

Patricia A Matrai

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,772
citations

361413

20
h-index

580821

25
g-index

32
all docs

32
docs citations

32
times ranked

2849
citing authors

#	ARTICLE	IF	CITATIONS
1	Parameterizing the Impact of Seawater Temperature and Irradiance on Dimethylsulfide (DMS) in the Great Barrier Reef and the Contribution of Coral Reefs to the Global Sulfur Cycle. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016783.	2.6	6
2	Marine Polymer-Gels™ Relevance in the Atmosphere as Aerosols and CCN. <i>Gels</i> , 2021, 7, 185.	4.5	9
3	Springtime Export of Arctic Sea Ice Influences Phytoplankton Production in the Greenland Sea. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015799.	2.6	24
4	Accumulation and effects of microplastic fibers in American lobster larvae (<i>Homarus americanus</i>). <i>Marine Pollution Bulletin</i> , 2020, 157, 111280.	5.0	36
5	Influence of Phytoplankton Advection on the Productivity Along the Atlantic Water Inflow to the Arctic Ocean. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	39
6	A compilation of global bio-optical in situ data for ocean-colour satellite applications – version two. <i>Earth System Science Data</i> , 2019, 11, 1037-1068.	9.9	43
7	The Nexus between Sea Ice and Polar Emissions of Marine Biogenic Aerosols. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 61-81.	3.3	34
8	Effects of Model Resolution and Ocean Mixing on Forced Ice–Ocean Physical and Biogeochemical Simulations Using Global and Regional System Models. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 358-377.	2.6	16
9	Processes That Contribute to Decreased Dimethyl Sulfide Production in Response to Ocean Acidification in Subtropical Waters. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	13
10	Microplastic fiber uptake, ingestion, and egestion rates in the blue mussel (<i>Mytilus edulis</i>). <i>Marine Pollution Bulletin</i> , 2018, 137, 638-645.	5.0	211
11	Net primary productivity estimates and environmental variables in the Arctic Ocean: An assessment of coupled physical-biogeochemical models. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 8635-8669.	2.6	34
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	Global and regional drivers of nutrient supply, primary production and CO ₂ drawdown in the changing Arctic Ocean. <i>Progress in Oceanography</i> , 2015, 139, 171-196.	3.2	226
14	The Arctic Summer Cloud Ocean Study (ASCOS): overview and experimental design. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 2823-2869.	4.9	140
15	Temporal and spatial characteristics of ozone depletion events from measurements in the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4875-4894.	4.9	40
16	Synthesis of integrated primary production in the Arctic Ocean: II. In situ and remotely sensed estimates. <i>Progress in Oceanography</i> , 2013, 110, 107-125.	3.2	131
17	Diel patterns of oceanic dimethylsulfide (DMS) cycling: Microbial and physical drivers. <i>Global Biogeochemical Cycles</i> , 2013, 27, 620-636.	4.9	32
18	On the chemical dynamics of extracellular polysaccharides in the high Arctic surface microlayer. <i>Ocean Science</i> , 2012, 8, 401-418.	3.4	61

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19	Marine microgels as a source of cloud condensation nuclei in the high Arctic. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13612-13617.	7.1	229
20	DIMETHYLSULFONIOPROPIONATE STORAGE IN <i>PHAEOCYSTIS</i> (PRYMNESIOPHYCEAE) SECRETORY VESICLES. Journal of Phycology, 2011, 47, 112-117.	2.3	19
21	Development of an autonomous sea ice tethered buoy for the study of ocean-atmosphere-sea ice-snow pack interactions: the O-buoy. Atmospheric Measurement Techniques, 2010, 3, 249-261.	3.1	42
22	Modeling the impact of declining sea ice on the Arctic marine planktonic ecosystem. Journal of Geophysical Research, 2010, 115, .	3.3	111
23	Relating temporal and spatial patterns of DMSP in the Barents Sea to phytoplankton biomass and productivity. Journal of Marine Systems, 2007, 67, 83-101.	2.1	40
24	Synthesis of particulate and extracellular carbon by phytoplankton at the marginal ice zone in the Barents Sea. Journal of Geophysical Research, 1998, 103, 1023-1037.	3.3	62
25	Light-dependence of carbon and sulfur production by polar clones of the genus <i>Phaeocystis</i> . Marine Biology, 1995, 124, 157-167.	1.5	66