

Robert T Letscher

List of Publications by Year in descending order

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687363

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1416
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#	ARTICLE	IF	CITATIONS
1	Preferential remineralization of dissolved organic phosphorus and non-Redfield DOM dynamics in the global ocean: Impacts on marine productivity, nitrogen fixation, and carbon export. <i>Global Biogeochemical Cycles</i> , 2015, 29, 325-340.	4.9	116
2	Dissolved organic nitrogen in the global surface ocean: Distribution and fate. <i>Global Biogeochemical Cycles</i> , 2013, 27, 141-153.	4.9	104
3	Nutrient budgets in the subtropical ocean gyres dominated by lateral transport. <i>Nature Geoscience</i> , 2016, 9, 815-819.	12.9	91
4	Rapid removal of terrigenous dissolved organic carbon over the Eurasian shelves of the Arctic Ocean. <i>Marine Chemistry</i> , 2011, 123, 78-87.	2.3	82
5	N_2O production and consumption from stable isotopic and concentration data in the Peruvian coastal upwelling system. <i>Global Biogeochemical Cycles</i> , 2017, 31, 678-698.	4.9	59
6	Variable C : N : P stoichiometry of dissolved organic matter cycling in the Community Earth System Model. <i>Biogeosciences</i> , 2015, 12, 209-221.	3.3	58
7	New nutrients exert fundamental control on dissolved organic carbon accumulation in the surface Atlantic Ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10497-10502.	7.1	57
8	Microbial community composition and nitrogen availability influence DOC remineralization in the South Pacific Gyre. <i>Marine Chemistry</i> , 2015, 177, 325-334.	2.3	50
9	Large Stimulation of Recalcitrant Dissolved Organic Carbon Degradation by Increasing Ocean Temperatures. <i>Frontiers in Marine Science</i> , 2018, 4, .	2.5	44
10	Dissolved organic nitrogen dynamics in the Arctic Ocean. <i>Marine Chemistry</i> , 2013, 148, 1-9.	2.3	37
11	Simulations With the Marine Biogeochemistry Library (MARBL). <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002647.	3.8	37
12	Effect of Dissolved Organic Carbon and Alkalinity on the Density of Arctic Ocean Waters. <i>Aquatic Geochemistry</i> , 2011, 17, 311-326.	1.3	15
13	Global distribution and surface activity of macromolecules in offline simulations of marine organic chemistry. <i>Biogeochemistry</i> , 2015, 126, 25-56.	3.5	15
14	Marine phytoplankton resilience may moderate oligotrophic ecosystem responses and biogeochemical feedbacks to climate change. <i>Limnology and Oceanography</i> , 2022, 67, .	3.1	15
15	Modest net autotrophy in the oligotrophic ocean. <i>Global Biogeochemical Cycles</i> , 2017, 31, 699-708.	4.9	11
16	Does Marine Surface Tension Have Global Biogeography? Addition for the OCEANFILMS Package. <i>Atmosphere</i> , 2018, 9, 216.	2.3	10
17	Evaluation of the seasonal formation of subsurface negative preformed nitrate anomalies in the subtropical North Pacific and North Atlantic. <i>Biogeosciences</i> , 2018, 15, 6461-6480.	3.3	9
18	The Dual Isotopic Composition of Nitrate in the Gulf of Mexico and Florida Straits. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016047.	2.6	8