

# Christian MÃrz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8406047/publications.pdf>

Version: 2024-02-01

45  
papers

1,344  
citations

393982

19  
h-index

360668

35  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2065  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biogeochemical consequences of a changing Arctic shelf seafloor ecosystem. <i>Ambio</i> , 2022, 51, 370-382.	2.8	7
2	Nutrient pathways and their susceptibility to past and future change in the Eurasian Arctic Ocean. <i>Ambio</i> , 2022, 51, 355-369.	2.8	10
3	Millennial scale persistence of organic carbon bound to iron in Arctic marine sediments. <i>Nature Communications</i> , 2021, 12, 275.	5.8	41
4	The evolution of early diagenetic processes at the Mozambique margin during the last glacial-interglacial transition. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 300, 79-94.	1.6	11
5	Technical note: Uncovering the influence of methodological variations on the extractability of iron-bound organic carbon. <i>Biogeosciences</i> , 2021, 18, 3409-3419.	1.3	10
6	Workflow model for the digitization of mudrocks. <i>Geological Society Special Publication</i> , 2020, 484, 165-187.	0.8	3
7	The effect of extraction techniques on calcium concentrations and isotope ratios of marine pore water. <i>Isotopes in Environmental and Health Studies</i> , 2020, 56, 51-68.	0.5	2
8	Arctic Continental Margin Sediments as Possible Fe and Mn Sources to Seawater as Sea Ice Retreats: Insights From the Eurasian Margin. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006581.	1.9	5
9	Sedimentation of the Kimmeridge Clay Formation in the Cleveland Basin (Yorkshire, UK). <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 977.	0.8	3
10	Benthic-pelagic coupling in the Barents Sea: an integrated data-model framework. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190359.	1.6	17
11	The changing Arctic Ocean: consequences for biological communities, biogeochemical processes and ecosystem functioning. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20200266.	1.6	11
12	Experimental evaluation of the extractability of iron bound organic carbon in sediments as a function of carboxyl content. <i>Chemical Geology</i> , 2020, 556, 119853.	1.4	17
13	Benthic phosphorus cycling within the Eurasian marginal sea ice zone. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190358.	1.6	6
14	Transformation of organic matter in a Barents Sea sediment profile: coupled geochemical and microbiological processes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20200223.	1.6	10
15	Does Arctic warming reduce preservation of organic matter in Barents Sea sediments?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190364.	1.6	17
16	The Secret "After Life"™ of Foraminifera: Big Things Out of Small. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 550.	0.8	3
17	Development of Iron Speciation Reference Materials for Palaeoredox Analysis. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 581-591.	1.7	31
18	Pyrite oxidation in shales: Implications for palaeo-redox proxies based on geochemical and SEM-EDX evidence. <i>Sedimentary Geology</i> , 2019, 389, 186-199.	1.0	31

#	ARTICLE	IF	CITATIONS
19	Dynamic climate-driven controls on the deposition of the Kimmeridge Clay Formation in the Cleveland Basin, Yorkshire, UK. <i>Climate of the Past</i> , 2019, 15, 1581-1601.	1.3	9
20	Deep Sulfate-Methane-Transition and sediment diagenesis in the Gulf of Alaska (IODP Site U1417). <i>Marine Geology</i> , 2019, 417, 105986.	0.9	8
21	Local to global controls on the deposition of organic-rich muds across the Late Jurassic Laurusian Seaway. <i>Journal of the Geological Society</i> , 2019, 176, 1143-1153.	0.9	7
22	Dynamics of Manganese and Cerium Enrichments in Arctic Ocean Sediments: A Case Study From the Alpha Ridge. <i>Frontiers in Earth Science</i> , 2019, 6, .	0.8	23
23	Cordilleran ice-sheet growth fueled primary productivity in the Gulf of Alaska, northeast Pacific Ocean. <i>Geology</i> , 2018, 46, 307-310.	2.0	19
24	Phosphorus dynamics around the sulphate-methane transition in continental margin sediments: Authigenic apatite and Fe(II) phosphates. <i>Marine Geology</i> , 2018, 404, 84-96.	0.9	45
25	Quantifying $K$ , $U$ , and $T$ h contents of marine sediments using shipboard natural gamma radiation spectra measured on $DV$ JOIDES Resolution. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1053-1064.	1.0	74
26	Mineralogical and geochemical analysis of Fe-phases in drill-cores from the Triassic Stuttgart Formation at Ketzin CO <sub>2</sub> storage site before CO <sub>2</sub> arrival. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	7
27	Identifying biogenic silica: Mudrock micro-fabric explored through charge contrast imaging. <i>American Mineralogist</i> , 2017, 102, 833-844.	0.9	12
28	A multiproxy study distinguishes environmental change from diagenetic alteration in the recent sedimentary record of the inner Cadiz Bay (SW Spain). <i>Holocene</i> , 2016, 26, 1355-1370.	0.9	8
29	Repeated enrichment of trace metals and organic carbon on an Eocene high-energy shelf caused by anoxia and reworking. <i>Geology</i> , 2016, 44, 1011-1014.	2.0	19
30	Elevated uranium concentrations in Lake Baikal sediments: Burial and early diagenesis. <i>Chemical Geology</i> , 2016, 441, 92-105.	1.4	25
31	A continental-weathering control on orbitally driven redox-nutrient cycling during Cretaceous Oceanic Anoxic Event 2. <i>Geology</i> , 2015, 43, 963-966.	2.0	77
32	Towards a mechanistic understanding of carbon stabilization in manganese oxides. <i>Nature Communications</i> , 2015, 6, 7628.	5.8	102
33	Mid-Pleistocene climate transition drives net mass loss from rapidly uplifting St. Elias Mountains, Alaska. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15042-15047.	3.3	74
34	Anoxic Oceans. , 2015, , 1-6.		0
35	The spread of marine anoxia on the northern Tethys margin during the Paleocene-Eocene Thermal Maximum. <i>Paleoceanography</i> , 2014, 29, 471-488.	3.0	55
36	An Arctic perspective on dating Mid-Late Pleistocene environmental history. <i>Quaternary Science Reviews</i> , 2014, 92, 9-31.	1.4	48

#	ARTICLE	IF	CITATIONS
37	Late Quaternary paleoenvironmental changes revealed by multi-proxy records from the Chukchi Abyssal Plain, western Arctic Ocean. <i>Global and Planetary Change</i> , 2013, 108, 100-118.	1.6	29
38	The evolution of early diagenetic signals in Bering Sea subseafloor sediments in response to varying organic carbon deposition over the last 4.3Ma. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 109, 175-196.	1.6	37
39	Establishment of euxinic conditions in the Holocene Black Sea. <i>Geology</i> , 2013, 41, 431-434.	2.0	56
40	Diagenetic barium cycling in Black Sea sediments – A case study for anoxic marine environments. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 88, 88-105.	1.6	67
41	Geochemical environment of Cenomanian - Turonian black shale deposition at Wunstorf (northern Tj ETQq1 1 0.784314 rgBI/Overloch	0.6	57
42	Variable Eocene-Miocene sedimentation processes and bottom water redox conditions in the Central Arctic Ocean (IODP Expedition 302). <i>Earth and Planetary Science Letters</i> , 2011, 310, 526-537.	1.8	14
43	A new particulate Mn-Fe-P-shuttle at the redoxcline of anoxic basins. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 7100-7115.	1.6	215
44	Are the Kimmeridge Clay deposits affected by ‘‘burn-down’’ events? Palynological and geochemical studies on a 1 metre long section from the Upper Kimmeridge Clay Formation (Dorset, UK). <i>Sedimentary Geology</i> , 2009, 222, 301-313.	1.0	4
45	Coniacian-Santonian deep ocean anoxia/euxinia inferred from molecular and inorganic markers: Results from the Demerara Rise (ODP Leg 207). <i>Organic Geochemistry</i> , 2008, 39, 1092-1096.	0.9	14