

Ajit Subramaniam

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

4,589
citations

172457

29
h-index

182427

51
g-index

60
all docs

60
docs citations

60
times ranked

4961
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen fixation by <i>Trichodesmium</i> spp.: An important source of new nitrogen to the tropical and subtropical North Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	4.9	536
2	Database of diazotrophs in global ocean: abundance, biomass and nitrogen fixation rates. <i>Earth System Science Data</i> , 2012, 4, 47-73.	9.9	315
3	Causes and impacts of the 2005 Amazon drought. <i>Environmental Research Letters</i> , 2008, 3, 014002.	5.2	285
4	Extensive bloom of a N ₂ -fixing diatom/cyanobacterial association in the tropical Atlantic Ocean. <i>Marine Ecology - Progress Series</i> , 1999, 185, 273-283.	1.9	274
5	Amazon River enhances diazotrophy and carbon sequestration in the tropical North Atlantic Ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10460-10465.	7.1	273
6	An extensive bloom of the N ₂ -fixing cyanobacterium <i>Trichodesmium erythraeum</i> in the central Arabian Sea. <i>Marine Ecology - Progress Series</i> , 1998, 172, 281-292.	1.9	217
7	Influence of the Amazon River plume on distributions of free-living and symbiotic cyanobacteria in the western tropical north Atlantic Ocean. <i>Limnology and Oceanography</i> , 2007, 52, 517-532.	3.1	200
8	Estimates of atmospheric-processed soluble iron from observations and a global mineral aerosol model: Biogeochemical implications. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	185
9	Biomass and primary productivity of the cyanobacterium <i>Trichodesmium</i> spp. in the tropical N Atlantic ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 173-203.	1.4	169
10	Evolution of the Macondo Well Blowout: Simulating the Effects of the Circulation and Synthetic Dispersants on the Subsea Oil Transport. <i>Environmental Science & Technology</i> , 2012, 46, 13293-13302.	10.0	168
11	Detecting <i>Trichodesmium</i> blooms in SeaWiFS imagery. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 49, 107-121.	1.4	148
12	Chromophoric dissolved organic matter (CDOM) in the Equatorial Atlantic Ocean: Optical properties and their relation to CDOM structure and source. <i>Marine Chemistry</i> , 2013, 148, 33-43.	2.3	127
13	The United States' Next Generation of Atmospheric Composition and Coastal Ecosystem Measurements: NASA's Geostationary Coastal and Air Pollution Events (GEO-CAPE) Mission. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 1547-1566.	3.3	118
14	Isolation by environmental distance in mobile marine species: molecular ecology of franciscana dolphins at their southern range. <i>Molecular Ecology</i> , 2010, 19, 2212-2228.	3.9	111
15	Maritime aerosol optical thickness measured by handheld sun photometers. <i>Remote Sensing of Environment</i> , 2004, 93, 87-106.	11.0	104
16	Bio-optics of the Chesapeake Bay from measurements and radiative transfer closure. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 68, 348-362.	2.1	101
17	Remote sensing reflectance and inherent optical properties in the mid Chesapeake Bay. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 72, 16-32.	2.1	101
18	Influence of the Amazon River discharge on the biogeography of phytoplankton communities in the western tropical north Atlantic. <i>Progress in Oceanography</i> , 2014, 120, 29-40.	3.2	95

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19	Influence of the Amazon River on the surface optical properties of the western tropical North Atlantic Ocean. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	92
20	Seasonal variations in the Amazon plume-related atmospheric carbon sink. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	4.9	92
21	Distribution and activity of diazotrophs in the Eastern Equatorial Atlantic. <i>Environmental Microbiology</i> , 2009, 11, 741-750.	3.8	92
22	An improved bio-optical model for the remote sensing of <i>Trichodesmium</i> spp. blooms. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	73
23	Satellite captures trichodesmium blooms in the southwestern tropical Pacific. <i>Eos</i> , 2000, 81, 13.	0.1	64
24	Equatorial upwelling enhances nitrogen fixation in the Atlantic Ocean. <i>Geophysical Research Letters</i> , 2013, 40, 1766-1771.	4.0	55
25	Elevated surface chlorophyll associated with natural oil seeps in the Gulf of Mexico. <i>Nature Geoscience</i> , 2016, 9, 215-218.	12.9	52
26	An empirically derived protocol for the detection of blooms of the marine cyanobacterium <i>Trichodesmium</i> using CZCS imagery. <i>International Journal of Remote Sensing</i> , 1994, 15, 1559-1569.	2.9	50
27	Molecular ecology meets remote sensing: environmental drivers to population structure of humpback dolphins in the Western Indian Ocean. <i>Heredity</i> , 2011, 107, 349-361.	2.6	45
28	The MAREDAT global database of high performance liquid chromatography marine pigment measurements. <i>Earth System Science Data</i> , 2013, 5, 109-123.	9.9	44
29	Nitrogen fixation by <i>Trichodesmium</i> spp. and unicellular diazotrophs in the North Pacific Subtropical Gyre. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	37
30	Diatom biomass and productivity in oceanic and plume-influenced waters of the western tropical Atlantic ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 1320-1334.	1.4	28
31	A model for the prediction of harmful algae blooms in the Vietnamese upwelling area. <i>Harmful Algae</i> , 2011, 10, 606-606.	4.8	28
32	Co-production of knowledge reveals loss of Indigenous hunting opportunities in the face of accelerating Arctic climate change. <i>Environmental Research Letters</i> , 2021, 16, 095003.	5.2	28
33	Annual variations in bio-optical properties at the Estaci3n Permanente de Estudios Ambientales (EPEA) coastal station, Argentina. <i>Continental Shelf Research</i> , 2006, 26, 1093-1112.	1.8	26
34	ENVIRONMENT: Environmental Monitoring Network for India. <i>Science</i> , 2007, 316, 204-205.	12.6	26
35	Remote estimation of nitrogen fixation by <i>Trichodesmium</i> . <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 49, 123-147.	1.4	21
36	Viewing Marine Bacteria, Their Activity and Response to Environmental Drivers from Orbit. <i>Microbial Ecology</i> , 2014, 67, 489-500.	2.8	21

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37	Using Ship-Deployed High-Endurance Unmanned Aerial Vehicles for the Study of Ocean Surface and Atmospheric Boundary Layer Processes. <i>Frontiers in Marine Science</i> , 2020, 6, .	2.5	21
38	Comparison of Cloud-Filling Algorithms for Marine Satellite Data. <i>Remote Sensing</i> , 2020, 12, 3313.	4.0	20
39	Comment on "Current separation and upwelling over the southeast shelf of Vietnam in the South China Sea" by Chen et al.. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1618-1623.	2.6	19
40	Decadal time-series of SeaWiFS retrieved CDOM absorption and estimated CO ₂ photoproduction on the continental shelf of the eastern United States. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	17
41	Are Extracted Materials Truly Representative of Original Samples? Impact of C18 Extraction on CDOM Optical and Chemical Properties. <i>Frontiers in Chemistry</i> , 2016, 4, 4.	3.6	15
42	Accuracy of Empirical Satellite Algorithms for Mapping Phytoplankton Diagnostic Pigments in the Open Ocean: A Supervised Learning Perspective. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	13
43	Habitat Delineation in Highly Variable Marine Environments. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	9
44	Environmental Regulation of the Nitrogen Supply, Mean Trophic Position, and Trophic Enrichment of Mesozooplankton in the Mekong River Plume and Southern South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017110.	2.6	9
45	Highly variable nutrient concentrations in the Northern Gulf of Mexico. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 129, 20-30.	1.4	8
46	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. <i>Journal of Glaciology</i> , 2021, 67, 1013-1027.	2.2	8
47	The Winter Heat Budget of Sea Ice in Kotzebue Sound: Residual Ocean Heat and the Seasonal Roles of River Outflow. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016784.	2.6	5
48	Cyanobacterial Diazotroph Distributions in the Western South Atlantic. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	5
49	Marine Spatial Planning 2.0: genes and satellites to conserve seascape dynamics. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2014, 24, 742-744.	2.0	4
50	Small pigmented eukaryote assemblages of the western tropical North Atlantic around the Amazon River plume during spring discharge. <i>Scientific Reports</i> , 2021, 11, 16200.	3.3	4
51	METEOR: A Mobile (Portable) ocean robotic Observatory. <i>Marine Technology Society Journal</i> , 2021, 55, 74-75.	0.4	2
52	<title>Satellite assessment of hurricane-induced ocean turbidity for the southern U.S. coastline</title>. , 1997, 2963, 892.		0
53	<title>Spatial variability in optical properties of the waters around the Ambrose Light Tower</title>. , 1997, 2963, 543.		0
54	Impact of climate variability of the Western Tropical Pacific on maximum salinity water in the South China Sea. <i>Ocean Dynamics</i> , 2021, 71, 1033-1049.	2.2	0

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55	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