Jesus Delegido

List of Publications by Year
in descending order

50 papers	2,782 citations	279798 23 h-index	265206 42 g-index
51 all docs	51 docs citations	51 times ranked	3263 citing authors

#	Article	IF	Citations
1	Evaluation of Sentinel-2 Red-Edge Bands for Empirical Estimation of Green LAI and Chlorophyll Content. Sensors, 2011, 11, 7063-7081.	3.8	410
2	Machine learning regression algorithms for biophysical parameter retrieval: Opportunities for Sentinel-2 and -3. Remote Sensing of Environment, 2012, 118, 127-139.	11.0	400
3	A red-edge spectral index for remote sensing estimation of green LAI over agroecosystems. European Journal of Agronomy, 2013, 46, 42-52.	4.1	214
4	Retrieval of Vegetation Biophysical Parameters Using Gaussian Process Techniques. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 1832-1843.	6.3	201
5	Creep and recovery experimental investigation of low oil content food emulsions. Food Hydrocolloids, 2008, 22, 421-427.	10.7	151
6	Spectral band selection for vegetation properties retrieval using Gaussian processes regression. International Journal of Applied Earth Observation and Geoinformation, 2016, 52, 554-567.	2.8	125
7	Upward and downward solar-induced chlorophyll fluorescence yield indices of four tree species as indicators of traffic pollution in Valencia. Environmental Pollution, 2013, 173, 29-37.	7.5	89
8	Estimating chlorophyll content of crops from hyperspectral data using a normalized area over reflectance curve (NAOC). International Journal of Applied Earth Observation and Geoinformation, 2010, 12, 165-174.	2.8	88
9	Multi-Crop Green LAI Estimation with a New Simple Sentinel-2 LAI Index (SeLI). Sensors, 2019, 19, 904.	3.8	88
10	Evaluation of Atmospheric Correction Algorithms over Spanish Inland Waters for Sentinel-2 Multi Spectral Imagery Data. Remote Sensing, 2019, 11, 1469.	4.0	84
11	Flow and thixotropy of non-contaminating oil drilling fluids formulated with bentonite and sodium carboxymethyl cellulose. Journal of Petroleum Science and Engineering, 2007, 57, 294-302.	4.2	83
12	Influence of xanthan gum and locust bean gum upon flow and thixotropic behaviour of food emulsions containing modified starch. Journal of Food Engineering, 2007, 81, 179-186.	5.2	78
13	Integrated satellite data fusion and mining for monitoring lake water quality status of the Albufera de Valencia in Spain. Journal of Environmental Management, 2015, 151, 416-426.	7.8	76
14	On the Semi-Automatic Retrieval of Biophysical Parameters Based on Spectral Index Optimization. Remote Sensing, 2014, 6, 4927-4951.	4.0	75
15	Brown and green LAI mapping through spectral indices. International Journal of Applied Earth Observation and Geoinformation, 2015, 35, 350-358.	2.8	61
16	Oscillatory measurements for salad dressings stabilized with modified starch, xanthan gum, and locust bean gum. Journal of Applied Polymer Science, 2006, 102, 897-903.	2.6	59
17	Remote sensing of cyanobacterial blooms in a hypertrophic lagoon (Albufera of ValÃ¨ncia, Eastern) Tj ETQq1 1 0.784314 rgBT /Overlo 134305.	8.0	46
18	Retrieval of canopy water content of different crop types with two new hyperspectral indices: Water Absorption Area Index and Depth Water Index. International Journal of Applied Earth Observation and Geoinformation, 2018, 67, 69-78.	2.8	44

#	ARTICLE	IF	CITATIONS
19	Chlorophyll content mapping of urban vegetation in the city of Valencia based on the hyperspectral NAOC index. Ecological Indicators, 2014, 40, 34-42.	6.3	32
20	Retrieval of Evapotranspiration from Sentinel-2: Comparison of Vegetation Indices, Semi-Empirical Models and SNAP Biophysical Processor Approach. Agronomy, 2019, 9, 663.	3.0	30
21	Shear Stress Synergism Index and Relative Thixotropic Area. Journal of Pharmaceutical Sciences, 1995, 84, 728-732.	3.3	29
22	Calibration and validation of algorithms for the estimation of chlorophyll-a concentration and Secchi depth in inland waters with Sentinel-2. , 2019, 38, 471-487.		27
23	Remote Estimation of Crop Chlorophyll Content by Means of High‐Spectral‐Resolution Reflectance Techniques. Agronomy Journal, 2011, 103, 1834-1842.	1.8	26
24	Validation of Water Quality Monitoring Algorithms for Sentinel-2 and Sentinel-3 in Mediterranean Inland Waters with In Situ Reflectance Data. Water (Switzerland), 2021, 13, 686.	2.7	26
25	Water quality assessment using Sentinel-2 imagery with estimates of chlorophyll a, Secchi disk depth, and Cyanobacteria cell number: the Cantareira System reservoirs (São Paulo, Brazil). Environmental Science and Pollution Research, 2021, 28, 34990-35011.	5.3	21
26	RHEOLOGICAL CHARACTERIZATION OF EASY-TO-DISPERSE (ETD) CARBOPOL HYDROGELS. Journal of Dispersion Science and Technology, 1998, 19, 31-42.	2.4	20
27	Assessment of Multi-Date Sentinel-1 Polarizations and GLCM Texture Features Capacity for Onion and Sunflower Classification in an Irrigated Valley: An Object Level Approach. Agronomy, 2020, 10, 845.	3.0	20
28	Viscous Synergism in Carrageenans (κ and λ) and Locust Bean Gum Mixtures: Influence of Adding Sodium Carboxymethylcellulose. Food Science and Technology International, 2001, 7, 383-391.	2.2	18
29	Towards the Combination of C2RCC Processors for Improving Water Quality Retrieval in Inland and Coastal Areas. Remote Sensing, 2022, 14, 1124.	4.0	17
30	Monitoring the ecological state of a hypertrophic lake (Albufera of Valéncia, Spain) using multitemporal Sentinel-2 images. , 2019, 38, 457-469.		14
31	Monitoring water transparency of a hypertrophic lake (the Albufera of Valéncia) using multitemporal Sentinel-2 satellite images. , 2020, 39, 373-386.		14
32	Improving the remote estimation of soil organic carbon in complex ecosystems with Sentinel-2 and GIS using Gaussian processes regression. Plant and Soil, 2022, 479, 159-183.	3.7	13
33	Influence of shear rate and concentration ratio on viscous synergism. Application to xanthan—locust bean gum— NaCMC mixtures Influencia de la velocidad de cizalla y la relación de concentraciones en la sinergia viscosa. Aplicación a mezclas de xantana-garrofín-CMCNa. Food Science and Technology International, 2000, 6, 415-423.	2.2	11
34	Thixotropic Behavior of Salad Dressings Stabilized with Modified Starch, Pectin, and Gellan Gum. Influence of Temperature. Journal of Dispersion Science and Technology, 2008, 29, 213-219.	2.4	11
35	Remote sensing application for the study of rapid flushing to remediate eutrophication in shallow lagoons (Albufera of Valencia). Hydrobiologia, 2019, 829, 125-132.	2.0	10
36	Multi-predictor mapping of soil organic carbon in the alpine tundra: a case study for the central Ecuadorian páramo. Carbon Balance and Management, 2021, 16, 32.	3.2	9

#	Article	IF	Citations
37	Chlorophyll and Suspended Solids Estimation in Portuguese Reservoirs (Aguieira and Alqueva) from Sentinel-2 Imagery. Water (Switzerland), 2021, 13, 2479.	2.7	8
38	Analysis of stability of food emulsions by Eyring's theory: Influence of different biopolymers. Journal of Applied Polymer Science, 2004, 92, 2653-2657.	2.6	7
39	Kinetic interpretation of influence of sodium chloride concentration and temperature on xanthan gum dispersion flow model. Journal of Applied Polymer Science, 2002, 83, 332-339.	2.6	6
40	A New Algorithm for the Retrieval of Sun Induced Chlorophyll Fluorescence of Water Bodies Exploiting the Detailed Spectral Shape of Water-Leaving Radiance. Remote Sensing, 2021, 13, 329.	4.0	6
41	An Inexpensive and Accurate Tensiometer Using an Electronic Balance. Journal of Chemical Education, 2001, 78, 1257.	2.3	5
42	A Low-Cost Experiment on Newtonian and Non-Newtonian Fluids. Journal of Chemical Education, 2005, 82, 445.	2.3	5
43	Canopy chlorophyll content and LAI estimation from Sentine1-2: vegetation indices and Sentine1-2 Leve1-2A automatic products comparison. , 2019, , .		5
44	Phycocyanin Monitoring in Some Spanish Water Bodies with Sentinel-2 Imagery. Water (Switzerland), 2021, 13, 2866.	2.7	5
45	Estimating Organic and Inorganic Part of Suspended Solids from Sentinel 2 in Different Inland Waters. Water (Switzerland), 2021, 13, 2453.	2.7	4
46	Comparison of MODIS and Landsat-8 retrievals of Chlorophyll-a and water temperature over Lake Titicaca. , 2016, , .		3
47	Calibration and Validation of Algorithms for the Estimation of Chlorophyll-A in Inland Waters with Sentinel-2. , 2018, , .		3
48	Mar Menor lagoon (SE Spain) chlorophyll-a and turbidity estimation with Sentinel-2. , 2022, 41, 1.		3
49	PSEUDOPLASTICITY AND THIXOTROPY OF DIFFERENT TYPES OF STARCH HYDROGELS PREPARED WITH MICROCRYSTALLINE CELLULOSE-SODIUM CARBOXYMETHYL CELLULOSE. Journal of Dispersion Science and Technology, 1995, 16, 283-294.	2.4	2
50	Remote Estimation of Canopy Water Content in Different Crop Types with New Hyperspectral Indices. , 2018, , .		0