

Jaime Pitarch

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

589
citations

687363

13
h-index

610901

24
g-index

34
all docs

34
docs citations

34
times ranked

846
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical properties of Forel-Ule water types deduced from 15 years of global satellite ocean color observations. <i>Remote Sensing of Environment</i> , 2019, 231, 111249.	11.0	57
2	Remote sensing of chlorophyll in the Baltic Sea at basin scale from 1997 to 2012 using merged multi-sensor data. <i>Ocean Science</i> , 2016, 12, 379-389.	3.4	56
3	Integration of in-situ and multi-sensor satellite observations for long-term water quality monitoring in coastal areas. <i>Remote Sensing of Environment</i> , 2020, 239, 111632.	11.0	54
4	Determination of the permittivity and permeability for waveguides partially loaded with isotropic samples. <i>Measurement Science and Technology</i> , 2006, 17, 145-152.	2.6	48
5	MERIS observations of phytoplankton blooms in a stratified eutrophic lake. <i>Remote Sensing of Environment</i> , 2012, 126, 232-239.	11.0	44
6	Influence of photoacclimation on the phytoplankton seasonal cycle in the Mediterranean Sea as seen by satellite. <i>Remote Sensing of Environment</i> , 2016, 184, 595-604.	11.0	43
7	Global Variability of Optical Backscattering by Non-algal particles From a Biogeochemical Argo Data Set. <i>Geophysical Research Letters</i> , 2019, 46, 9767-9776.	4.0	41
8	Global Distribution of Non-algal Particles From Ocean Color Data and Implications for Phytoplankton Biomass Detection. <i>Geophysical Research Letters</i> , 2018, 45, 7672-7682.	4.0	28
9	Enhancement of Sensitivity of Microwave Planar Sensors With EBG Structures. <i>IEEE Sensors Journal</i> , 2006, 6, 1518-1522.	4.7	22
10	A Review of Secchi's Contribution to Marine Optics and the Foundation of Secchi Disk Science. <i>Oceanography</i> , 2020, 33, .	1.0	20
11	Global maps of Forel-Ule index, hue angle and Secchi disk depth derived from 21 years of monthly ESA Ocean Colour Climate Change Initiative data. <i>Earth System Science Data</i> , 2021, 13, 481-490.	9.9	19
12	Retrieval of Particulate Backscattering Using Field and Satellite Radiometry: Assessment of the QAA Algorithm. <i>Remote Sensing</i> , 2020, 12, 77.	4.0	16
13	The QAA-RGB: A universal three-band absorption and backscattering retrieval algorithm for high resolution satellite sensors. Development and implementation in ACOLITE. <i>Remote Sensing of Environment</i> , 2021, 265, 112667.	11.0	16
14	Improving the Retrieval of Carbon-Based Phytoplankton Biomass from Satellite Ocean Colour Observations. <i>Remote Sensing</i> , 2020, 12, 3640.	4.0	15
15	COVID-19 lockdown effects on a coastal marine environment: Disentangling perception versus reality. <i>Science of the Total Environment</i> , 2022, 817, 153002.	8.0	14
16	Absorption correction and phase function shape effects on the closure of apparent optical properties. <i>Applied Optics</i> , 2016, 55, 8618.	2.1	13
17	Use of the quasi-analytical algorithm to retrieve backscattering from in-situ data in the Mediterranean Sea. <i>Remote Sensing Letters</i> , 2016, 7, 591-600.	1.4	11
18	Determination of the remote-sensing reflectance from above-water measurements with the $\omega_{0.3C}$ model: a further assessment. <i>Optics Express</i> , 2020, 28, 15885.	3.4	11

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19	Retrieval of vertical particle concentration profiles by optical remote sensing: a model study. <i>Optics Express</i> , 2014, 22, A947.	3.4	10
20	Biases in ocean color over a Secchi disk. <i>Optics Express</i> , 2017, 25, A1124.	3.4	10
21	Linking flow-stream variability to grain size distribution of suspended sediment from a satellite-based analysis of the Tiber River plume (Tyrrhenian Sea). <i>Scientific Reports</i> , 2019, 9, 19729.	3.3	8
22	Assessing biomass and primary production of microphytobenthos in depositional coastal systems using spectral information. <i>PLoS ONE</i> , 2021, 16, e0246012.	2.5	8
23	The impact of sea bottom effects on the retrieval of water constituent concentrations from MERIS and OLCI images in shallow tidal waters supported by radiative transfer modeling. <i>Remote Sensing of Environment</i> , 2020, 237, 111596.	11.0	7
24	Evaluation and reformulation of the maximum peak height algorithm (MPH) and application in a hypertrophic lagoon. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 1206-1221.	2.6	5
25	Air-Sea Interaction in the Central Mediterranean Sea: Assessment of Reanalysis and Satellite Observations. <i>Remote Sensing</i> , 2021, 13, 2188.	4.0	5
26	Efficient Modal Analysis of Bianisotropic Waveguides by the Coupled Mode Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007, 55, 108-116.	4.6	4
27	Retrieval of Particle Scattering Coefficients and Concentrations by Genetic Algorithms in Stratified Lake Water. <i>Remote Sensing</i> , 2014, 6, 9530-9551.	4.0	2
28	Modeling Microwave Power Structures Based on K-Furcated Waveguides Arbitrarily Filled with Materials by Modal Techniques. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2006, 41, 46-61.	0.8	1
29	Multimodal Retrieval of the Scattering Parameters of a Coaxial-to-Waveguide Transition. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021, , 1-1.	4.6	1
30	Single dual mode (continuous and cast) instrumentation package for inherent optical property measurements: Characterization of the bucket for backscattering observation. <i>Limnology and Oceanography: Methods</i> , 2021, 19, 510-522.	2.0	0