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List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

3,182
citations

218677

26
h-index

197818

49
g-index

55
all docs

55
docs citations

55
times ranked

3742
citing authors

#	ARTICLE	IF	CITATIONS
1	Generalized ocean color inversion model for retrieving marine inherent optical properties. <i>Applied Optics</i> , 2013, 52, 2019.	1.8	366
2	Recent Arctic Ocean sea ice loss triggers novel fall phytoplankton blooms. <i>Geophysical Research Letters</i> , 2014, 41, 6207-6212.	4.0	306
3	Remote sensing of phytoplankton functional types. <i>Remote Sensing of Environment</i> , 2008, 112, 3366-3375.	11.0	207
4	Discrimination of diatoms from other phytoplankton using ocean-colour data. <i>Marine Ecology - Progress Series</i> , 2004, 272, 59-68.	1.9	200
5	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.	11.0	161
6	Parameterization of vertical chlorophyll <i>a</i> in the Arctic Ocean: impact of the subsurface chlorophyll maximum on regional, seasonal, and annual primary production estimates. <i>Biogeosciences</i> , 2013, 10, 4383-4404.	3.3	156
7	An intercomparison of bio-optical techniques for detecting dominant phytoplankton size class from satellite remote sensing. <i>Remote Sensing of Environment</i> , 2011, 115, 325-339.	11.0	138
8	Faster Atlantic currents drive poleward expansion of temperate phytoplankton in the Arctic Ocean. <i>Nature Communications</i> , 2020, 11, 1705.	12.8	128
9	A three component classification of phytoplankton absorption spectra: Application to ocean-color data. <i>Remote Sensing of Environment</i> , 2011, 115, 2255-2266.	11.0	126
10	A two-component model of phytoplankton absorption in the open ocean: Theory and applications. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	118
11	Delineation of ecological provinces using ocean colour radiometry. <i>Marine Ecology - Progress Series</i> , 2007, 346, 1-13.	1.9	110
12	An assessment of phytoplankton primary productivity in the Arctic Ocean from satellite ocean color/in situ chlorophyll<i>a</i> based models. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6508-6541.	2.6	90
13	A remote sensing algorithm for planktonic dimethylsulfoniopropionate (DMSP) and an analysis of global patterns. <i>Remote Sensing of Environment</i> , 2015, 171, 171-184.	11.0	80
14	Operational estimation of primary production at large geographical scales. <i>Remote Sensing of Environment</i> , 2008, 112, 3437-3448.	11.0	67
15	Seasonal pigment patterns of surface phytoplankton in the subtropical southern hemisphere. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 1687-1703.	1.4	65
16	Physical forcing and phytoplankton distributions. <i>Scientia Marina</i> , 2005, 69, 55-73.	0.6	65
17	Decadal increase in Arctic dimethylsulfide emission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19311-19317.	7.1	61
18	Future Retrievals of Water Column Bio-Optical Properties using the Hyperspectral Infrared Imager (HyspIRI). <i>Remote Sensing</i> , 2013, 5, 6812-6837.	4.0	57

#	ARTICLE	IF	CITATIONS
19	Northward Expansion and Intensification of Phytoplankton Growth During the Early Ice-Free Season in Arctic. <i>Geophysical Research Letters</i> , 2018, 45, 10,590.	4.0	55
20	A 50 % increase in the mass of terrestrial particles delivered by the Mackenzie River into the Beaufort Sea (Canadian Arctic Ocean) over the last 10 years. <i>Biogeosciences</i> , 2015, 12, 3551-3565.	3.3	51
21	Shelf-basin gradients shape ecological phytoplankton niches and community composition in the coastal Arctic Ocean (Beaufort Sea). <i>Limnology and Oceanography</i> , 2017, 62, 2113-2132.	3.1	50
22	Sea-surface dimethylsulfide (DMS) concentration from satellite data at global and regional scales. <i>Biogeosciences</i> , 2018, 15, 3497-3519.	3.3	50
23	Diagnostic Properties of Phytoplankton Time Series from Remote Sensing. <i>Estuaries and Coasts</i> , 2010, 33, 428-439.	2.2	48
24	Effects of increase glacier discharge on phytoplankton bloom dynamics and pelagic geochemistry in a high Arctic fjord. <i>Progress in Oceanography</i> , 2017, 159, 195-210.	3.2	46
25	Ecosystem function and particle flux dynamics across the Mackenzie Shelf (Beaufort Sea, Arctic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2833-2866.	3.3	42
26	Estimating concentrations of essential omega-3 fatty acids in the ocean: supply and demand. <i>ICES Journal of Marine Science</i> , 2014, 71, 1885-1893.	2.5	37
27	Regional-scale changes in diatom distribution in the Humboldt upwelling system as revealed by remote sensing: implications for fisheries. <i>ICES Journal of Marine Science</i> , 2011, 68, 729-736.	2.5	25
28	Possible biogeochemical response to the passage of Hurricane Fabian observed by satellites. <i>Journal of Plankton Research</i> , 2007, 29, 687-697.	1.8	23
29	Decadal changes in ecological provinces of the Northwest Atlantic Ocean revealed by satellite observations. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	23
30	CDOM Sources and Photobleaching Control Quantum Yields for Oceanic DMS Photolysis. <i>Environmental Science & Technology</i> , 2016, 50, 13361-13370.	10.0	22
31	Chlorophyll-a Concentration Retrieval in the Optically Complex Waters of the St. Lawrence Estuary and Gulf Using Principal Component Analysis. <i>Remote Sensing</i> , 2018, 10, 265.	4.0	19
32	A summer phytoplankton bloom triggered by high wind events in the Labrador Sea, July 2006. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	17
33	Evaluation of Satellite-Based Algorithms to Retrieve Chlorophyll-a Concentration in the Canadian Atlantic and Pacific Oceans. <i>Remote Sensing</i> , 2019, 11, 2609.	4.0	17
34	A simple and effective method for monitoring floating green macroalgae blooms: a case study in the Yellow Sea. <i>Optics Express</i> , 2019, 27, 4528.	3.4	16
35	Variation in ocean colour may help predict cod and haddock recruitment. <i>Marine Ecology - Progress Series</i> , 2013, 491, 187-197.	1.9	15
36	Seasonal and geographic variations in phytoplankton losses from the mixed layer on the Northwest Atlantic Shelf. <i>Journal of Marine Systems</i> , 2010, 80, 36-46.	2.1	14

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37	Advection, Surface Area, and Sediment Load of the Fraser River Plume Under Variable Wind and River Forcing. <i>Atmosphere - Ocean</i> , 2017, 55, 293-313.	1.6	14
38	Branching Algorithm to Identify Bottom Habitat in the Optically Complex Coastal Waters of Atlantic Canada Using Sentinel-2 Satellite Imagery. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	12
39	Decadal changes in Arctic Ocean Chlorophyll a: Bridging ocean color observations from the 1980s to present time. <i>Remote Sensing of Environment</i> , 2022, 275, 113020.	11.0	12
40	Remote Sensing of Phytoplankton Size Class in Northwest Atlantic from 1998 to 2016: Bio-Optical Algorithms Comparison and Application. <i>Remote Sensing</i> , 2018, 10, 1028.	4.0	10
41	Estimation of phytoplankton taxonomic groups in the Arctic Ocean using phytoplankton absorption properties: implication for ocean-color remote sensing. <i>Optics Express</i> , 2018, 26, 32280.	3.4	10
42	Lipids at the plantâ€“animal interface: a stable isotope labelling method to evaluate the assimilation of essential fatty acids in the marine copepod <i>Calanus finmarchicus</i> . <i>Journal of Plankton Research</i> , 2019, 41, 909-924.	1.8	9
43	Computation of primary production from remote sensing of ocean colour at the northwestern Atlantic C-SOLAS Lagrangian site. <i>Marine Ecology - Progress Series</i> , 2007, 352, 27-38.	1.9	9
44	Development of a conceptual warning system for toxic levels of <i>Alexandrium fundyense</i> in the Bay of Fundy based on remote sensing data. <i>Remote Sensing of Environment</i> , 2018, 211, 413-424.	11.0	8
45	Comparing Sentinel-2 and WorldView-3 Imagery for Coastal Bottom Habitat Mapping in Atlantic Canada. <i>Remote Sensing</i> , 2022, 14, 1254.	4.0	8
46	Satellite remote-sensing observations for definitions of areas for marine conservation: Case study of the Scotian Slope, Eastern Canada. <i>Remote Sensing of Environment</i> , 2018, 214, 33-47.	11.0	6
47	Using satellite remote sensing to improve the prediction of scallop condition in their natural environment: Case study for Georges Bank, Canada. <i>Remote Sensing of Environment</i> , 2021, 254, 112251.	11.0	4
48	Relationship between the K_d factor and inherent optical properties: Relevance to oceanâ€“colour inversion algorithms. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	3
49	Environmental drivers of beluga whales distribution in a changing climate: A case study of summering aggregations in the Mackenzie Estuary and Tasiuyuk Marine Protected Area. <i>Arctic Science</i> , 0, , .	2.3	2
50	Delineation of Eastern Beaufort Sea Sub-regions Using Self-Organizing Maps Applied to 17 Years of MODIS-Aqua Data. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	2
51	MDPI Oceans: A New Publication Channel for Open Access Science Focused on the Ocean. <i>Oceans</i> , 2019, 1, 1-5.	1.3	1
52	Enhanced sea surface temperature due to kelp canopies. <i>Marine Ecology - Progress Series</i> , 2017, 581, 103-117.	1.9	0
53	Enhanced chlorophyll-a concentration in the wake of Sable Island, eastern Canada, revealed by two decades of satellite observations: a response to grey seal population dynamics?. <i>Biogeosciences</i> , 2021, 18, 6115-6132.	3.3	0