

Verena B Heuer

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,629
citations

394421

19
h-index

377865

34
g-index

40
all docs

40
docs citations

40
times ranked

1932
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring deep microbial life in coal-bearing sediment down to ~2.5 km below the ocean floor. <i>Science</i> , 2015, 349, 420-424.	12.6	376
2	The stable carbon isotope biogeochemistry of acetate and other dissolved carbon species in deep subseafloor sediments at the northern Cascadia Margin. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3323-3336.	3.9	161
3	Unraveling signatures of biogeochemical processes and the depositional setting in the molecular composition of pore water DOM across different marine environments. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 207, 57-80.	3.9	103
4	Online $\delta^{13}\text{C}$ analysis of volatile fatty acids in sediment/porewater systems by liquid chromatography-isotope ratio mass spectrometry. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 346-357.	2.0	92
5	Acetogenesis in Deep Subseafloor Sediments of The Juan de Fuca Ridge Flank: A Synthesis of Geochemical, Thermodynamic, and Gene-based Evidence. <i>Geomicrobiology Journal</i> , 2010, 27, 183-211.	2.0	89
6	Carbon flow from volcanic CO ₂ into soil microbial communities of a wetland mofette. <i>ISME Journal</i> , 2015, 9, 746-759.	9.8	77
7	Relative importance of methylotrophic methanogenesis in sediments of the Western Mediterranean Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 224, 171-186.	3.9	71
8	Temperature limits to deep subseafloor life in the Nankai Trough subduction zone. <i>Science</i> , 2020, 370, 1230-1234.	12.6	65
9	Experimental studies on the stable carbon isotope biogeochemistry of acetate in lake sediments. <i>Organic Geochemistry</i> , 2010, 41, 22-30.	1.8	60
10	Towards constraining H ₂ concentration in subseafloor sediment: A proposal for combined analysis by two distinct approaches. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 186-201.	3.9	58
11	Origin and fate of acetate in an acidic fen. <i>FEMS Microbiology Ecology</i> , 2012, 81, 339-354.	2.7	38
12	Impacts of redox conditions on dissolved organic matter (DOM) quality in marine sediments off the River Rhône, Western Mediterranean Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 276, 151-169.	3.9	38
13	The biogeochemistry of sorbed methane in marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6033-6048.	3.9	37
14	Naturally occurring, microbially induced smectite-to-illite reaction. <i>Geology</i> , 2019, 47, 535-539.	4.4	37
15	Distribution and isotopic composition of trimethylamine, dimethylsulfide and dimethylsulfoniopropionate in marine sediments. <i>Marine Chemistry</i> , 2017, 196, 35-46.	2.3	35
16	Dissolved organic matter compositions in 0.6–3.4 km deep fracture waters, Kaapvaal Craton, South Africa. <i>Organic Geochemistry</i> , 2018, 118, 116-131.	1.8	33
17	Gas chromatographic analysis of methanol and ethanol in marine sediment pore waters: Validation and implementation of three pretreatment techniques. <i>Marine Chemistry</i> , 2014, 160, 82-90.	2.3	32
18	Possible roles of uncultured archaea in carbon cycling in methane-seep sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 164, 35-52.	3.9	31

#	ARTICLE	IF	CITATIONS
19	Organic matter mineralization in modern and ancient ferruginous sediments. <i>Nature Communications</i> , 2021, 12, 2216.	12.8	25
20	Real-time drilling mud gas monitoring for qualitative evaluation of hydrocarbon gas composition during deep sea drilling in the Nankai Trough Kumano Basin. <i>Geochemical Transactions</i> , 2014, 15, 15.	0.7	21
21	Rapid metabolism fosters microbial survival in the deep, hot subseafloor biosphere. <i>Nature Communications</i> , 2022, 13, 312.	12.8	21
22	Towards multiproxy, ultra-high resolution molecular stratigraphy: Enabling laser-induced mass spectrometry imaging of diverse molecular biomarkers in sediments. <i>Organic Geochemistry</i> , 2019, 127, 136-145.	1.8	17
23	Gas hydrate transect across Northern Cascadia Margin. <i>Eos</i> , 2006, 87, 325.	0.1	14
24	Microbial conversion of inorganic carbon to dimethyl sulfide in anoxic lake sediment (PluÃsee,) Tj ETQq0 0 0 rgBT /Qverlock 10 Tf 50 5	3.3	12
25	Assessing the carbon assimilation and production of benthic archaeal lipid biomarkers using lipid-RIP. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 265, 431-442.	3.9	11
26	High FluidâPressure Patches Beneath the DÃcollement: A Potential Source of Slow Earthquakes in the Nankai Trough off Cape Muroto. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021831.	3.4	11
27	Evolution of (Bioâ)Geochemical Processes and Diagenetic Alteration of Sediments Along the Tectonic Migration of Ocean Floor in the Shikoku Basin off Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009585.	2.5	11
28	A New Method for Quality Control of Geological Cores by X-Ray Computed Tomography: Application in IODP Expedition 370. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	10
29	The Limits of Life and the Biosphere in Earthâs Interior. <i>Oceanography</i> , 2019, 32, 208-211.	1.0	10
30	Structural elucidation and environmental distributions of butanetriol and pentanetriol dialkyl glycerol tetraethers (BDGTs and PDGTs). <i>Biogeosciences</i> , 2020, 17, 317-330.	3.3	9
31	Hot fluids, burial metamorphism and thermal histories in the underthrust sediments at IODP 370 site C0023, Nankai Accretionary Complex. <i>Marine and Petroleum Geology</i> , 2020, 112, 104080.	3.3	8
32	Stable carbon isotopic compositions of archaeal lipids constrain terrestrial, planktonic, and benthic sources in marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 307, 319-337.	3.9	6
33	In-situ mechanical weakness of subducting sediments beneath a plate boundary dÃcollement in the Nankai Trough. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	5
34	Coupling of dissolved organic carbon, sulfur and iron cycling in Black Sea sediments over the Holocene and the late Pleistocene: Insights from an empirical dynamic model. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 307, 302-318.	3.9	2
35	Developing community-based scientific priorities and new drilling proposals in the southern Indian and southwestern Pacific oceans. <i>Scientific Drilling</i> , 0, 24, 61-70.	0.6	2