

S Leigh Mccallister

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6722294/publications.pdf>

Version: 2024-02-01

21
papers

3,786
citations

471509

17
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

5319
citing authors

#	ARTICLE	IF	CITATIONS
1	Lakes and reservoirs as regulators of carbon cycling and climate. <i>Limnology and Oceanography</i> , 2009, 54, 2298-2314.	3.1	1,977
2	Molecular transformation and degradation of refractory dissolved organic matter in the Atlantic and Southern Ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 126, 321-337.	3.9	247
3	A molecular perspective on the ageing of marine dissolved organic matter. <i>Biogeosciences</i> , 2012, 9, 1935-1955.	3.3	200
4	Dissolved organic sulfur in the ocean: Biogeochemistry of a petagram inventory. <i>Science</i> , 2016, 354, 456-459.	12.6	152
5	Carbon Budget of Tidal Wetlands, Estuaries, and Shelf Waters of Eastern North America. <i>Global Biogeochemical Cycles</i> , 2018, 32, 389-416.	4.9	147
6	Assessing sources and ages of organic matter supporting river and estuarine bacterial production: A multiple isotope ($\delta^{14}\text{C}$, $\delta^{13}\text{C}$, and $\delta^{15}\text{N}$) approach. <i>Limnology and Oceanography</i> , 2004, 49, 1687-1702.	3.1	143
7	Differentiating the degradation dynamics of algal and terrestrial carbon within complex natural dissolved organic carbon in temperate lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 963-973.	3.0	121
8	Evidence for the respiration of ancient terrestrial organic C in northern temperate lakes and streams. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16963-16968.	7.1	110
9	Sources of estuarine dissolved and particulate organic matter: A multi-tracer approach. <i>Organic Geochemistry</i> , 2006, 37, 454-468.	1.8	109
10	Selective consumption and metabolic allocation of terrestrial and algal carbon determine allochthony in lake bacteria. <i>ISME Journal</i> , 2016, 10, 1373-1382.	9.8	103
11	Direct measurement of the $\delta^{13}\text{C}$ signature of carbon respired by bacteria in lakes: Linkages to potential carbon sources, ecosystem baseline metabolism, and CO_2 fluxes. <i>Limnology and Oceanography</i> , 2008, 53, 1204-1216.	3.1	99
12	Net ecosystem production and organic carbon balance of U.S. East Coast estuaries: A synthesis approach. <i>Global Biogeochemical Cycles</i> , 2015, 29, 96-111.	4.9	93
13	Bioreactivity of estuarine dissolved organic matter: A combined geochemical and microbiological approach. <i>Limnology and Oceanography</i> , 2006, 51, 94-100.	3.1	60
14	Radiocarbon and stable carbon isotopic insights into provenance and cycling of carbon in Lake Superior. <i>Limnology and Oceanography</i> , 2011, 56, 867-886.	3.1	46
15	An isotopic ($\delta^{14}\text{C}$, $\delta^{13}\text{C}$, $\delta^{15}\text{N}$) approach to organic matter and zooplankton food sources in Lake Superior and across a size-gradient of aquatic systems. <i>Biogeosciences</i> , 2012, 9, 3663-3678.	3.3	44
16	Bacterial assemblages of the eastern Atlantic Ocean reveal both vertical and latitudinal biogeographic signatures. <i>Biogeosciences</i> , 2012, 9, 2177-2193.	3.3	38
17	Biogeochemical tools for characterizing organic carbon in inland aquatic ecosystems. <i>Limnology and Oceanography Letters</i> , 2018, 3, 444-457.	3.9	37
18	Dynamics of dissolved organic matter in fjord ecosystems: Contributions of terrestrial dissolved organic matter in the deep layer. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 159, 37-49.	2.1	18

#	ARTICLE	IF	CITATIONS
19	A system to quantitatively recover bacterioplankton respiratory CO ₂ for isotopic analysis to trace sources and ages of organic matter consumed in freshwaters. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 406-415.	2.0	16
20	Aging and Molecular Changes of Dissolved Organic Matter Between Two Deep Oceanic End-Members. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1449-1456.	4.9	15
21	Response to Comment on "Dissolved organic sulfur in the ocean: Biogeochemistry of a petagram inventory". <i>Science</i> , 2017, 356, 813-813.	12.6	10