

Matthew D Patey

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,128
citations

471509

17
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

2141
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of nitrate and phosphate in seawater at nanomolar concentrations. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 169-182.	11.4	204
2	Degree of oligotrophy controls the response of microbial plankton to Saharan dust. <i>Limnology and Oceanography</i> , 2010, 55, 2339-2352.	3.1	134
3	Methods for the sampling and analysis of marine aerosols: results from the 2008 GEOTRACES aerosol intercalibration experiment. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 62-78.	2.0	100
4	Seasonal characteristics of tropical marine boundary layer air measured at the Cape Verde Atmospheric Observatory. <i>Journal of Atmospheric Chemistry</i> , 2010, 67, 87-140.	3.2	97
5	Isotopic composition of atmospheric nitrate in a tropical marine boundary layer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17668-17673.	7.1	76
6	Dissolved silver in European estuarine and coastal waters. <i>Water Research</i> , 2010, 44, 4204-4216.	11.3	71
7	Changes in iron speciation following a Saharan dust event in the tropical North Atlantic Ocean. <i>Marine Chemistry</i> , 2008, 110, 56-67.	2.3	63
8	Modeling the global emission, transport and deposition of trace elements associated with mineral dust. <i>Biogeosciences</i> , 2015, 12, 5771-5792.	3.3	49
9	Fluxes and distribution of dissolved iron in the eastern (sub-€) tropical North Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	48
10	Long-term aerosol measurements in Gran Canaria, Canary Islands: Particle concentration, sources and elemental composition. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	42
11	A PW91 Density Functional Study of Conformational Choice in 2-Phenylethanol, n-Butylbenzene, and Their Cations: A Problems for Density Functional Theory?. <i>Journal of Physical Chemistry A</i> , 2002, 106, 4623-4631.	2.5	41
12	Aerosol time-series measurements over the tropical Northeast Atlantic Ocean: Dust sources, elemental composition and mineralogy. <i>Marine Chemistry</i> , 2015, 174, 103-119.	2.3	41
13	Interferences in the analysis of nanomolar concentrations of nitrate and phosphate in oceanic waters. <i>Analytica Chimica Acta</i> , 2010, 673, 109-116.	5.4	36
14	Mechanisms of dissolved and labile particulate iron supply to shelf waters and phytoplankton blooms off South Georgia, Southern Ocean. <i>Biogeosciences</i> , 2018, 15, 4973-4993.	3.3	32
15	Environmental Forcing of Nitrogen Fixation in the Eastern Tropical and Sub-Tropical North Atlantic Ocean. <i>PLoS ONE</i> , 2011, 6, e28989.	2.5	32
16	Picoeukaryote distribution in relation to nitrate uptake in the oceanic nitracline. <i>Aquatic Microbial Ecology</i> , 2014, 72, 195-213.	1.8	21
17	Evaluating the balance between vertical diffusive nitrate supply and nitrogen fixation with reference to nitrate uptake in the eastern subtropical North Atlantic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 5732-5749.	2.6	20
18	Atmospheric fluxes of soluble nutrients and Fe: More than three years of wet and dry deposition measurements at Gran Canaria (Canary Islands). <i>Atmospheric Environment</i> , 2021, 246, 118090.	4.1	12

#	ARTICLE	IF	CITATIONS
19	Industry Partnership: Lab on Chip Chemical Sensor Technology for Ocean Observing. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	8