StÃ©phane Maritorena

List of Publications by Year
in descending order

27 papers	6,719 citations	331259 21 h-index	552369 26 g-index
27 all docs	27 docs citations	27 times ranked	4823 citing authors

#	Article	IF	Citations
1	Modeling surface ocean phytoplankton pigments from hyperspectral remote sensing reflectance on global scales. Remote Sensing of Environment, 2022, 270, 112879.	4.6	22
2	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.	4.6	18
3	A global compilation of in situ aquatic high spectral resolution inherent and apparent optical property data for remote sensing applications. Earth System Science Data, 2020, 12, 1123-1139.	3.7	12
4	An overview of approaches and challenges for retrieving marine inherent optical properties from ocean color remote sensing. Progress in Oceanography, 2018, 160, 186-212.	1.5	257
5	Satellite assessment of particulate matter and phytoplankton variations in the <scp>S</scp>anta <scp>B</scp>arbara <scp>C</scp>hannel and its surrounding waters: <scp>R</scp>ole of surface waves. Journal of Geophysical Research: Oceans, 2017, 122, 355-371.	1.0	19
6	Airborne mapping of benthic reflectance spectra with Bayesian linear mixtures. Remote Sensing of Environment, 2017, 200, 18-30.	4.6	59
7	Annual cycles of phytoplankton biomass in the subarctic Atlantic and Pacific Ocean. Global Biogeochemical Cycles, 2016, 30, 175-190.	1.9	71
8	The Ocean Colour Climate Change Initiative: III. A round-robin comparison on in-water bio-optical algorithms. Remote Sensing of Environment, 2015, 162, 271-294.	4.6	161
9	Shedding Light on the Sea: AndrÃ© Morel's Legacy to Optical Oceanography. Annual Review of Marine Science, 2014, 6, 1-21.	5.1	34
10	Generalized ocean color inversion model for retrieving marine inherent optical properties. Applied Optics, 2013, 52, 2019.	0.9	366
11	Optical assessment of particle size and composition in the Santa Barbara Channel, California. Applied Optics, 2012, 51, 3171.	0.9	30
12	Ocean Colour Climate Change Initiative — Approach and initial results. , 2012, , .		20
13	Variability in optical particle backscattering in contrasting bioâ€optical oceanic regimes. Limnology and Oceanography, 2011, 56, 955-973.	1.6	93
14	Merged satellite ocean color data products using a bio-optical model: Characteristics, benefits and issues. Remote Sensing of Environment, 2010, 114, 1791-1804.	4.6	364
15	Consistent merging of satellite ocean color data sets using a bio-optical model. Remote Sensing of Environment, 2005, 94, 429-440.	4.6	270
16	Independence and interdependencies among global ocean color properties: Reassessing the bio-optical assumption. Journal of Geophysical Research, 2005, 110, .	3.3	170
17	Simultaneous retrieval of oceanic and atmospheric parameters for ocean color imagery by spectral optimization: a validation. Remote Sensing of Environment, 2003, 84, 208-220.	4.6	60
18	OCEAN SCIENCE: The Many Shades of Ocean Blue. Science, 2003, 302, 1514-1515.	6.0	105

#	Article	IF	Citations
19	Optimization of a semianalytical ocean color model for global-scale applications. Applied Optics, 2002, 41, 2705.	2.1	779
20	Photoacclimatization in the zooxanthellae of Pocillopora verrucosa and comparison with a pelagic algal community. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 2002, 25, 125-134.	0.7	3
21	Bio-optical properties of oceanic waters: A reappraisal. Journal of Geophysical Research, 2001, 106, 7163-7180.	3.3	898
22	PHOTOACCLIMATION IN THE TROPICAL CORALLINE ALGAHYDROLITHON ONKODES(RHODOPHYTA,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.0	47
23	An Evaluation of Oceanographic Radiometers and Deployment Methodologies. Journal of Atmospheric and Oceanic Technology, 2000, 17, 811-830.	0.5	68
24	Atmospheric correction of satellite ocean color imagery: the black pixel assumption. Applied Optics, 2000, 39, 3582.	2.1	446
25	Determination of the fluorescence quantum yield by oceanic phytoplankton in their natural habitat. Applied Optics, 2000, 39, 6725.	2.1	69
26	Ocean color chlorophyll algorithms for SeaWiFS. Journal of Geophysical Research, 1998, 103, 24937-24953.	3.3	1,936
27	Diffuse reflectance of oceanic shallow waters: Influence of water depth and bottom albedo. Limnology and Oceanography, 1994, 39, 1689-1703.	1.6	342