

# Gerhard Bohrmann

## List of Publications by Year in descending order

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184  
papers

10,242  
citations

30070

54  
h-index

43889

91  
g-index

208  
all docs

208  
docs citations

208  
times ranked

5724  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution of Southern Ocean surface-water stratification to low atmospheric CO <sub>2</sub> concentrations during the last glacial period. <i>Nature</i> , 1997, 389, 929-935.	27.8	547
2	Gas hydrate destabilization: enhanced dewatering, benthic material turnover and large methane plumes at the Cascadia convergent margin. <i>Earth and Planetary Science Letters</i> , 1999, 170, 1-15.	4.4	386
3	Authigenic carbonates from the Cascadia subduction zone and their relation to gas hydrate stability. <i>Geology</i> , 1998, 26, 647.	4.4	376
4	Barite fronts in continental margin sediments: a new look at barium remobilization in the zone of sulfate reduction and formation of heavy barites in diagenetic fronts. <i>Chemical Geology</i> , 1996, 127, 125-139.	3.3	366
5	Three-dimensional distribution of gas hydrate beneath southern Hydrate Ridge: constraints from ODP Leg 204. <i>Earth and Planetary Science Letters</i> , 2004, 222, 845-862.	4.4	278
6	Gas hydrate growth, methane transport, and chloride enrichment at the southern summit of Hydrate Ridge, Cascadia margin off Oregon. <i>Earth and Planetary Science Letters</i> , 2004, 226, 225-241.	4.4	264
7	Jiulong methane reef: Microbial mediation of seep carbonates in the South China Sea. <i>Marine Geology</i> , 2008, 249, 243-256.	2.1	196
8	U/Th systematics and ages of authigenic carbonates from Hydrate Ridge, Cascadia Margin: recorders of fluid flow variations. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 3845-3857.	3.9	174
9	Chemoherms on Hydrate Ridge – Unique microbially-mediated carbonate build-ups growing into the water column. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 227, 67-85.	2.3	154
10	Massive barite deposits and carbonate mineralization in the Derugin Basin, Sea of Okhotsk: precipitation processes at cold seep sites. <i>Earth and Planetary Science Letters</i> , 2002, 203, 165-180.	4.4	150
11	Quantifying fluid flow, solute mixing, and biogeochemical turnover at cold vents of the eastern Aleutian subduction zone. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 5209-5219.	3.9	143
12	Formation of modern and Paleozoic stratiform barite at cold methane seeps on continental margins. <i>Geology</i> , 2003, 31, 897.	4.4	135
13	Asphalt Volcanism and Chemosynthetic Life in the Campeche Knolls, Gulf of Mexico. <i>Science</i> , 2004, 304, 999-1002.	12.6	135
14	Similar glacial and interglacial export bioproductivity in the Atlantic Sector of the Southern Ocean: Multiproxy evidence and implications for glacial atmospheric CO <sub>2</sub> . <i>Paleoceanography</i> , 2000, 15, 642-658.	3.0	129
15	Rare earth elements in authigenic methane-seep carbonates as tracers for fluid composition during early diagenesis. <i>Chemical Geology</i> , 2010, 277, 126-136.	3.3	129
16	Fluid venting in the eastern Aleutian Subduction Zone. <i>Journal of Geophysical Research</i> , 1998, 103, 2597-2614.	3.3	123
17	Oxygen isotopes of marine diatoms and relations to opal-A maturation. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 201-211.	3.9	118
18	Mud volcanoes and gas hydrates in the Black Sea: new data from Dvurechenskii and Odessa mud volcanoes. <i>Geo-Marine Letters</i> , 2003, 23, 239-249.	1.1	118

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19	Barium accumulation in the Atlantic sector of the Southern Ocean: Results From 190,000-year records. <i>Paleoceanography</i> , 1997, 12, 594-603.	3.0	117
20	Temporal and spatial evolution of a gas hydrate-bearing accretionary ridge on the Oregon continental margin. <i>Geology</i> , 1999, 27, 939.	4.4	111
21	Authigenic carbonates from methane seeps of the northern Congo fan: Microbial formation mechanism. <i>Marine and Petroleum Geology</i> , 2010, 27, 748-756.	3.3	108
22	Quantification of gas bubble emissions from submarine hydrocarbon seeps at the Makran continental margin (offshore Pakistan). <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	108
23	Subduction zone earthquake as potential trigger of submarine hydrocarbon seepage. <i>Nature Geoscience</i> , 2013, 6, 647-651.	12.9	105
24	Molecular and isotopic partitioning of low-molecular-weight hydrocarbons during migration and gas hydrate precipitation in deposits of a high-flux seepage site. <i>Chemical Geology</i> , 2010, 269, 350-363.	3.3	102
25	Hydroacoustic methodology for detection, localization, and quantification of gas bubbles rising from the seafloor at gas seeps from the eastern Black Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	101
26	The effect of dissolved barium on biogeochemical processes at cold seeps. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 1735-1748.	3.9	100
27	Patterns of carbonate authigenesis at the Kouilou pockmarks on the Congo deep-sea fan. <i>Marine Geology</i> , 2010, 268, 129-136.	2.1	100
28	Gas Hydrate-Associated Carbonates and Methane-Venting at Hydrate Ridge: Classification, Distribution, and Origin of Authigenic Lithologies. <i>Geophysical Monograph Series</i> , 0, , 99-113.	0.1	100
29	Widespread methane seepage along the continental margin off Svalbard - from Bjørnøya to Kongsfjorden. <i>Scientific Reports</i> , 2017, 7, 42997.	3.3	100
30	Authigenic barites and fluxes of barium associated with fluid seeps in the Peru subduction zone. <i>Earth and Planetary Science Letters</i> , 1996, 144, 469-481.	4.4	97
31	Gas hydrate dissociation off Svalbard induced by isostatic rebound rather than global warming. <i>Nature Communications</i> , 2018, 9, 83.	12.8	97
32	Pockmarks in the Northern Congo Fan area, SW Africa: Complex seafloor features shaped by fluid flow. <i>Marine Geology</i> , 2008, 249, 206-225.	2.1	95
33	Vodyanitskii mud volcano, Sorokin trough, Black Sea: Geological characterization and quantification of gas bubble streams. <i>Marine and Petroleum Geology</i> , 2009, 26, 1799-1811.	3.3	93
34	Methane discharge into the Black Sea and the global ocean via fluid flow through submarine mud volcanoes. <i>Earth and Planetary Science Letters</i> , 2006, 248, 545-560.	4.4	92
35	Geological control and magnitude of methane ebullition from a high-flux seep area in the Black Sea—the Kerch seep area. <i>Marine Geology</i> , 2012, 319-322, 57-74.	2.1	92
36	Widespread fluid expulsion along the seafloor of the Costa Rica convergent margin. <i>Terra Nova</i> , 2002, 14, 69-79.	2.1	91

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37	Pockmark formation and evolution in deep water Nigeria: Rapid hydrate growth versus slow hydrate dissolution. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 2679-2694.	3.4	91
38	Stromatolitic fabric of authigenic carbonate crusts: result of anaerobic methane oxidation at cold seeps in 4,850m water depth. <i>International Journal of Earth Sciences</i> , 2002, 91, 698-711.	1.8	87
39	Interaction between hydrocarbon seepage, chemosynthetic communities, and bottom water redox at cold seeps of the Makran accretionary prism: insights from habitat-specific pore water sampling and modeling. <i>Biogeosciences</i> , 2012, 9, 2013-2031.	3.3	87
40	Acoustic investigation of cold seeps offshore Georgia, eastern Black Sea. <i>Marine Geology</i> , 2006, 231, 51-67.	2.1	84
41	Formation of seep carbonates along the Makran convergent margin, northern Arabian Sea and a molecular and isotopic approach to constrain the carbon isotopic composition of parent methane. <i>Chemical Geology</i> , 2015, 415, 102-117.	3.3	84
42	Short-chain alkanes fuel mussel and sponge <i>Cycloclasticus</i> symbionts from deep-sea gas and oil seeps. <i>Nature Microbiology</i> , 2017, 2, 17093.	13.3	80
43	Pure siliceous ooze, a diagenetic environment for early chert formation. <i>Geology</i> , 1994, 22, 207.	4.4	78
44	Rare earth element geochemistry in cold-seep pore waters of Hydrate Ridge, northeast Pacific Ocean. <i>Geo-Marine Letters</i> , 2013, 33, 369-379.	1.1	77
45	Development and application of pressure-core-sampling systems for the investigation of gas- and gas-hydrate-bearing sediments. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2008, 55, 1590-1599.	1.4	75
46	Gas emissions at the continental margin west of Svalbard: mapping, sampling, and quantification. <i>Biogeosciences</i> , 2014, 11, 6029-6046.	3.3	73
47	Active tectonics of the Calabrian subduction revealed by new multi-beam bathymetric data and high-resolution seismic profiles in the Ionian Sea (Central Mediterranean). <i>Earth and Planetary Science Letters</i> , 2017, 461, 61-72.	4.4	73
48	Clathrites: Archives of near-seafloor pore-fluid evolution ( $\delta^{44}\text{Ca}$ , $\delta^{13}\text{C}$ , $\delta^{18}\text{O}$ ) in gas hydrate environments. <i>Geology</i> , 2005, 33, 213.	4.4	69
49	Fluid sources, fluid pathways and diagenetic reactions across an accretionary prism revealed by Sr and B geochemistry. <i>Earth and Planetary Science Letters</i> , 2005, 239, 106-121.	4.4	68
50	Fluid expulsion from the Dvurechenskii mud volcano (Black Sea) Part I. Fluid sources and relevance to Li, B, Sr, I and dissolved inorganic nitrogen cycles. <i>Earth and Planetary Science Letters</i> , 2004, 225, 347-363.	4.4	66
51	Sea Floor Methane Hydrates at Hydrate Ridge, Cascadia Margin. <i>Geophysical Monograph Series</i> , 2013, , 87-98.	0.1	65
52	Methane fluxes and carbonate deposits at a cold seep area of the Central Nile Deep Sea Fan, Eastern Mediterranean Sea. <i>Marine Geology</i> , 2014, 347, 27-42.	2.1	65
53	Acoustic investigations of mud volcanoes in the Sorokin Trough, Black Sea. <i>Geo-Marine Letters</i> , 2003, 23, 230-238.	1.1	63
54	Anaerobic Degradation of Non-Methane Alkanes by <i>Candidatus Methanoliparia</i> in Hydrocarbon Seeps of the Gulf of Mexico. <i>MBio</i> , 2019, 10, .	4.1	63

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55	U/Th dating of cold-seep carbonates: An initial comparison. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 2055-2060.	1.4	61
56	Oxygen isotopes in marine diatoms: A comparative study of analytical techniques and new results on the isotope composition of recent marine diatoms. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 2275-2280.	3.9	60
57	Natural oil seepage at Kobuleti Ridge, eastern Black Sea. <i>Marine and Petroleum Geology</i> , 2014, 50, 68-82.	3.3	60
58	A 160,000-year-old history of tectonically controlled methane seepage in the Arctic. <i>Science Advances</i> , 2019, 5, eaaw1450.	10.3	60
59	Hydrocarbon gases in deposits from mud volcanoes in the Sorokin Trough, north-eastern Black Sea. <i>Geo-Marine Letters</i> , 2003, 23, 250-257.	1.1	58
60	Biogeochemistry of a low-activity cold seep in the Larsen B area, western Weddell Sea, Antarctica. <i>Biogeosciences</i> , 2009, 6, 2383-2395.	3.3	58
61	Gas hydrates in shallow deposits of the Amsterdam mud volcano, Anaximander Mountains, Northeastern Mediterranean Sea. <i>Geo-Marine Letters</i> , 2010, 30, 187-206.	1.1	56
62	Microstructures of structure I and II gas hydrates from the Gulf of Mexico. <i>Marine and Petroleum Geology</i> , 2010, 27, 116-125.	3.3	56
63	Flammable Ice. <i>Scientific American</i> , 1999, 281, 76-83.	1.0	55
64	Mixed gas hydrate structures at the Chapopote Knoll, southern Gulf of Mexico. <i>Earth and Planetary Science Letters</i> , 2010, 299, 207-217.	4.4	54
65	Complex plumbing systems in the near subsurface: Geometries of authigenic carbonates from Dolgovskoy Mound (Black Sea) constrained by analogue experiments. <i>Marine and Petroleum Geology</i> , 2008, 25, 457-472.	3.3	53
66	Biogeochemical controls on authigenic carbonate formation at the Chapopote "asphalt volcano", Bay of Campeche. <i>Chemical Geology</i> , 2009, 266, 390-402.	3.3	52
67	Gas hydrate distributions in sediments of pockmarks from the Nigerian margin " Results and interpretation from shallow drilling. <i>Marine and Petroleum Geology</i> , 2015, 59, 359-370.	3.3	52
68	Hydrocarbon seepage and its sources at mud volcanoes of the Kumano forearc basin, Nankai Trough subduction zone. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2180-2194.	2.5	51
69	Origin, distribution, and alteration of asphalts at Chapopote Knoll, Southern Gulf of Mexico. <i>Marine and Petroleum Geology</i> , 2010, 27, 1093-1106.	3.3	50
70	High-intensity gas seepage causes rafting of shallow gas hydrates in the southeastern Black Sea. <i>Earth and Planetary Science Letters</i> , 2011, 307, 35-46.	4.4	50
71	Fluid flow regimes and growth of a giant pockmark. <i>Geology</i> , 2014, 42, 63-66.	4.4	50
72	Appearance and preservation of natural gas hydrate from Hydrate Ridge sampled during ODP Leg 204 drilling. <i>Marine Geology</i> , 2007, 244, 1-14.	2.1	48

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73	The silicon isotope record of early silica diagenesis. <i>Earth and Planetary Science Letters</i> , 2015, 428, 293-303.	4.4	48
74	Fabric of gas hydrate in sediments from Hydrate Ridge—results from ODP Leg 204 samples. <i>Geo-Marine Letters</i> , 2007, 27, 269-277.	1.1	47
75	Natural gas hydrate investigations by synchrotron radiation X-ray cryo-tomographic microscopy (SRXCTM). <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	46
76	Gas Hydrates in Marine Sediments. , 2006, , 481-512.		44
77	Mineralization of vestimentiferan tubes at methane seeps on the Congo deep-sea fan. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 283-293.	1.4	43
78	Corrosion patterns of seep carbonates from the eastern Mediterranean Sea. <i>Terra Nova</i> , 2011, 23, 206-212.	2.1	43
79	Methane-derived authigenic carbonates associated with gas hydrate decomposition and fluid venting above the Blake Ridge Diapir. , 0, , .		43
80	Authigenic carbonate precipitates from the NE Black Sea: a mineralogical, geochemical, and lipid biomarker study. <i>International Journal of Earth Sciences</i> , 2009, 98, 677-695.	1.8	42
81	Assessing marine gas emission activity and contribution to the atmospheric methane inventory: A multidisciplinary approach from the Dutch Dogger Bank seep area (North Sea). <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2617-2633.	2.5	42
82	Evidence for the submarine weathering of silicate minerals in Black Sea sediments: Possible implications for the marine Li and B cycles. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	2.5	41
83	Petroleum degradation and associated microbial signatures at the Chapopote asphalt volcano, Southern Gulf of Mexico. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4377-4398.	3.9	41
84	First evidence of widespread active methane seepage in the Southern Ocean, off the sub-Antarctic island of South Georgia. <i>Earth and Planetary Science Letters</i> , 2014, 403, 166-177.	4.4	40
85	Massive asphalt deposits, oil seepage, and gas venting support abundant chemosynthetic communities at the Campeche Knolls, southern Gulf of Mexico. <i>Biogeosciences</i> , 2016, 13, 4491-4512.	3.3	40
86	Quantum rotations in natural methane-clathrates from the Pacific sea-floor. <i>Europhysics Letters</i> , 1999, 48, 269-275.	2.0	38
87	In situ hydrocarbon concentrations from pressurized cores in surface sediments, Northern Gulf of Mexico. <i>Marine Chemistry</i> , 2007, 107, 498-515.	2.3	38
88	Low-temperature opal-CT precipitation in Antarctic deep-sea sediments: evidence from oxygen isotopes. <i>Earth and Planetary Science Letters</i> , 1991, 107, 612-617.	4.4	37
89	Rare earth elements of seep carbonates: Indication for redox variations and microbiological processes at modern seep sites. <i>Journal of Asian Earth Sciences</i> , 2013, 65, 27-33.	2.3	36
90	Oil seepage and carbonate formation: A case study from the southern Gulf of Mexico. <i>Sedimentology</i> , 2019, 66, 2318-2353.	3.1	36

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91	Establishing criteria to distinguish oil-seep from methane-seep carbonates. <i>Geology</i> , 2016, 44, 667-670.	4.4	35
92	Hot vents in an ice-cold ocean: Indications for phase separation at the southernmost area of hydrothermal activity, Bransfield Strait, Antarctica. <i>Earth and Planetary Science Letters</i> , 2001, 193, 381-394.	4.4	34
93	Distribution and temporal variation of megafauna at the northern Bering Sea pockmark (Northwestern Congo Fan), based on a comparison of videomosaics and geographic information systems analyses. <i>Marine Ecology</i> , 2014, 35, 77-95.	1.1	34
94	Miocene to Quaternary Paleooceanography in the Northern North Atlantic: Variability in Carbonate and Biogenic Opal Accumulation. , 1990, , 647-675.		34
95	Megafaunal distribution and assessment of total methane and sulfide consumption by mussel beds at Menez Gwen hydrothermal vent, based on geo-referenced photomosaics. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 75, 93-109.	1.4	33
96	Stromatolites below the photic zone in the northern Arabian Sea formed by calcifying chemotrophic microbial mats. <i>Geology</i> , 2018, 46, 339-342.	4.4	33
97	The effect of meter-scale lateral oxygen gradients at the sediment-water interface on selected organic matter based alteration, productivity and temperature proxies. <i>Biogeosciences</i> , 2012, 9, 1553-1570.	3.3	32
98	Major advance of South Georgia glaciers during the Antarctic Cold Reversal following extensive sub-Antarctic glaciation. <i>Nature Communications</i> , 2017, 8, 14798.	12.8	32
99	Hydrothermal activity at Hook Ridge in the Central Bransfield Basin, Antarctica. <i>Geo-Marine Letters</i> , 1998, 18, 277-284.	1.1	31
100	Seafloor sealing, doming, and collapse associated with gas seeps and authigenic carbonate structures at Venere mud volcano, Central Mediterranean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 137, 76-96.	1.4	31
101	A conceptual model for hydrocarbon accumulation and seepage processes around Chapopote asphalt site, southern Gulf of Mexico: From high resolution seismic point of view. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	30
102	Automatic Estimation of Oil Seep Locations in Synthetic Aperture Radar Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 4218-4230.	6.3	30
103	Distribution and abundance of gas hydrates in near-surface deposits of the Håkon Mosby Mud Volcano, SW Barents Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	29
104	Microstructure characteristics during hydrate formation and dissociation revealed by X-ray tomographic microscopy. <i>Geo-Marine Letters</i> , 2012, 32, 555-562.	1.1	29
105	Amount and Fate of Gas and Oil Discharged at 3400 m Water Depth From a Natural Seep Site in the Southern Gulf of Mexico. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	29
106	Iron and sulfate reduction structure microbial communities in (sub-)Antarctic sediments. <i>ISME Journal</i> , 2021, 15, 3587-3604.	9.8	29
107	Mapping deep-water gas emissions with sidescan sonar. <i>Eos</i> , 2005, 86, 341.	0.1	28
108	Authigenic carbonates from the eastern Black Sea as an archive for shallow gas hydrate dynamics – Results from the combination of CT imaging with mineralogical and stable isotope analyses. <i>Marine and Petroleum Geology</i> , 2010, 27, 1819-1829.	3.3	27



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109	Bathymetry and geological setting of the South Sandwich Islands volcanic arc. <i>Antarctic Science</i> , 2016, 28, 293-303.	0.9	27
110	The thermal structure of the Dvurechenskii mud volcano and its implications for gas hydrate stability and eruption dynamics. <i>Marine and Petroleum Geology</i> , 2009, 26, 1812-1823.	3.3	25
111	Physical properties and core-log seismic integration from drilling at the Danube deep-sea fan, Black Sea. <i>Marine and Petroleum Geology</i> , 2020, 114, 104192.	3.3	25
112	Deformation and submarine landsliding caused by seamount subduction beneath the Costa Rica continental margin – new insights from high-resolution sidescan sonar data. <i>Geological Society Special Publication</i> , 2005, 244, 195-205.	1.3	24
113	Grain size measurements of natural gas hydrates. <i>Marine Geology</i> , 2010, 274, 85-94.	2.1	24
114	Carbon cycling fed by methane seepage at the shallow Cumberland Bay, South Georgia, sub-Antarctic. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1401-1418.	2.5	23
115	Interaction between accretionary thrust faulting and slope sedimentation at the frontal Makran accretionary prism and its implications for hydrocarbon fluid seepage. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	22
116	Shallow sediment deformation styles in north-western Campeche Knolls, Gulf of Mexico and their controls on the occurrence of hydrocarbon seepage. <i>Marine and Petroleum Geology</i> , 2010, 27, 959-972.	3.3	21
117	Quantifying in-situ gas hydrates at active seep sites in the eastern Black Sea using pressure coring technique. <i>Biogeosciences</i> , 2011, 8, 3555-3565.	3.3	21
118	A young porcellanite occurrence from the Southwest Indian Ridge. <i>Marine Geology</i> , 1990, 92, 155-163.	2.1	20
119	Origin and Transformation of Light Hydrocarbons Ascending at an Active Pockmark on Vestnesa Ridge, Arctic Ocean. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2018JB016679.	3.4	20
120	Chapopote Asphalt Volcano may have been generated by supercritical water. <i>Eos</i> , 2005, 86, 397.	0.1	19
121	Automated gas bubble imaging at sea floor – a new method of in situ gas flux quantification. <i>Ocean Science</i> , 2010, 6, 549-562.	3.4	19
122	Focused hydrocarbon migration in shallow sediments of a pockmark cluster in the Niger Delta (Off Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.5	19
123	In Situ Temperature Measurements at the Svalbard Continental Margin: Implications for Gas Hydrate Dynamics. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1165-1177.	2.5	18
124	Mud extrusion and ring-fault gas seepage – upward branching fluid discharge at a deep-sea mud volcano. <i>Scientific Reports</i> , 2018, 8, 6275.	3.3	18
125	Authigenic zeolites and their relation to silica diagenesis in ODP Site 661 sediments (Leg 108, Eastern) Tj ETQq1 1 0.784314 rgBT /Over	1.3	17
126	Seep-carbonate lamination controlled by cyclic particle flux. <i>Scientific Reports</i> , 2016, 6, 37439.	3.3	17



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127	Reflector "a prominent feature in the Maud Rise sediment sequence (eastern Weddell Sea): Occurrence, regional distribution and implications to silica diagenesis. <i>Marine Geology</i> , 1992, 106, 69-87.	2.1	16
128	Leg 204 synthesis: gas hydrate distribution and dynamics in the central Cascadia accretionary complex. , 0, , .		16
129	Design and deployment of autoclave pressure vessels for the portable deep-sea drill rig MeBo (&lt;i&gt;Meeresboden-Bohrer&lt;i&gt;). <i>Scientific Drilling</i> , 0, 23, 29-37.	0.6	15
130	Oxygen isotopic composition of low-temperature authigenic clinoptilolite. <i>Earth and Planetary Science Letters</i> , 1998, 160, 369-381.	4.4	14
131	Authigenic Carbonate and Barite Mineralization in Sediments of the Deryugin Basin (Sea of Okhotsk). <i>Lithology and Mineral Resources</i> , 2000, 35, 504-508.	0.6	14
132	Formation pathways of light hydrocarbons in deep sediments of the Danube deep-sea fan, Western Black Sea. <i>Marine and Petroleum Geology</i> , 2020, 122, 104627.	3.3	14
133	Trace element distribution in methane-seep carbonates: The role of mineralogy and dissolved sulfide. <i>Chemical Geology</i> , 2021, 580, 120357.	3.3	14
134	Clumped methane isotopologue-based temperature estimates for sources of methane in marine gas hydrates and associated vent gases. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 327, 276-297.	3.9	14
135	Barium-rich authigenic clinoptilolite in sediments from the Japan Sea" a sink for dissolved barium?. <i>Chemical Geology</i> , 1999, 158, 227-244.	3.3	13
136	Title is missing!. <i>Earth and Planetary Science Letters</i> , 2004, 225, 347-363.	4.4	13
137	Three-dimensional seismic investigations of the Sevastopol mud volcano in correlation to gas/fluid migration pathways and indications for gas hydrate occurrences in the Sorokin Trough (Black Sea). <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	13
138	Methane gas emissions of the Black Sea" mapping from the Crimean continental margin to the Kerch Peninsula slope. <i>Geo-Marine Letters</i> , 2020, 40, 467-480.	1.1	13
139	New insights into geology and geochemistry of the Kerch seep area in the Black Sea. <i>Marine and Petroleum Geology</i> , 2020, 113, 104162.	3.3	13
140	Reply to comment on: "Gas hydrate growth, methane transport and chloride enrichment at the southern summit of Hydrate Ridge, Cascadia Margin off Oregon". <i>Earth and Planetary Science Letters</i> , 2005, 239, 168-175.	4.4	12
141	Mud Volcanism in a Canyon: Morphodynamic Evolution of the Active Venere Mud Volcano and Its Interplay With Squillace Canyon, Central Mediterranean. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 356-378.	2.5	12
142	Methane Seeps and Independent Methane Plumes in the South China Sea Offshore Taiwan. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	12
143	In-situ borehole temperature measurements confirm dynamics of the gas hydrate stability zone at the upper Danube deep sea fan, Black Sea. <i>Earth and Planetary Science Letters</i> , 2021, 563, 116869.	4.4	12
144	Electron Acceptor Availability Shapes Anaerobically Methane Oxidizing Archaea (ANME) Communities in South Georgia Sediments. <i>Frontiers in Microbiology</i> , 2021, 12, 617280.	3.5	11

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