

Michael D Krom

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,338
citations

361413

20
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

2800
citing authors

#	ARTICLE	IF	CITATIONS
1	A revised scheme for the reactivity of iron (oxyhydr)oxide minerals towards dissolved sulfide. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 3703-3715.	3.9	490
2	The diagenesis of phosphorus in a nearshore marine sediment. <i>Geochimica Et Cosmochimica Acta</i> , 1981, 45, 207-216.	3.9	344
3	Atmospheric input of nitrogen and phosphorus to the Southeast Mediterranean: Sources, fluxes, and possible impact. <i>Limnology and Oceanography</i> , 1999, 44, 1683-1692.	3.1	209
4	The role of dust in supplying nitrogen and phosphorus to the Southeast Mediterranean. <i>Limnology and Oceanography</i> , 2002, 47, 870-878.	3.1	151
5	Formation of Iron Nanoparticles and Increase in Iron Reactivity in Mineral Dust during Simulated Cloud Processing. <i>Environmental Science & Technology</i> , 2009, 43, 6592-6596.	10.0	140
6	P-limited bacteria but N and P co-limited phytoplankton in the Eastern Mediterranean—a microcosm experiment. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 3011-3023.	1.4	118
7	Influence of chemical weathering and aging of iron oxides on the potential iron solubility of Saharan dust during simulated atmospheric processing. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	90
8	Adsorption—Desorption of Phosphate on Airborne Dust and Riverborne Particulates in East Mediterranean Seawater. <i>Environmental Science & Technology</i> , 2002, 36, 3519-3524.	10.0	75
9	Impact of atmospheric deposition on N and P geochemistry in the southeastern Levantine basin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 3041-3053.	1.4	69
10	Atmospheric Processing Outside Clouds Increases Soluble Iron in Mineral Dust. <i>Environmental Science & Technology</i> , 2015, 49, 1472-1477.	10.0	68
11	Understanding the nature of atmospheric acid processing of mineral dusts in supplying bioavailable phosphorus to the oceans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14639-14644.	7.1	68
12	Microbial community structure and function in the Levantine Basin of the eastern Mediterranean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 1721-1743.	1.4	61
13	Understanding the unique biogeochemistry of the Mediterranean Sea: Insights from a coupled phosphorus and nitrogen model. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1010-1031.	4.9	54
14	Phosphorus cycling in Lake Cadagno, Switzerland: A low sulfate euxinic ocean analogue. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 251, 116-135.	3.9	51
15	The Potential Impact of Saharan Dust and Polluted Aerosols on Microbial Populations in the East Mediterranean Sea, an Overview of a Mesocosm Experimental Approach. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	47
16	The mixed-layer/thermocline cycle of a persistent warm core eddy in the eastern Mediterranean. <i>Dynamics of Atmospheres and Oceans</i> , 1991, 15, 457-476.	1.8	46
17	Isotopic composition of nitrate in wet and dry atmospheric deposition on Crete in the eastern Mediterranean Sea. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	4.9	43
18	Satellite-derived spatial and temporal biological variability in the Cyprus Eddy. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 2990-3010.	1.4	38

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19	Understanding how estuarine hydrology controls ammonium and other inorganic nitrogen concentrations and fluxes through the subtropical Jiulong River Estuary, S.E. China under baseflow and flood-affected conditions. <i>Biogeochemistry</i> , 2019, 142, 443-466.	3.5	32
20	Circulation and oxygen cycling in the Mediterranean Sea: Sensitivity to future climate change. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 8230-8247.	2.6	27
21	Evidence for the Presence of Oxygen-Depleted Sapropel Intermediate Water across the Eastern Mediterranean during Sapropel S1. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2287-2297.	2.7	19
22	Sedimentary phosphorus cycling and budget in the seasonally hypoxic coastal area of Changjiang Estuary. <i>Science of the Total Environment</i> , 2020, 713, 136389.	8.0	17
23	X-ray Spectroscopic Quantification of Phosphorus Transformation in Saharan Dust during Trans-Atlantic Dust Transport. <i>Environmental Science & Technology</i> , 2021, 55, 12694-12703.	10.0	17
24	Sedimentary processes dominate nitrous oxide production and emission in the hypoxic zone off the Changjiang River estuary. <i>Science of the Total Environment</i> , 2022, 827, 154042.	8.0	14
25	Human disturbance on phosphorus sources, processes and riverine export in a subtropical watershed. <i>Science of the Total Environment</i> , 2021, 769, 144658.	8.0	13
26	Seasonal nutrient dynamics in the P depleted Eastern Mediterranean Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 176, 103607.	1.4	11
27	Redox evolution and the development of oxygen minimum zones in the Eastern Mediterranean Levantine basin during the early Holocene. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 297, 82-100.	3.9	10
28	Spatiotemporal Variation of Microbial Communities in the Ultra-Oligotrophic Eastern Mediterranean Sea. <i>Frontiers in Microbiology</i> , 2022, 13, 867694.	3.5	7
29	Seasonal patterns of coccolithophores in the ultra-oligotrophic South-East Levantine Basin, Eastern Mediterranean Sea. <i>Marine Micropaleontology</i> , 2022, 175, 102153.	1.2	5
30	Insights on nitrogen balance in the Eastern Mediterranean Sea. <i>Environmental Microbiology</i> , 2011, 13, 851-853.	3.8	1