Ajit Subramaniam

List of Publications by Year
in descending order

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Version: 2024-02-01

55	4,589	172457	182427
papers	citations	29 h-index	51 g-index

60	60	60	4961
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cyanobacterial Diazotroph Distributions in the Western South Atlantic. Frontiers in Marine Science, 2022, 9, .	2.5	5
2	METEOR: A Mobile (Portable) ocEan roboTic ObsErvatORy. Marine Technology Society Journal, 2021, 55, 74-75.	0.4	2
3	Co-production of knowledge reveals loss of Indigenous hunting opportunities in the face of accelerating Arctic climate change. Environmental Research Letters, 2021, 16, 095003.	5.2	28
4	Thin ice, deep snow and surface flooding in Kotzebue Sound: landfast ice mass balance during two anomalously warm winters and implications for marine mammals and subsistence hunting. Journal of Glaciology, 2021, 67, 1013-1027.	2.2	8
5	Environmental Regulation of the Nitrogen Supply, Mean Trophic Position, and Trophic Enrichment of Mesozooplankton in the Mekong River Plume and Southern South China Sea. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC017110.	2.6	9
6	Small pigmented eukaryote assemblages of the western tropical North Atlantic around the Amazon River plume during spring discharge. Scientific Reports, 2021, 11, 16200.	3.3	4
7	Impact of climate variability of the Western Tropical Pacific on maximum salinity water in the South China Sea. Ocean Dynamics, 2021, 71, 1033-1049.	2.2	0
8	The Winter Heat Budget of Sea Ice in Kotzebue Sound: Residual Ocean Heat and the Seasonal Roles of River Outflow. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016784.	2.6	5
9	Accuracy of Empirical Satellite Algorithms for Mapping Phytoplankton Diagnostic Pigments in the Open Ocean: A Supervised Learning Perspective. Frontiers in Marine Science, 2020, 7, .	2.5	13
10	Comparison of Cloud-Filling Algorithms for Marine Satellite Data. Remote Sensing, 2020, 12, 3313.	4.0	20
11	Using Ship-Deployed High-Endurance Unmanned Aerial Vehicles for the Study of Ocean Surface and Atmospheric Boundary Layer Processes. Frontiers in Marine Science, 2020, 6, .	2.5	21
12	Habitat Delineation in Highly Variable Marine Environments. Frontiers in Marine Science, 2019, 6, .	2.5	9
13	Are Extracted Materials Truly Representative of Original Samples? Impact of C18 Extraction on CDOM Optical and Chemical Properties. Frontiers in Chemistry, 2016, 4, 4.	3.6	15
14	Highly variable nutrient concentrations in the Northern Gulf of Mexico. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 129, 20-30.	1.4	8
15	Elevated surface chlorophyll associated with natural oil seeps in the Gulf of Mexico. Nature Geoscience, 2016, 9, 215-218.	12.9	52
16	Viewing Marine Bacteria, Their Activity and Response to Environmental Drivers from Orbit. Microbial Ecology, 2014, 67, 489-500.	2.8	21
17	Marine Spatial Planning 2.0: genes and satellites to conserve seascape dynamics. Aquatic Conservation: Marine and Freshwater Ecosystems, 2014, 24, 742-744.	2.0	4
18	Influence of the Amazon River discharge on the biogeography of phytoplankton communities in the western tropical north Atlantic. Progress in Oceanography, 2014, 120, 29-40.	3.2	95

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19	Chromophoric dissolved organic matter (CDOM) in the Equatorial Atlantic Ocean: Optical properties and their relation to CDOM structure and source. Marine Chemistry, 2013, 148, 33-43.	2.3	127
20	Equatorial upwelling enhances nitrogen fixation in the Atlantic Ocean. Geophysical Research Letters, 2013, 40, 1766-1771.	4.0	55
21	Comment on â€œCurrent separation and upwelling over the southeast shelf of Vietnam in the South China Seaâ€•by Chen et al.. Journal of Geophysical Research: Oceans, 2013, 118, 1618-1623.	2.6	19
22	The MAREDAT global database of high performance liquid chromatography marine pigment measurements. Earth System Science Data, 2013, 5, 109-123.	9.9	44
23	The United States' Next Generation of Atmospheric Composition and Coastal Ecosystem Measurements: NASA's Geostationary Coastal and Air Pollution Events (GEO-CAPE) Mission. Bulletin of the American Meteorological Society, 2012, 93, 1547-1566.	3.3	118
24	Evolution of the Macondo Well Blowout: Simulating the Effects of the Circulation and Synthetic Dispersants on the Subsea Oil Transport. Environmental Science & Technology, 2012, 46, 13293-13302.	10.0	168
25	Database of diazotrophs in global ocean: abundance, biomass and nitrogen fixation rates. Earth System Science Data, 2012, 4, 47-73.	9.9	315
26	Nitrogen fixation byTrichodesmiumspp. and unicellular diazotrophs in the North Pacific Subtropical Gyre. Journal of Geophysical Research, 2011, 116, .	3.3	37
27	A model for the prediction of harmful algae blooms in the Vietnamese upwelling area. Harmful Algae, 2011, 10, 606-606.	4.8	28
28	Molecular ecology meets remote sensing: environmental drivers to population structure of humpback dolphins in the Western Indian Ocean. Heredity, 2011, 107, 349-361.	2.6	45
29	Isolation by environmental distance in mobile marine species: molecular ecology of franciscana dolphins at their southern range. Molecular Ecology, 2010, 19, 2212-2228.	3.9	111
30	Distribution and activity of diazotrophs in the Eastern Equatorial Atlantic. Environmental Microbiology, 2009, 11, 741-750.	3.8	92
31	Decadal timeâ€series of SeaWiFS retrieved CDOM absorption and estimated CO₂ photoproduction on the continental shelf of the eastern United States. Geophysical Research Letters, 2009, 36, .	4.0	17
32	Bio-Optical Characteristics and Remote Sensing in the Mid Chesapeake Bay Through Integration of Observations and Radiative Transfer Closure. Lecture Notes in Geoinformation and Cartography, 2009, , 139-168.	1.0	0
33	Causes and impacts of the 2005 Amazon drought. Environmental Research Letters, 2008, 3, 014002.	5.2	285
34	Amazon River enhances diazotrophy and carbon sequestration in the tropical North Atlantic Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10460-10465.	7.1	273
35	Influence of the Amazon River plume on distributions of freeâ€living and symbiotic cyanobacteria in the western tropical north Atlantic Ocean. Limnology and Oceanography, 2007, 52, 517-532.	3.1	200
36	ENVIRONMENT: Environmental Monitoring Network for India. Science, 2007, 316, 204-205.	12.6	26

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37	Seasonal variations in the Amazon plumeâ€related atmospheric carbon sink. Global Biogeochemical Cycles, 2007, 21, .	4.9	92
38	Remote sensing reflectance and inherent optical properties in the mid Chesapeake Bay. Estuarine, Coastal and Shelf Science, 2007, 72, 16-32.	2.1	101
39	Annual variations in bio-optical properties at the â€˜EstaciÃ³n Permanente de Estudios Ambientales (EPEA)â€™ coastal station, Argentina. Continental Shelf Research, 2006, 26, 1093-1112.	1.8	26
40	Diatom biomass and productivity in oceanic and plume-influenced waters of the western tropical Atlantic ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2006, 53, 1320-1334.	1.4	28
41	Bio-optics of the Chesapeake Bay from measurements and radiative transfer closure. Estuarine, Coastal and Shelf Science, 2006, 68, 348-362.	2.1	101
42	Nitrogen fixation byTrichodesmiumspp.: An important source of new nitrogen to the tropical and subtropical North Atlantic Ocean. Global Biogeochemical Cycles, 2005, 19, n/a-n/a.	4.9	536
43	An improved bio-optical model for the remote sensing ofTrichodesmiumspp. blooms. Journal of Geophysical Research, 2005, 110, .	3.3	73
44	Maritime aerosol optical thickness measured by handheld sun photometers. Remote Sensing of Environment, 2004, 93, 87-106.	11.0	104
45	Estimates of atmospheric-processed soluble iron from observations and a global mineral aerosol model: Biogeochemical implications. Journal of Geophysical Research, 2004, 109, .	3.3	185
46	Biomass and primary productivity of the cyanobacterium Trichodesmium spp. in the tropical N Atlantic ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2004, 51, 173-203.	1.4	169
47	Influence of the Amazon River on the surface optical properties of the western tropical North Atlantic Ocean. Journal of Geophysical Research, 2004, 109, .	3.3	92
48	Detecting Trichodesmium blooms in SeaWiFS imagery. Deep-Sea Research Part II: Topical Studies in Oceanography, 2001, 49, 107-121.	1.4	148
49	Remote estimation of nitrogen fixation by Trichodesmium. Deep-Sea Research Part II: Topical Studies in Oceanography, 2001, 49, 123-147.	1.4	21
50	Satellite captures trichodesmium blooms in the southwestern tropical Pacific. Eos, 2000, 81, 13.	0.1	64
51	Extensive bloom of a N2-fixing diatom/cyanobacterial association in the tropical Atlantic Ocean. Marine Ecology - Progress Series, 1999, 185, 273-283.	1.9	274
52	An extensive bloom of the N2-fixing cyanobacterium Trichodesmium erythraeum in the central Arabian Sea. Marine Ecology - Progress Series, 1998, 172, 281-292.	1.9	217
53	<title>Satellite assessment of hurricane-induced ocean turbidity for the southern U.S. coastline</title>. , 1997, 2963, 892.		0
54	<title>Spatial variability in optical properties of the waters around the Ambrose Light Tower</title>. , 1997, 2963, 543.		0

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55	An empirically derived protocol for the detection of blooms of the marine cyanobacterium Trichodesmium using CZCS imagery. International Journal of Remote Sensing, 1994, 15, 1559-1569.	2.9	50