

Laura Wehrmann

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

895
citations

471371

17
h-index

526166

27
g-index

28
all docs

28
docs citations

28
times ranked

1331
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic matter release by cold water corals and its implication for fauna-microbe interaction. <i>Marine Ecology - Progress Series</i> , 2008, 372, 67-75.	0.9	94
2	Iron and manganese speciation and cycling in glacially influenced high-latitude fjord sediments (West Tj ETQq0 0 0 rgBT /Overlock 10 T Cosmochimica Acta, 2014, 141, 628-655.	1.6	88
3	Coupled organic and inorganic carbon cycling in the deep subseafloor sediment of the northeastern Bering Sea Slope (IODP Exp. 323). <i>Chemical Geology</i> , 2011, 284, 251-261.	1.4	79
4	Diagenetic formation of gypsum and dolomite in a cold-water coral mound in the Porcupine Seabight, off Ireland. <i>Sedimentology</i> , 2010, 57, 786-805.	1.6	70
5	Sulfur Cycling in an Iron Oxide-Dominated, Dynamic Marine Depositional System: The Argentine Continental Margin. <i>Frontiers in Earth Science</i> , 2017, 5, .	0.8	70
6	Complex Microbial Communities Drive Iron and Sulfur Cycling in Arctic Fjord Sediments. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	58
7	Cold-water coral mounds on the Pen Duick Escarpment, Gulf of Cadiz: The MICROSISTEMS project approach. <i>Marine Geology</i> , 2011, 282, 102-117.	0.9	48
8	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
9	Iron-controlled oxidative sulfur cycling recorded in the distribution and isotopic composition of sulfur species in glacially influenced fjord sediments of west Svalbard. <i>Chemical Geology</i> , 2017, 466, 678-695.	1.4	33
10	Microbial degradation of cold-water coral-derived organic matter: potential implication for organic C cycling in the water column above Tisler Reef. <i>Aquatic Biology</i> , 2009, 7, 71-80.	0.5	32
11	The imprint of methane seepage on the geochemical record and early diagenetic processes in cold-water coral mounds on Pen Duick Escarpment, Gulf of Cadiz. <i>Marine Geology</i> , 2011, 282, 118-137.	0.9	31
12	The influence of bacterial activity on phosphorite formation in the Miocene Monterey Formation, California. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 317-318, 171-181.	1.0	31
13	Carbon mineralization and carbonate preservation in modern cold-water coral reef sediments on the Norwegian shelf. <i>Biogeosciences</i> , 2009, 6, 663-680.	1.3	29
14	Resistance of <i>Lophelia pertusa</i> to coverage by sediment and petroleum drill cuttings. <i>Marine Pollution Bulletin</i> , 2013, 74, 132-140.	2.3	28
15	Alkaline vents and steep Na ⁺ gradients from ridge-flank basalts- Implications for the origin and evolution of life. <i>Geology</i> , 2017, 45, 1135-1138.	2.0	24
16	Unique authigenic mineral assemblages reveal different diagenetic histories in two neighbouring cold-water coral mounds on Pen Duick Escarpment, Gulf of Cadiz. <i>Sedimentology</i> , 2012, 59, 578-604.	1.6	22
17	Glacial influence on the iron and sulfur cycles in Arctic fjord sediments (Svalbard). <i>Geochimica Et Cosmochimica Acta</i> , 2020, 280, 423-440.	1.6	20
18	Repeated occurrences of methanogenic zones, diagenetic dolomite formation and linked silicate alteration in southern Bering Sea sediments (Bowers Ridge, IODP Exp. 323 Site U1341). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 125-126, 117-132.	0.6	19

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19	Glacial controls on redox-sensitive trace element cycling in Arctic fjord sediments (Spitsbergen,) Tj ETQq1 1 0.784314 rgBT /Qyerlock 10	1.6	15
20	Biogeochemistry and microbiology of high Arctic marine sediment ecosystemsâ€”Case study of Svalbard fjords. <i>Limnology and Oceanography</i> , 2021, 66, S273.	1.6	15
21	Microbial community composition and biogeochemical processes in cold-water coral carbonate mounds in the Gulf of Cadiz, on the Moroccan margin. <i>Marine Geology</i> , 2011, 282, 138-148.	0.9	11
22	Benthic iron flux influenced by climateâ€”sensitive interplay between organic carbon availability and sedimentation rate in Arctic fjords. <i>Limnology and Oceanography</i> , 2021, 66, 3374-3392.	1.6	11
23	Mineralogical and geochemical analysis of Fe-phases in drill-cores from the Triassic Stuttgart Formation at Ketzin CO2 storage site before CO2 arrival. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	7
24	Calciumâ€”ammonium exchange experiments on clay minerals using a45Ca tracer technique in marine pore water. <i>Isotopes in Environmental and Health Studies</i> , 2014, 50, 1-17.	0.5	6
25	Linking sedimentary sulfur and iron biogeochemistry to growth patterns of a coldâ€”water coral mound in the Porcupine Basin, S.W. Ireland (IODP Expedition 307). <i>Geobiology</i> , 2015, 13, 424-442.	1.1	5
26	Biogeochemical Consequences of the Sedimentary Subseafloor Biosphere. <i>Developments in Marine Geology</i> , 2014, 7, 217-252.	0.4	4
27	Constraining the formation of authigenic carbonates in a seepageâ€”affected coldâ€”water coral mound by lipid biomarkers. <i>Geobiology</i> , 2020, 18, 185-206.	1.1	4
28	MICROBIAL COMMUNITY DATA SUPPORTS BIOLOGICALLY MEDIATED CRYPTIC SULFUR CYCLING IN ARCTIC SEDIMENTS, VAN KEULENFJORDEN, SVALBARD (79Â°N). , 2018, , .		0