

Stphane Maritorena

List of Publications by Year in Descending Order

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Version: 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

5,253
citations

21
h-index

27
g-index

27
ext. papers

5,898
ext. citations

8.3
avg, IF

5.27
L-index

#	Paper	IF	Citations
27	Modeling surface ocean phytoplankton pigments from hyperspectral remote sensing reflectance on global scales. <i>Remote Sensing of Environment</i> , 2022 , 270, 112879	13.2	2
26	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	13.2	6
25	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	10.5	6
24	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	3.8	151
23	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	3.3	8
22	Airborne mapping of benthic reflectance spectra with Bayesian linear mixtures. <i>Remote Sensing of Environment</i> , 2017 , 200, 18-30	13.2	33
21	Annual cycles of phytoplankton biomass in the subarctic Atlantic and Pacific Ocean. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 175-190	5.9	48
20	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	13.2	131
19	Shedding light on the sea: André Morel's legacy to optical oceanography. <i>Annual Review of Marine Science</i> , 2014 , 6, 1-21	15.4	29
18	Generalized ocean color inversion model for retrieving marine inherent optical properties. <i>Applied Optics</i> , 2013 , 52, 2019-37	1.7	263
17	Optical assessment of particle size and composition in the Santa Barbara Channel, California. <i>Applied Optics</i> , 2012 , 51, 3171-89	1.7	22
16	Ocean Colour Climate Change Initiative I Approach and initial results 2012 ,		15
15	Variability in optical particle backscattering in contrasting bio-optical oceanic regimes. <i>Limnology and Oceanography</i> , 2011 , 56, 955-973	4.8	80
14	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	13.2	294
13	Independence and interdependencies among global ocean color properties: Reassessing the bio-optical assumption. <i>Journal of Geophysical Research</i> , 2005 , 110,		140
12	Consistent merging of satellite ocean color data sets using a bio-optical model. <i>Remote Sensing of Environment</i> , 2005 , 94, 429-440	13.2	226
11	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	13.2	54

10	Ocean science. The many shades of ocean blue. <i>Science</i> , 2003 , 302, 1514-5	33.3	96
9	Photoacclimatization in the zooxanthellae of <i>Pocillopora verrucosa</i> and comparison with a pelagic algal community. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , 2002 , 25, 125-134		3
8	Optimization of a semianalytical ocean color model for global-scale applications. <i>Applied Optics</i> , 2002 , 41, 2705-14	1.7	660
7	PHOTOACCLIMATION IN THE TROPICAL CORALLINE ALGA HYDROLITHON ONKODES (RHODOPHYTA, CORALLINACEAE) FROM A FRENCH POLYNESIAN REEF . <i>Journal of Phycology</i> , 2001 , 37, 223-234	3	41
6	Bio-optical properties of oceanic waters: A reappraisal. <i>Journal of Geophysical Research</i> , 2001 , 106, 7163-7180		706
5	An Evaluation of Oceanographic Radiometers and Deployment Methodologies. <i>Journal of Atmospheric and Oceanic Technology</i> , 2000 , 17, 811-830	2	57
4	Atmospheric correction of satellite ocean color imagery: the black pixel assumption. <i>Applied Optics</i> , 2000 , 39, 3582-91	1.7	358
3	Determination of the fluorescence quantum yield by oceanic phytoplankton in their natural habitat. <i>Applied Optics</i> , 2000 , 39, 6725-37	1.7	49
2	Ocean color chlorophyll algorithms for SeaWiFS. <i>Journal of Geophysical Research</i> , 1998 , 103, 24937-24953		1519
1	Diffuse reflectance of oceanic shallow waters: Influence of water depth and bottom albedo. <i>Limnology and Oceanography</i> , 1994 , 39, 1689-1703	4.8	256