Aurea Maria Ciotti

List of Publications by Year
in descending order

55 papers	3,572 citations	257450 24 h-index	189892 50 g-index
55 all docs	55 docs citations	55 times ranked	3725 citing authors

#	Article	IF	Citations
1	A comparison of global estimates of marine primary production from ocean color. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 741-770.	1.4	574
2	Assessment of the relationships between dominant cell size in natural phytoplankton communities and the spectral shape of the absorption coefficient. Limnology and Oceanography, 2002, 47, 404-417.	3.1	397
3	Experimental strategies to assess the biological ramifications of multiple drivers of global ocean changeâ€"A review. Global Change Biology, 2018, 24, 2239-2261.	9.5	285
4	Assessing the uncertainties of model estimates of primary productivity in the tropical Pacific Ocean. Journal of Marine Systems, 2009, 76, 113-133.	2.1	212
5	Freshwater outflow and Subtropical Convergence influence on phytoplankton biomass on the southern Brazilian continental shelf. Continental Shelf Research, 1995, 15, 1737-1756.	1.8	210
6	Retrievals of a size parameter for phytoplankton and spectral light absorption by colored detrital matter from water-leaving radiances at SeaWiFS channels in a continental shelf region off Brazil. Limnology and Oceanography: Methods, 2006, 4, 237-253.	2.0	181
7	An evaluation of ocean color model estimates of marine primary productivity in coastal and pelagic regions across the globe. Biogeosciences, 2011, 8, 489-503.	3.3	177
8	Challenges of modeling depthâ€integrated marine primary productivity over multiple decades: A case study at BATS and HOT. Global Biogeochemical Cycles, 2010, 24, .	4.9	150
9	Hydrodynamically driven patterns of recent sedimentation in the shelf and upper slope off Southeast Brazil. Continental Shelf Research, 2004, 24, 1685-1697.	1.8	147
10	An intercomparison of bio-optical techniques for detecting dominant phytoplankton size class from satellite remote sensing. Remote Sensing of Environment, 2011, 115, 325-339.	11.0	138
11	Obtaining Phytoplankton Diversity from Ocean Color: A Scientific Roadmap for Future Development. Frontiers in Marine Science, 2017, 4, .	2.5	133
12	Optical detection and assessment of algal blooms. Limnology and Oceanography, 1997, 42, 1223-1239.	3.1	123
13	A Consumer's Guide to Satellite Remote Sensing of Multiple Phytoplankton Groups in the Global Ocean. Frontiers in Marine Science, 2017, 4, .	2.5	115
14	A semi-analytical model of the influence of phytoplankton community structure on the relationship between light attenuation and ocean color. Journal of Geophysical Research, 1999, 104, 1559-1578.	3.3	71
15	Spatialâ€temporal variations in phytoplankton size and colored detrital matter absorption at global and regional scales, as derived from twelve years of SeaWiFS data (1998â€"2009). Global Biogeochemical Cycles, 2012, 26, .	4.9	68
16	Benthic response to upwelling events off the SE Brazilian coast. Marine Ecology - Progress Series, 2005, 291, 35-42.	1.9	57
17	The spectral effects of clouds on solar irradiance. Journal of Geophysical Research, 1998, 103, 31017-31031.	3.3	55
18	PHYSIOLOGICAL AND OPTICAL PROPERTIES OF RHIZOSOLENIA FORMOSA (BACILLARIOPHYCEAE) IN THE CONTEXT OF OPEN-OCEAN VERTICAL MIGRATION1. Journal of Phycology, 1996, 32, 741-757.	2.3	44

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19	Benthic foraminiferal distribution on the southeastern Brazilian shelf and upper slope. Marine Biology, 2011, 158, 159-179.	1.5	37
20	Temporal variation in intertidal community recruitment and its relationships to physical forcings, chlorophyll-a concentration and sea surface temperature. Marine Biology, 2015, 162, 1705-1725.	1.5	30
21	Phytoplankton light absorption and the package effect in relation to photosynthetic and photoprotective pigments in the northern tip of <scp>A</scp>ntarctic <scp>P</scp>eninsula. Journal of Geophysical Research: Oceans, 2017, 122, 7344-7363.	2.6	26
22	Variability in light absorption and scattering of phytoplankton in Patagonian waters: Role of community size structure and pigment composition. Journal of Geophysical Research: Oceans, 2013, 118, 698-714.	2.6	25
23	Shading impacts by coastal infrastructure on biological communities from subtropical rocky shores. Journal of Applied Ecology, 2017, 54, 826-835.	4.0	25
24	Vertical distribution of benthic invertebrate larvae during an upwelling event along a transect off the tropical Brazilian continental margin. Journal of Marine Systems, 2010, 79, 124-133.	2.1	24
25	Environmental and grazing influence on spatial variability of intertidal biofilm on subtropical rocky shores. Marine Ecology - Progress Series, 2011, 424, 15-23.	1.9	22
26	Trichodesmium latitudinal distribution on the shelf break in the southwestern Atlantic Ocean during spring and autumn. Global Biogeochemical Cycles, 2016, 30, 1738-1753.	4.9	19
27	Interactive effects of grazing and environmental stress on macroalgal biomass in subtropical rocky shores: Modulation of bottom-up inputs by wave action. Journal of Experimental Marine Biology and Ecology, 2015, 463, 39-48.	1.5	18
28	Parameterization of natural phytoplankton photoâ€physiology: Effects of cell size and nutrient concentration. Limnology and Oceanography, 2016, 61, 1495-1512.	3.1	18
29	ENVIRONMENTAL IMPACT ASSESSMENT UNDER AN ECOSYSTEM APPROACH: THE SÃƒO SEBASTIÃƒO HARBOR EXPANSION PROJECT. Ambiente & Sociedade, 2017, 20, 155-176.	0.5	18
30	Changes in phytoplankton composition in response to tides, wind-induced mixing conditions, and freshwater outflows in an urbanised estuarine complex. Brazilian Journal of Biology, 2012, 72, 97-111.	0.9	14
31	Effects of low-salinity and high-turbidity waters on empirical ocean colour algorithms: An example for Southwestern Atlantic waters. Continental Shelf Research, 2013, 59, 84-96.	1.8	13
32	The influence of surface low-salinity waters and cold subsurface water masses on picoplankton and ultraplankton distribution in the continental shelf off Rio de Janeiro, SE Brazil. Continental Shelf Research, 2016, 120, 82-95.	1.8	13
33	Temporal variability of chlorophyll-a in the SÃ£o Vicente estuary. Brazilian Journal of Oceanography, 2012, 60, 485-499.	0.6	11
34	The meridional gradients of the S-SE Brazilian continental shelf: Introduction to the special volume. Continental Shelf Research, 2014, 89, 1-4.	1.8	11
35	Variability in the light absorption coefficients of phytoplankton, non-algal particles, and colored dissolved organic matter in a subtropical bay (Brazil). Estuarine, Coastal and Shelf Science, 2014, 139, 127-136.	2.1	10
36	The influence of atmospheric cold fronts on larval supply and settlement of intertidal invertebrates: Case studies in the Cabo Frio coastal upwelling system (SE Brazil). Journal of Sea Research, 2018, 137, 47-56.	1.6	10

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37	Bio-optical characterization of the northern Antarctic Peninsula waters: Absorption budget and insights on particulate backscattering. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 138-149.	1.4	10
38	<title>Relationship between near-surface chlorophyll and solar-stimulated fluorescence: biological effects</title>. , 1997, 2963, 272.		8
39	Abundance of biofilm on intertidal rocky shores: Can trampling by humans be a negative influence?. Marine Environmental Research, 2012, 79, 111-115.	2.5	8
40	Seasonal and event-driven changes in the phytoplankton communities in the AraÃ§Ã¡ Bay and adjacent waters. Ocean and Coastal Management, 2018, 164, 14-31.	4.4	8
41	Overview on Primary Production in the Southwestern Atlantic. , 2018, , 101-126.		7
42	<title>Observing biologically induced optical variability in coastal waters</title>. , 1994, , .		6
43	Biodiversity and functioning of a subtropical coastal ecosystem: Subsidies for integrated management. Ocean and Coastal Management, 2018, 164, 1-3.	4.4	6
44	Bio-Optical Properties of the Inner Continental Shelf off Santos Estuarine System, Southeastern Brazil, and their Implications for Ocean Color Algorithm Performance. Brazilian Journal of Oceanography, 2014, 62, 71-87.	0.6	5
45	Influence of environmental variables over multiple spatial scales on the population structure of a key marine invertebrate. Marine Environmental Research, 2021, 170, 105410.	2.5	5
46	Evaluation of the relationship between biomass of living (stained) benthic foraminifera and particulate organic matter vertical flux in an oligotrophic region, Campos Basin, southeastern Brazilian continental margin. Journal of Sea Research, 2021, 176, 102110.	1.6	5
47	Influence of mixed upwelled waters on metabolic balance in a subtropical coastal ecosystem: SÃ£o SebastiÃ£o Channel, southern Brazil. Marine Ecology - Progress Series, 2017, 573, 61-72.	1.9	5
48	Plankton in waters adjacent to the Laje de Santos state marine conservation park, Brazil: spatio-temporal distribution surveys. Brazilian Journal of Oceanography, 2017, 65, 564-575.	0.6	4
49	Taxonomic Variability in the Electron Requirement for Carbon Fixation Across Marine Phytoplankton. Journal of Phycology, 2021, 57, 111-127.	2.3	4
50	Phytoplankton community and the fluorescence-derived photo-physiological parameters in the South Atlantic Ocean. Journal of Marine Systems, 2021, 218, 103538.	2.1	3
51	Trichome abundance, chlorophyll content and the spectral coefficient for light absorption of Trichodesmium slicks observed in the Southwestern Atlantic. Journal of Plankton Research, 2020, 42, 135-139.	1.8	2
52	Remote sensing of a pigment patch in the southeastern Bering Sea. Proceedings of SPIE, 1997, , .	0.8	2
53	Ocean color measurements from low-flying aircraft: atmospheric and surface glint correction. Proceedings of SPIE, 1997, , .	0.8	2
54	Applications of satellite remote sensing technology to the analysis of phytoplankton community structure on large scales. , 2022, , 217-244.		1

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55	The use of CBERS (China-Brazil Earth Resources Satellite) to trace the dynamics of total suspended matter at an urbanized coastal area. Brazilian Journal of Oceanography, 2017, 65, 309-323.	0.6	0