estimation Based on MODIS and Sentinel-1 SAR Data and ORYZA Crop Growth Model. Remote Sensing, 2018, 10, 293.	4.0	46
25	Daily GPP estimates in Mediterranean ecosystems by combining remote sensing and meteorological data. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 102, 184-197.	11.1	45
26	A Critical Comparison of Remote Sensing Leaf Area Index Estimates over Rice-Cultivated Areas: From Sentinel-2 and Landsat-7/8 to MODIS, GEOV1 and EUMETSAT Polar System. Remote Sensing, 2018, 10, 763.	4.0	40
27	A comparison of direct and indirect methods for measuring leaf and surface areas of individual bushes. Plant, Cell and Environment, 1995, 18, 1332-1340.	5.7	39
28	Multitemporal Monitoring of Plant Area Index in the Valencia Rice District with PocketLAI. Remote Sensing, 2016, 8, 202.	4.0	38
29	Downstream Services for Rice Crop Monitoring in Europe: From Regional to Local Scale. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 5423-5441.	4.9	37
30	Joint Gaussian Processes for Biophysical Parameter Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1718-1727.	6.3	37
31	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
32	A Copernicus Sentinel-1 and Sentinel-2 Classification Framework for the 2020+ European Common Agricultural Policy: A Case Study in ValÃ¨ncia (Spain). Agronomy, 2019, 9, 556.	3.0	34
33	Extraction of Endmembers from Spectral Mixtures. Remote Sensing of Environment, 1999, 68, 237-253.	11.0	33
34	A high-resolution, integrated system for rice yield forecasting at district level. Agricultural Systems, 2019, 168, 181-190.	6.1	32
35	Airborne measurement of hot spot reflectance signatures. Remote Sensing of Environment, 2004, 90, 63-75.	11.0	28
36	Mapping Leaf Area Index With a Smartphone and Gaussian Processes. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2501-2505.	3.1	27

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37	Characterizing land condition variability in Ferlo, Senegal (2001â€"2009) using multi-temporal 1-km Apparent Green Cover (AGC) SPOT Vegetation data. Global and Planetary Change, 2011, 76, 152-165.	3.5	23
38	Identification of Ecosystem Functional Types from Coarse Resolution Imagery Using a Self-Organizing Map Approach: A Case Study for Spain. Remote Sensing, 2014, 6, 11391-11419.	4.0	22
39	A global canopy water content product from AVHRR/Metop. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 162, 77-93.	11.1	22
40	A fast canopy reflectance model to simulate realistic remote sensing scenarios. Remote Sensing of Environment, 2002, 81, 205-227.	11.0	20
41	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
42	Potential improvement for forest cover and forest degradation mapping with the forthcoming Sentinel-2 program. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7/W3, 417-423.	0.2	20
43	Climate Data Records of Vegetation Variables from Geostationary SEVIRI/MSG Data: Products, Algorithms and Applications. Remote Sensing, 2019, 11, 2103.	4.0	17
44	Effect of the spatial resolution on landscape control of soil fertility in a semiarid area. Journal of Soils and Sediments, 2012, 12, 471-485.	3.0	16
45	Assessing the Sentinel-2 Capabilities to Identify Abandoned Crops Using Deep Learning. Agronomy, 2021, 11, 654.	3.0	15
46	A radiosity model for heterogeneous canopies in remote sensing. Journal of Geophysical Research, 1999, 104, 12159-12175.	3.3	14
47	Geostatistics for Mapping Leaf Area Index over a Cropland Landscape: Efficiency Sampling Assessment. Remote Sensing, 2010, 2, 2584-2606.	4.0	13
48	Combining hyperspectral UAV and multispectral Formosat-2 imagery for precision agriculture applications. , 2014, , .		12
49	Evaluation of the LSA-SAF gross primary production product derived from SEVIRI/MSG data (MGPP). ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 159, 220-236.	11.1	12
50	The Potential of High Resolution (5 m) RapidEye Optical Data to Estimate Above Ground Biomass at the National Level over Tanzania. Forests, 2019, 10, 107.	2.1	11
51	A directional spectral mixture analysis method: application to multiangular airborne measurements. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 365-377.	6.3	10
52	Incorporating Sub-Dominant Classes in the Accuracy Assessment of Large-Area Land Cover Products: Application to GlobCover, MODISLC, GLC2000 and CORINE in Spain. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 187-205.	4.9	10
53	Exploring Ecosystem Functioning in Spain with Gross and Net Primary Production Time Series. Remote Sensing, 2022, 14, 1310.	4.0	10
54	Retrieval of daily gross primary production over Europe and Africa from an ensemble of SEVIRI/MSG products. International Journal of Applied Earth Observation and Geoinformation, 2018, 65, 124-136.	2.8	8

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55	Gap Filling of Biophysical Parameter Time Series with Multi-Output Gaussian Processes. , 2018, , .		7
56	Testing Multi-Sensors Time Series of Lai Estimates to Monitor Rice Phenology: Preliminary Results. , 2018, , .		7
57	Remote Sensing and Bio-Geochemical Modeling of Forest Carbon Storage in Spain. Remote Sensing, 2020, 12, 1356.	4.0	7
58	Vulnerabilidad de la vegetaciÃ³n a la sequÃa en EspaÃ±a. Revista De Teledeteccion, 2014, , 29.	0.6	6
59	Deep learning para la clasificaciÃ³n de usos de suelo agrÃcola con Sentinel-2. Revista De Teledeteccion, 2020, , 35.	0.6	4
60	Validation of MSG vegetation products: part I. Field retrieval of LAI and FVC from hemispherical photographs. , 2004, , .		2
61	Prototyping algorithm for retrieving FAPAR using MSG data in the context of the LSA SAF project. , 2007, , .		2
62	Procedure for the regional scale mapping of FVC and LAI over land degradated areas in the DeSurvey project. , 2007, , .		2
63	Direct validation of FVC, LAI and FAPAR VEGETATION/SPOT derived products using LSA SAF methodology. , 2007, , .		2
64	Intercomparison of instruments for measuring leaf area index over rice. , 2015, , .		2
65	Development of an earth observation processing chain for crop bio-physical parameters at local scale. , 2015, , .		1
66	USE OF SMARTPHONES AS MEASURING TOOLS FOR EDUCATIONAL PURPOSES IN REMOTE SENSING. , 2017, , .		1
67	Machine Learning Methods for Spatial and Temporal Parameter Estimation. Advances in Computer Vision and Pattern Recognition, 2020, , 5-35.	1.3	1
68	<title>Exploring the possibilities of a vegetation index (GESAVI) from remotely sensed data</title>. , 2001, , .		0
69	Prototyping algorithm for retrieving vegetation parameters from the MSG and EPS EUMETSAT platforms. , 2004, , .		0
70	Global mapping of vegetation parameters from SEVIRI/MSG data. , 2004, , .		0
71	Methodology to validate MSG vegetation products: part II. Geostatistical approaches for upscaling field data to high-resolution satellite scales. , 2004, 5568, 123.		0
72	Patterns Comparison Between Gome-2 Sun-Induced Fluorescence and Msg Gross Primary Production. , 2018, , .		0

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73	Generation of Global Vegetation Products from Eumetsat AVHRR/METOP Satellites. , 2018, , .		0
74	Drought Monitoring In The Mediterranean Basin Using The Seviri/Msg Gpp Product (Mgpp). , 2020, , .		0
75	LSA SAF: a long-term service of vegetation variables for modelling terrestrial ecosystems at regional and global scales. , 2021, , .		0
76	Supporting the Common Agricultural Policy with Sentinel-2 data and deep recurrent networks. , 2021, , .		0
77	Variable Multiple Endmember Spectral Mixture Analysis for Geology Applications. Remote Sensing and Digital Image Processing, 2004, , 181-200.	0.7	0
78	AN EDUCATIONAL SOFTWARE FOR REMOTE SENSING. , 2016, , .		0
79	TIME SERIES ANALYSIS AS A TOOL TO EXAMINATE THE CLIMATE SYSTEM. , 2016, , .		0
80	SPECTROSCOPY EXPERIENCES IN POST-GRADUATE UNIVERSITY EDUCATION. , 2017, , .		0
81	Combining remote sensing data and ecosystem modeling to map rooting depth. , 2019, , .		0
82	Potencial del producto SEVIRI/MSG GPP en la detecciÃ³n de zonas afectadas por estrÃ©s hÃdrico. Revista De Teledeteccion, 2020, , 17.	0.6	0