

Jens Hefter

List of Publications by Year in descending order

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58
papers

1,803
citations

257450

24
h-index

289244

40
g-index

83
all docs

83
docs citations

83
times ranked

2312
citing authors

#	ARTICLE	IF	CITATIONS
1	Late Pliocene changes in the North Atlantic Current. <i>Earth and Planetary Science Letters</i> , 2010, 298, 434-442.	4.4	103
2	Variations in mid-latitude North Atlantic surface water properties during the mid-Brunhes (MIS 9-14) and their implications for the thermohaline circulation. <i>Climate of the Past</i> , 2010, 6, 531-552.	3.4	101
3	Strengthening of North American dust sources during the late Pliocene (2.7 Ma). <i>Earth and Planetary Science Letters</i> , 2012, 317-318, 8-19.	4.4	101
4	Variability of surface water characteristics and Heinrich-like events in the Pleistocene midlatitude North Atlantic Ocean: Biomarker and XRD records from IODP Site U1313 (MIS 16-9). <i>Paleoceanography</i> , 2009, 24, .	3.0	99
5	Millennial-scale ice rafting events and Hudson Strait Heinrich(-like) Events during the late Pliocene and Pleistocene: a review. <i>Quaternary Science Reviews</i> , 2013, 80, 1-28.	3.0	98
6	Metabolites of xenobiotica and mineral oil constituents linked to macromolecular organic matter in polluted environments. <i>Organic Geochemistry</i> , 1994, 22, 671-680.	1.8	82
7	A chemical view of the most ancient metazoa - biomarker chemotaxonomy of hexactinellid sponges. <i>Die Naturwissenschaften</i> , 2002, 89, 60-66.	1.6	68
8	Organic pollutants associated with macromolecular soil organic matter: Mode of binding. <i>Organic Geochemistry</i> , 1997, 26, 745-758.	1.8	63
9	Warming of surface waters in the mid-latitude North Atlantic during Heinrich events. <i>Paleoceanography</i> , 2013, 28, 153-163.	3.0	56
10	Deglacial mobilization of pre-aged terrestrial carbon from degrading permafrost. <i>Nature Communications</i> , 2018, 9, 3666.	12.8	53
11	Changes in the deposition of terrestrial organic matter on the Laptev Sea shelf during the Holocene: evidence from stable carbon isotopes. <i>International Journal of Earth Sciences</i> , 2000, 89, 563-568.	1.8	51
12	Sea surface temperatures did not control the first occurrence of Hudson Strait Heinrich Events during MIS 16. <i>Paleoceanography</i> , 2011, 26, .	3.0	51
13	Aliphatic lipids in recent sediments of the Fram Strait/Yermak Plateau (Arctic Ocean): composition, sources and transport processes. <i>Marine Chemistry</i> , 2004, 88, 127-160.	2.3	50
14	Carbon isotopic fractionation during a mesocosm bloom experiment dominated by <i>Emiliana huxleyi</i> : Effects of CO ₂ concentration and primary production. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1528-1541.	3.9	45
15	Standard operation procedures and performance of the MICADAS radiocarbon laboratory at Alfred Wegener Institute (AWI), Germany. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2021, 496, 45-51.	1.4	39
16	Characterization of particulate organic matter in the Lena River delta and adjacent nearshore zone, NE Siberia - Part 2: Lignin-derived phenol compositions. <i>Biogeosciences</i> , 2015, 12, 2261-2283.	3.3	37
17	Using distributions and stable isotopes of n-alkanes to disentangle organic matter contributions to sediments of Laguna Potrok Aike, Argentina. <i>Organic Geochemistry</i> , 2016, 102, 110-119.	1.8	32
18	Ethylene and methane in the upper water column of the subtropical Atlantic. <i>Biogeochemistry</i> , 1999, 44, 73-91.	3.5	30

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19	(-)-Verrucosan-2 ^o -ol from the phototrophic bacterium <i>Chloroflexus aurantiacus</i> : first report of a verrucosane-type diterpenoid from a prokaryote. <i>Journal of General Microbiology</i> , 1993, 139, 2757-2761.	2.3	29
20	Changes in latitudinal sea surface temperature gradients along the Southern Chilean margin since the last glacial. <i>Quaternary Science Reviews</i> , 2018, 194, 62-76.	3.0	29
21	Burial and Origin of Permafrost-Derived Carbon in the Nearshore Zone of the Southern Canadian Beaufort Sea. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085897.	4.0	28
22	Dispersal and aging of terrigenous organic matter in the Pearl River Estuary and the northern South China Sea Shelf. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 282, 324-339.	3.9	27
23	Rapid Atlantification along the Fram Strait at the beginning of the 20th century. <i>Science Advances</i> , 2021, 7, eabj2946.	10.3	27
24	Analysis of Alkenone Unsaturation Indices with Fast Gas Chromatography/Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 2161-2170.	6.5	26
25	Bisnorgammacerane traces predatory pressure and the persistent rise of algal ecosystems after Snowball Earth. <i>Nature Communications</i> , 2019, 10, 476.	12.8	24
26	Biomarker indications for microbial contribution to Recent and Late Jurassic carbonate deposits. <i>Facies</i> , 1993, 29, 93-105.	1.4	23
27	Application of the long chain diol index (LDI) paleothermometer to the early Pleistocene (MIS 96). <i>Organic Geochemistry</i> , 2012, 49, 83-85.	1.8	23
28	Glacial-to-Holocene evolution of sea surface temperature and surface circulation in the subarctic northwest Pacific and the Western Bering Sea. <i>Paleoceanography</i> , 2016, 31, 916-927.	3.0	23
29	Increased Amazon freshwater discharge during late Heinrich Stadial 1. <i>Quaternary Science Reviews</i> , 2018, 181, 144-155.	3.0	21
30	Permafrost-carbon mobilization in Beringia caused by deglacial meltwater runoff, sea-level rise and warming. <i>Environmental Research Letters</i> , 2019, 14, 085003.	5.2	21
31	Comparison of the U ¹³ C _{org} , TEX ₈₆ , and RI-OH temperature proxies in sediments from the northern shelf of the South China Sea. <i>Biogeosciences</i> , 2020, 17, 4499-4508.	3.3	20
32	Lipid biomarkers in surface sediments from the Gulf of Genoa, Ligurian sea (NW Mediterranean sea) and their potential for the reconstruction of palaeo-environments. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 89, 68-83.	1.4	19
33	A biomarker perspective on dust, productivity, and sea surface temperature in the Pacific sector of the Southern Ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 204, 120-139.	3.9	19
34	Origin and processing of terrestrial organic carbon in the Amazon system: lignin phenols in river, shelf, and fan sediments. <i>Biogeosciences</i> , 2017, 14, 2495-2512.	3.3	19
35	Flux variability of phyto- and zooplankton communities in the Mauritanian coastal upwelling between 2003 and 2008. <i>Biogeosciences</i> , 2020, 17, 187-214.	3.3	19
36	North Atlantic paleoceanography: The last five million years. <i>Eos</i> , 2006, 87, 129.	0.1	18

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37	Seasonality of archaeal lipid flux and GDGT-based thermometry in sinking particles of high-latitude oceans: Fram Strait (79°N) and Antarctic Polar Front (50°S). <i>Biogeosciences</i> , 2019, 16, 2247-2268.	3.3	17
38	¹⁴ C Blank Assessment in Small-Scale Compound-Specific Radiocarbon Analysis of Lipid Biomarkers and Lignin Phenols. <i>Radiocarbon</i> , 2020, 62, 207-218.	1.8	17
39	The nature, timescale, and efficiency of riverine export of terrestrial organic carbon in the (sub)tropics: Insights at the molecular level from the Pearl River and adjacent coastal sea. <i>Earth and Planetary Science Letters</i> , 2021, 565, 116934.	4.4	16
40	Summer temperature evolution on the Kamchatka Peninsula, Russian Far East, during the past 2000 years. <i>Climate of the Past</i> , 2017, 13, 359-377.	3.4	15
41	Long-chain diols in rivers: distribution and potential biological sources. <i>Biogeosciences</i> , 2018, 15, 4147-4161.	3.3	15
42	Modern and late Pleistocene particulate organic carbon transport by the Amazon River: Insights from long-chain alkyl diols. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 262, 1-19.	3.9	14
43	Tracing the source of ancient reworked organic matter delivered to the North Atlantic Ocean during Heinrich Events. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 205, 211-225.	3.9	12
44	On the application of alkenone- and GDGT-based temperature proxies in the south-eastern Brazilian continental margin. <i>Organic Geochemistry</i> , 2018, 126, 43-56.	1.8	12
45	Thermal response of the western tropical Atlantic to slowdown of the Atlantic Meridional Overturning Circulation. <i>Earth and Planetary Science Letters</i> , 2019, 519, 120-129.	4.4	12
46	Evaluation of lipid biomarkers as proxies for sea ice and ocean temperatures along the Antarctic continental margin. <i>Climate of the Past</i> , 2021, 17, 2305-2326.	3.4	12
47	Controls on the age of plant waxes in marine sediments – A global synthesis. <i>Organic Geochemistry</i> , 2021, 157, 104259.	1.8	11
48	Ethylene and methane in the upper water column of the subtropical Atlantic. <i>Biogeochemistry</i> , 1999, 44, 73-91.	3.5	10
49	Deglacial to Holocene variability in surface water characteristics and major floods in the Beaufort Sea. <i>Communications Earth & Environment</i> , 2020, 1, .	6.8	10
50	Dansgaard-Oeschger forcing of sea surface temperature variability in the midlatitude North Atlantic between 500 and 400 ka (MIS 12). <i>Paleoceanography</i> , 2014, 29, 1024-1030.	3.0	9
51	Bathypelagic particle flux signatures from a suboxic eddy in the oligotrophic tropical North Atlantic: production, sedimentation and preservation. <i>Biogeosciences</i> , 2016, 13, 3203-3223.	3.3	9
52	TEX86 in sinking particles in three eastern Atlantic upwelling regimes. <i>Organic Geochemistry</i> , 2018, 124, 151-163.	1.8	8
53	Branched GDGTs as Proxies in Surface Sediments From the South-Eastern Brazilian Continental Margin. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	8
54	Performance of temperature and productivity proxies based on long-chain alkane-1, mid-chain diols at test: a 5-year sediment trap record from the Mauritanian upwelling. <i>Biogeosciences</i> , 2022, 19, 1587-1610.	3.3	3

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55	Controls on the distributions of GDGTs and n-alkane isotopic compositions in sediments of the Amazon River Basin. <i>Chemical Geology</i> , 2022, 594, 120777.	3.3	3
56	A Novel Sedimentary Redox Proxy Based on Bacterial Dialkyl Glycerol Diether (Dgd) Lipids in Modern & Plio/Pleistocene Samples. , 2019, , .		0
57	Mobilization of Ancient Carbon from Thawing Permafrost to Laptev Sea (Arctic Ocean) Sediments During the Last Deglaciation. , 2021, , .		0
58	Burial and Origin of Permafrost Derived Carbon in the Nearshore Zone of the Southern Canadian Beaufort Sea. , 2019, , .		0