

Stéphane Maritorea

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

6,719
citations

331259

21
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552369

26
g-index

27
all docs

27
docs citations

27
times ranked

4823
citing authors

#	ARTICLE	IF	CITATIONS
1	Ocean color chlorophyll algorithms for SeaWiFS. <i>Journal of Geophysical Research</i> , 1998, 103, 24937-24953.	3.3	1,936
2	Bio-optical properties of oceanic waters: A reappraisal. <i>Journal of Geophysical Research</i> , 2001, 106, 7163-7180.	3.3	898
3	Optimization of a semianalytical ocean color model for global-scale applications. <i>Applied Optics</i> , 2002, 41, 2705.	2.1	779
4	Atmospheric correction of satellite ocean color imagery: the black pixel assumption. <i>Applied Optics</i> , 2000, 39, 3582.	2.1	446
5	Generalized ocean color inversion model for retrieving marine inherent optical properties. <i>Applied Optics</i> , 2013, 52, 2019.	0.9	366
6	Merged satellite ocean color data products using a bio-optical model: Characteristics, benefits and issues. <i>Remote Sensing of Environment</i> , 2010, 114, 1791-1804.	4.6	364
7	Diffuse reflectance of oceanic shallow waters: Influence of water depth and bottom albedo. <i>Limnology and Oceanography</i> , 1994, 39, 1689-1703.	1.6	342
8	Consistent merging of satellite ocean color data sets using a bio-optical model. <i>Remote Sensing of Environment</i> , 2005, 94, 429-440.	4.6	270
9	An overview of approaches and challenges for retrieving marine inherent optical properties from ocean color remote sensing. <i>Progress in Oceanography</i> , 2018, 160, 186-212.	1.5	257
10	Independence and interdependencies among global ocean color properties: Reassessing the bio-optical assumption. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	170
11	The Ocean Colour Climate Change Initiative: III. A round-robin comparison on in-water bio-optical algorithms. <i>Remote Sensing of Environment</i> , 2015, 162, 271-294.	4.6	161
12	OCEAN SCIENCE: The Many Shades of Ocean Blue. <i>Science</i> , 2003, 302, 1514-1515.	6.0	105
13	Variability in optical particle backscattering in contrasting bio-optical oceanic regimes. <i>Limnology and Oceanography</i> , 2011, 56, 955-973.	1.6	93
14	Annual cycles of phytoplankton biomass in the subarctic Atlantic and Pacific Ocean. <i>Global Biogeochemical Cycles</i> , 2016, 30, 175-190.	1.9	71
15	Determination of the fluorescence quantum yield by oceanic phytoplankton in their natural habitat. <i>Applied Optics</i> , 2000, 39, 6725.	2.1	69
16	An Evaluation of Oceanographic Radiometers and Deployment Methodologies. <i>Journal of Atmospheric and Oceanic Technology</i> , 2000, 17, 811-830.	0.5	68
17	Simultaneous retrieval of oceanic and atmospheric parameters for ocean color imagery by spectral optimization: a validation. <i>Remote Sensing of Environment</i> , 2003, 84, 208-220.	4.6	60
18	Airborne mapping of benthic reflectance spectra with Bayesian linear mixtures. <i>Remote Sensing of Environment</i> , 2017, 200, 18-30.	4.6	59

#	ARTICLE	IF	CITATIONS
19	PHOTOACCLIMATION IN THE TROPICAL CORALLINE ALGAE HYDROLITHON ONKODES (RHODOPHYTA). <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 417, 1-11.	0.784314	17
20	Shedding Light on the Sea: André Morel's Legacy to Optical Oceanography. <i>Annual Review of Marine Science</i> , 2014, 6, 1-21.	5.1	34
21	Optical assessment of particle size and composition in the Santa Barbara Channel, California. <i>Applied Optics</i> , 2012, 51, 3171.	0.9	30
22	Modeling surface ocean phytoplankton pigments from hyperspectral remote sensing reflectance on global scales. <i>Remote Sensing of Environment</i> , 2022, 270, 112879.	4.6	22
23	Ocean Colour Climate Change Initiative — Approach and initial results. , 2012, , .		20
24	Satellite assessment of particulate matter and phytoplankton variations in the Santa Barbara Channel and its surrounding waters: Role of surface waves. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 355-371.	1.0	19
25	A three-step semi analytical algorithm (3SAA) for estimating inherent optical properties over oceanic, coastal, and inland waters from remote sensing reflectance. <i>Remote Sensing of Environment</i> , 2021, 263, 112537.	4.6	18
26	A global compilation of in situ aquatic high spectral resolution inherent and apparent optical property data for remote sensing applications. <i>Earth System Science Data</i> , 2020, 12, 1123-1139.	3.7	12
27	Photoacclimatization in the zooxanthellae of <i>Pocillopora verrucosa</i> and comparison with a pelagic algal community. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeenne De Oceanologie</i> , 2002, 25, 125-134.	0.7	3