Stphane Maritorena

List of Publications by Citations

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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	Ocean color chlorophyll algorithms for SeaWiFS. *Journal of Geophysical Research*, **1998**, 103, 24937-24953		1519
26	Bio-optical properties of oceanic waters: A reappraisal. *Journal of Geophysical Research*, **2001**, 106, 7163-7180		706
25	Optimization of a semianalytical ocean color model for global-scale applications. *Applied Optics*, **2002**, 41, 2705-14	1.7	660
24	Atmospheric correction of satellite ocean color imagery: the black pixel assumption. *Applied Optics*, **2000**, 39, 3582-91	1.7	358
23	Merged satellite ocean color data products using a bio-optical model: Characteristics, benefits and issues. *Remote Sensing of Environment*, **2010**, 114, 1791-1804	13.2	294
22	Generalized ocean color inversion model for retrieving marine inherent optical properties. *Applied Optics*, **2013**, 52, 2019-37	1.7	263
21	Diffuse reflectance of oceanic shallow waters: Influence of water depth and bottom albedo. *Limnology and Oceanography*, **1994**, 39, 1689-1703	4.8	256
20	Consistent merging of satellite ocean color data sets using a bio-optical model. *Remote Sensing of Environment*, **2005**, 94, 429-440	13.2	226
19	An overview of approaches and challenges for retrieving marine inherent optical properties from ocean color remote sensing. *Progress in Oceanography*, **2018**, 160, 186-212	3.8	151
18	Independence and interdependencies among global ocean color properties: Reassessing the bio-optical assumption. *Journal of Geophysical Research*, **2005**, 110,		140
17	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	13.2	131
16	Ocean science. The many shades of ocean blue. *Science*, **2003**, 302, 1514-5	33.3	96
15	Variability in optical particle backscattering in contrasting bio-optical oceanic regimes. *Limnology and Oceanography*, **2011**, 56, 955-973	4.8	80
14	An Evaluation of Oceanographic Radiometers and Deployment Methodologies. *Journal of Atmospheric and Oceanic Technology*, **2000**, 17, 811-830	2	57
13	Simultaneous retrieval of oceanic and atmospheric parameters for ocean color imagery by spectral optimization: a validation. *Remote Sensing of Environment*, **2003**, 84, 208-220	13.2	54
12	Determination of the fluorescence quantum yield by oceanic phytoplankton in their natural habitat. *Applied Optics*, **2000**, 39, 6725-37	1.7	49
11	Annual cycles of phytoplankton biomass in the subarctic Atlantic and Pacific Ocean. *Global Biogeochemical Cycles*, **2016**, 30, 175-190	5.9	48

List of Publications

10	PHOTOACCLIMATION IN THE TROPICAL CORALLINE ALGA HYDROLITHON ONKODES (RHODOPHYTA, CORALLINACEAE) FROM A FRENCH POLYNESIAN REEF . *Journal of Phycology*, **2001**, 37, 223-234	3	41
9	Airborne mapping of benthic reflectance spectra with Bayesian linear mixtures. *Remote Sensing of Environment*, **2017**, 200, 18-30	13.2	33
8	Shedding light on the sea: Andr Morel s legacy to optical oceanography. *Annual Review of Marine Science*, **2014**, 6, 1-21	15.4	29
7	Optical assessment of particle size and composition in the Santa Barbara Channel, California. *Applied Optics*, **2012**, 51, 3171-89	1.7	22
6	Ocean Colour Climate Change Initiative Approach and initial results **2012**,		15
5	Satellite assessment of particulate matter and phytoplankton variations in the Santa Barbara Channel and its surrounding waters: Role of surface waves. *Journal of Geophysical Research: Oceans*, **2017**, 122, 355-371	3.3	8
4	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	10.5	6
3	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	13.2	6
2	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		3
1	Modeling surface ocean phytoplankton pigments from hyperspectral remote sensing reflectance on global scales. *Remote Sensing of Environment*, **2022**, 270, 112879	13.2	2