

Rainer Amon

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

5,925
citations

101543

36
h-index

214800

47
g-index

51
all docs

51
docs citations

51
times ranked

5653
citing authors

#	ARTICLE	IF	CITATIONS
1	The MALINA oceanographic expedition: how do changes in ice cover, permafrost and UV radiation impact biodiversity and biogeochemical fluxes in the Arctic Ocean?. <i>Earth System Science Data</i> , 2021, 13, 1561-1592.	9.9	11
2	Insights Into Water Mass Origins in the Central Arctic Ocean From In-situ Dissolved Organic Matter Fluorescence. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017407.	2.6	9
3	Turbulent Mixing in a Loop Current Eddy From Glider-Based Microstructure Observations. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088033.	4.0	11
4	The Transpolar Drift as a Source of Riverine and Shelf-Derived Trace Elements to the Central Arctic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015920.	2.6	80
5	Sources of Dissolved Organic Carbon in Rivers of the Yenisei River Basin. <i>Doklady Earth Sciences</i> , 2018, 480, 763-766.	0.7	6
6	The fate of terrigenous dissolved organic carbon on the Eurasian shelves and export to the North Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 4-22.	2.6	62
7	Origins and transformations of dissolved organic matter in large Arctic rivers. <i>Scientific Reports</i> , 2017, 7, 13064.	3.3	74
8	Predicting Dissolved Lignin Phenol Concentrations in the Coastal Ocean from Chromophoric Dissolved Organic Matter (CDOM) Absorption Coefficients. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	50
9	Ocean dissolved organics matter. <i>Nature Geoscience</i> , 2016, 9, 864-865.	12.9	9
10	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , 2016, 11, 034014.	5.2	199
11	Polychaete annelid (segmented worms) abundance and species composition in the proximity (6-9 km) of the Deep Water Horizon (DWH) Oil Spill in the Deep Gulf of Mexico. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 129, 130-136.	1.4	13
12	The Size-Reactivity Continuum of Major Bioelements in the Ocean. <i>Annual Review of Marine Science</i> , 2015, 7, 185-205.	11.6	284
13	Labile pyrogenic dissolved organic carbon in major Siberian Arctic rivers: Implications for wildfire-stream metabolic linkages. <i>Geophysical Research Letters</i> , 2015, 42, 377-385.	4.0	55
14	Distribution and persistence of <i>Escherichia coli</i> and <i>Enterococci</i> in stream bed and bank sediments from two urban streams in Houston, TX. <i>Science of the Total Environment</i> , 2015, 502, 650-658.	8.0	42
15	The rise and fall of methanotrophy following a deepwater oil-well blowout. <i>Nature Geoscience</i> , 2014, 7, 423-427.	12.9	121
16	Tracing sources of organic matter in adjacent urban streams having different degrees of channel modification. <i>Science of the Total Environment</i> , 2014, 485-486, 252-262.	8.0	23
17	Variations in high-latitude riverine fluorescent dissolved organic matter: A comparison of large Arctic rivers. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 1689-1702.	3.0	124
18	Pan-Arctic distributions of continental runoff in the Arctic Ocean. <i>Scientific Reports</i> , 2013, 3, 1053.	3.3	195

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19	Characteristics of colored dissolved organic matter (CDOM) in the Arctic outflow in the Fram Strait: Assessing the changes and fate of terrigenous CDOM in the Arctic Ocean. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	87
20	Dissolved organic matter sources in large Arctic rivers. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 94, 217-237.	3.9	207
21	Temperature Control on Soluble Reactive Phosphorus in the Lower Mississippi River?. <i>Estuaries and Coasts</i> , 2011, 34, 78-89.	2.2	10
22	Controls of ²³⁴ Th removal from the oligotrophic ocean by polyuronic acids and modification by microbial activity. <i>Marine Chemistry</i> , 2011, 123, 111-126.	2.3	38
23	The supply and characteristics of colored dissolved organic matter (CDOM) in the Arctic Ocean: Pan Arctic trends and differences. <i>Marine Chemistry</i> , 2011, 124, 108-118.	2.3	240
24	Sources and the flux pattern of dissolved carbon in rivers of the Yenisey basin draining the Central Siberian Plateau. <i>Environmental Research Letters</i> , 2011, 6, 045212.	5.2	77
25	Effects of tributary inputs on nutrient export from the Mississippi and Atchafalaya Rivers to the Gulf of Mexico. <i>Marine and Freshwater Research</i> , 2010, 61, 1029.	1.3	12
26	Analysis of lignin-derived phenols in standard reference materials and ocean dissolved organic matter by gas chromatography/tandem mass spectrometry. <i>Marine Chemistry</i> , 2010, 118, 85-97.	2.3	55
27	Circumpolar synchrony in big river bacterioplankton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21208-21212.	7.1	136
28	The use of PARAFAC modeling to trace terrestrial dissolved organic matter and fingerprint water masses in coastal Canadian Arctic surface waters. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	138
29	Development of a Pan-Arctic Database for River Chemistry. <i>Eos</i> , 2008, 89, 217-218.	0.1	72
30	A review of water column processes influencing hypoxia in the northern Gulf of Mexico. <i>Estuaries and Coasts</i> , 2007, 30, 735-752.	2.2	110
31	Terrigenous dissolved organic matter in the Arctic Ocean and its transport to surface and deep waters of the North Atlantic. <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	4.9	169
32	The biogeochemistry of dissolved organic matter and nutrients in two large Arctic estuaries and potential implications for our understanding of the Arctic Ocean system. <i>Marine Chemistry</i> , 2004, 92, 311-330.	2.3	119
33	Export of young terrigenous dissolved organic carbon from rivers to the Arctic Ocean. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	177
34	Heterotrophic bacterial activity and fluxes of dissolved free amino acids and glucose in the Arctic rivers Ob, Yenisei and the adjacent Kara Sea. <i>Aquatic Microbial Ecology</i> , 2004, 37, 121-135.	1.8	100
35	Dissolved organic carbon distribution and origin in the Nordic Seas: Exchanges with the Arctic Ocean and the North Atlantic. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	103
36	Combined neutral sugars as indicators of the diagenetic state of dissolved organic matter in the Arctic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2003, 50, 151-169.	1.4	116

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37	Linkages among the bioreactivity, chemical composition, and diagenetic state of marine dissolved organic matter. <i>Limnology and Oceanography</i> , 2001, 46, 287-297.	3.1	355
38	Microbial Metabolism and Nutrient Cycling in the Mississippi and Atchafalaya River Plumes. <i>Estuarine, Coastal and Shelf Science</i> , 2000, 50, 173-184.	2.1	92
39	Major flux of terrigenous dissolved organic matter through the Arctic Ocean. <i>Limnology and Oceanography</i> , 1999, 44, 2017-2023.	3.1	282
40	Seasonal Patterns of Bacterial Abundance and Production in the Mississippi River Plume and Their Importance for the Fate of Enhanced Primary Production. <i>Microbial Ecology</i> , 1998, 35, 289-300.	2.8	57
41	Photochemical and microbial consumption of dissolved organic carbon and dissolved oxygen in the Amazon River system. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 1783-1792.	3.9	332
42	Bacterial utilization of different size classes of dissolved organic matter. <i>Limnology and Oceanography</i> , 1996, 41, 41-51.	3.1	860
43	Effects of high-molecular-weight dissolved organic matter on nitrogen dynamics in the Mississippi River plume. <i>Marine Ecology - Progress Series</i> , 1996, 133, 287-297.	1.9	44
44	Rapid cycling of high-molecular-weight dissolved organic matter in the ocean. <i>Nature</i> , 1994, 369, 549-552.	27.8	450
45	Deposit Feeding and Sediment:. <i>Marine Ecology</i> , 1991, 12, 163-174.	1.1	49
46	Deposit Feeding and Sediment:.. <i>Marine Ecology</i> , 1991, 12, 175-184.	1.1	11