CÃ©dric Jamet

List of Publications by Year
in descending order

45	1,423	394421	330143
papers	citations	19 h-index	37 g-index

45	45	45	1796
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of four atmospheric correction algorithms for MODIS-Aqua images over contrasted coastal waters. Remote Sensing of Environment, 2013, 131, 63-75.	11.0	128
2	Atmospheric correction over coastal waters using multilayer neural networks. Remote Sensing of Environment, 2017, 199, 218-240.	11.0	103
3	Comparison of three SeaWiFS atmospheric correction algorithms for turbid waters using AERONET-OC measurements. Remote Sensing of Environment, 2011, 115, 1955-1965.	11.0	96
4	Earth Observations for Monitoring Marine Coastal Hazards and Their Drivers. Surveys in Geophysics, 2020, 41, 1489-1534.	4.6	91
5	Going Beyond Standard Ocean Color Observations: Lidar and Polarimetry. Frontiers in Marine Science, 2019, 6, .	2.5	80
6	Simultaneous retrieval of selected optical water quality indicators from Landsat-8, Sentinel-2, and Sentinel-3. Remote Sensing of Environment, 2022, 270, 112860.	11.0	73
7	Evaluation of Five Atmospheric Correction Algorithms over French Optically-Complex Waters for the Sentinel-3A OLCI Ocean Color Sensor. Remote Sensing, 2019, 11, 668.	4.0	64
8	Assessment and analysis of the chlorophyll-a concentration variability over the Vietnamese coastal waters from the MERIS ocean color sensor (2002â€“2012). Remote Sensing of Environment, 2017, 190, 217-232.	11.0	63
9	Use of a Neurovariational Inversion for Retrieving Oceanic and Atmospheric Constituents from Ocean Color Imagery: A Feasibility Study. Journal of Atmospheric and Oceanic Technology, 2005, 22, 460-475.	1.3	53
10	Retrieving the vertical distribution of chlorophyll a concentration and phytoplankton community composition from in situ fluorescence profiles: A method based on a neural network with potential for globalâ€scale applications. Journal of Geophysical Research: Oceans, 2015, 120, 451-470.	2.6	53
11	Automatic classification of water-leaving radiance anomalies from global SeaWiFS imagery: Application to the detection of phytoplankton groups in open ocean waters. Remote Sensing of Environment, 2014, 146, 97-112.	11.0	51
12	A neural networkâ€based method for merging ocean color and Argo data to extend surface bioâ€optical properties to depth: Retrieval of the particulate backscattering coefficient. Journal of Geophysical Research: Oceans, 2016, 121, 2552-2571.	2.6	50
13	An Inverse Model for Estimating the Optical Absorption and Backscattering Coefficients of Seawater From Remoteâ€Sensing Reflectance Over a Broad Range of Oceanic and Coastal Marine Environments. Journal of Geophysical Research: Oceans, 2018, 123, 2141-2171.	2.6	49
14	Use of a neuro-variational inversion for retrieving oceanic and atmospheric constituents from satellite ocean colour sensor: Application to absorbing aerosols. Neural Networks, 2006, 19, 178-185.	5.9	47
15	A Review of Protocols for Fiducial Reference Measurements of Downwelling Irradiance for the Validation of Satellite Remote Sensing Data over Water. Remote Sensing, 2019, 11, 1742.	4.0	37
16	Estimation of the oceanic pCO₂ in the North Atlantic from VOS lines in-situ measurements: parameters needed to generate seasonally mean maps. Annales Geophysicae, 2007, 25, 2247-2257.	1.6	33
17	Coastal and inland water pixels extraction algorithm (WiPE) from spectral shape analysis and HSV transformation applied to Landsat 8 OLI and Sentinel-2 MSI. Remote Sensing of Environment, 2019, 223, 208-228.	11.0	33
18	Vertical distribution of subsurface phytoplankton layer in South China Sea using airborne lidar. Remote Sensing of Environment, 2021, 263, 112567.	11.0	29

#	Article	IF	Citations
19	Spectral relationships for atmospheric correction II Improving NASA's standard and MUMM near infra-red modeling schemes. Optics Express, 2013, 21, 21176.	3.4	21
20	Integrating Inland and Coastal Water Quality Data for Actionable Knowledge. Remote Sensing, 2021, 13, 2899.	4.0	20
21	Evaluation of Four Atmospheric Correction Algorithms for GOCI Images over the Yellow Sea. Remote Sensing, 2019, 11, 1631.	4.0	19
22	A three-step semi analytical algorithm (3SAA) for estimating inherent optical properties over oceanic, coastal, and inland waters from remote sensing reflectance. Remote Sensing of Environment, 2021, 263, 112537.	11.0	18
23	Harnessing remote sensing to address critical science questions on ocean-atmosphere interactions. Elementa, 2018, 6, .	3.2	18
24	Spectral relationships for atmospheric correction I Validation of red and near infra-red marine reflectance relationships. Optics Express, 2013, 21, 21162.	3.4	17
25	Evaluation of the MODIS-Aqua Sea-Surface Temperature product in the inner and mid-shelves of southwest Buenos Aires Province, Argentina. International Journal of Remote Sensing, 2014, 35, 306-320.	2.9	17
26	OLE: A Novel Oceanic Lidar Emulator. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9730-9744.	6.3	17
27	Validation of chlorophyll-Î± concentration maps from Aqua MODIS over the Gulf of Gabes (Tunisia): comparison between MedOC3 and OC3M bio-optical algorithms. International Journal of Remote Sensing, 2013, 34, 7163-7177.	2.9	16
28	Early Warning from Space for a Few Key Tipping Points in Physical, Biological, and Social-Ecological Systems. Surveys in Geophysics, 2020, 41, 1237-1284.	4.6	16
29	Seasonal and Inter-Annual Analysis of Chlorophyll-a and Inherent Optical Properties from Satellite Observations in the Inner and Mid-Shelves of the South of Buenos Aires Province (Argentina). Remote Sensing, 2015, 7, 11821-11847.	4.0	15
30	Evaluation of Sentinel-2/MSI Atmospheric Correction Algorithms over Two Contrasted French Coastal Waters. Remote Sensing, 2022, 14, 1099.	4.0	15
31	Estimation of the Potential Detection of Diatom Assemblages Based on Ocean Color Radiance Anomalies in the North Sea. Frontiers in Marine Science, 2017, 4, .	2.5	12
32	A Semianalytic Monte Carlo Simulator for Spaceborne Oceanic Lidar: Framework and Preliminary Results. Remote Sensing, 2020, 12, 2820.	4.0	11
33	Validation of a neuro-variational inversion of ocean colour images. Advances in Space Research, 2006, 38, 2169-2175.	2.6	8
34	Seasonal Cycles of Phytoplankton Expressed by Sine Equations Using the Daily Climatology from Satellite-Retrieved Chlorophyll-a Concentration (1997â€“2019) Over Global Ocean. Remote Sensing, 2020, 12, 2662.	4.0	8
35	Error Budget in the Validation of Radiometric Products Derived from OLCI around the China Sea from Open Ocean to Coastal Waters Compared with MODIS and VIIRS. Remote Sensing, 2019, 11, 2400.	4.0	7
36	Mapping Submerged Aquatic Vegetation along the Central Vietnamese Coast Using Multi-Source Remote Sensing. ISPRS International Journal of Geo-Information, 2020, 9, 395.	2.9	7

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37	Colored dissolved organic matter absorption at global scale from ocean color radiometry observation: Spatio-temporal variability and contribution to the absorption budget. Remote Sensing of Environment, 2021, 265, 112637.	11.0	7
38	Atmospheric Correction of Multi-Spectral Littoral Images Using a PHOTONS/AERONET-Based Regional Aerosol Model. Remote Sensing, 2017, 9, 814.	4.0	6
39	Atmospheric correction algorithm over coastal and inland waters based on the red and NIR bands: application to Landsat-8/OLI and VNREDSat-1/NAOMI observations. Optics Express, 2019, 27, 31676.	3.4	4
40	LiDAR Remote Sensing for Vertical Distribution of Seawater Optical Properties and Chlorophyll-a From the East China Sea to the South China Sea. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-21.	6.3	4
41	Analytical model to derive suspended particulate matter concentration in natural waters by inversion of optical attenuation and backscattering. , 2018, , .		3
42	Nonlinear atmospheric variability in the winter northeast Pacific associated with the Madden-Julian oscillation. Geophysical Research Letters, 2005, 32, .	4.0	2
43	Empirical nonlinear determination of the diffuse attenuation coefficient Kd(490) in coastal waters from ocean color images. , 2010, , .		1
44	Estimation of the diffuse attenuation coefficient Kd(lambda) with a neural network inversion. , 2011, , .		1
45	Multiple scattering effect of water clouds on spaceborne oceanic lidar signals. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 288, 108253.	2.3	0