Gerhard Bohrmann

List of Publications by Year in Descending Order

185 papers	8,214 citations	52 h-index	84 g-index
208 ext. papers	9,165 ext. citations	4.7 avg, IF	5.64 L-index

#	Paper	IF	Citations
185	Shallow Gas Hydrates Associated to Pockmarks in the Northern Congo Deep-Sea Fan, SW Africa **2022**, 359-371		0
184	Megabenthos habitats influenced by nearby hydrothermal activity on the Sandwich Plate, Southern Ocean. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2022**, 105075	2.3	1
183	Molecular and isotopic signatures of oil-driven bacterial sulfate reduction at seeps in the southern Gulf of Mexico. *Chemical Geology*, **2022**, 595, 120797	4.2	0
182	Sulfur formation associated with coexisting sulfide minerals in the Kemp Caldera hydrothermal system, Scotia Sea. *Chemical Geology*, **2022**, 120927	4.2	
181	Increased petrogenic and biospheric organic carbon burial in sub-Antarctic fjord sediments in response to recent glacier retreat. *Limnology and Oceanography*, **2021**, 66, 4347	4.8	2
180	Electron Acceptor Availability Shapes Anaerobically Methane Oxidizing Archaea (ANME) Communities in South Georgia Sediments. *Frontiers in Microbiology*, **2021**, 12, 617280	5.7	3
179	Interactions between deep formation fluid and gas hydrate dynamics inferred from pore fluid geochemistry at active pockmarks of the Vestnesa Ridge, west Svalbard margin. *Marine and Petroleum Geology*, **2021**, 127, 104957	4.7	1
178	In-situ borehole temperature measurements confirm dynamics of the gas hydrate stability zone at the upper Danube deep sea fan, Black Sea. *Earth and Planetary Science Letters*, **2021**, 563, 116869	5.3	4
177	Iron and sulfate reduction structure microbial communities in (sub-)Antarctic sediments. *ISME Journal*, **2021**, 15, 3587-3604	11.9	8
176	Heat Flow Measurements at the Danube Deep-Sea Fan, Western Black Sea. *Geosciences (Switzerland)*, **2021**, 11, 240	2.7	1
175	Oil and gas seepage offshore Georgia (Black Sea) Geochemical evidences for a paleogene-neogene hydrocarbon source rock. *Marine and Petroleum Geology*, **2021**, 128, 104995	4.7	3
174	Controls on Gas Emission Distribution on the Continental Slope of the Western Black Sea. *Frontiers in Earth Science*, **2021**, 8,	3.5	3
173	Variability of Natural Methane Bubble Release at Southern Hydrate Ridge. *Geochemistry, Geophysics, Geosystems*, **2021**, 22, e2021GC009894	3.6	2
172	Trace element distribution in methane-seep carbonates: The role of mineralogy and dissolved sulfide. *Chemical Geology*, **2021**, 580, 120357	4.2	4
171	Heterogeneous hydrocarbon seepage at Mictlan asphalt knoll of the southern Gulf of Mexico. *Marine and Petroleum Geology*, **2021**, 132, 105185	4.7	3
170	Thermal Characterization of Pockmarks Across Vestnesa and Svyatogor Ridges, Offshore Svalbard. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2020JB019468	3.6	0
169	Benthic Deep-Sea Life Associated with Asphaltic Hydrocarbon Emissions in the Southern Gulf of Mexico. *Springer Oceanography*, **2020**, 101-123	0.5	0

168	Origin and Transformation of Light Hydrocarbons Ascending at an Active Pockmark on Vestnesa Ridge, Arctic Ocean. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2018JB016679	3.6	12
167	Physical properties and core-log seismic integration from drilling at the Danube deep-sea fan, Black Sea. *Marine and Petroleum Geology*, **2020**, 114, 104192	4.7	19
166	Methane gas emissions of the Black Sea□happing from the Crimean continental margin to the Kerch Peninsula slope. *Geo-Marine Letters*, **2020**, 40, 467-480	1.9	9
165	New insights into geology and geochemistry of the Kerch seep area in the Black Sea. *Marine and Petroleum Geology*, **2020**, 113, 104162	4.7	10
164	Methane Seeps and Independent Methane Plumes in the South China Sea Offshore Taiwan. *Frontiers in Marine Science*, **2020**, 7,	4.5	3
163	Formation pathways of light hydrocarbons in deep sediments of the Danube deep-sea fan, Western Black Sea. *Marine and Petroleum Geology*, **2020**, 122, 104627	4.7	8
162	Shallow Gas Hydrate Accumulations at a Nigerian Deepwater Pockmark□Quantities and Dynamics. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2019JB018283	3.6	2
161	A 160,000-year-old history of tectonically controlled methane seepage in the Arctic. *Science Advances*, **2019**, 5, eaaw1450	14.3	32
160	Formation of tubular carbonate conduits at Athina mud volcano, eastern Mediterranean Sea. *Marine and Petroleum Geology*, **2019**, 107, 20-31	4.7	6
159	Oil seepage and carbonate formation: A case study from the southern Gulf of Mexico. *Sedimentology*, **2019**, 66, 2318-2353	3.3	21
158	Anaerobic Degradation of Non-Methane Alkanes by " Methanoliparia" in Hydrocarbon Seeps of the Gulf of Mexico. *MBio*, **2019**, 10,	7.8	31
157	Deep-Sourced Fluids From a Convergent Margin Host Distinct Subseafloor Microbial Communities That Change Upon Mud Flow Expulsion. *Frontiers in Microbiology*, **2019**, 10, 1436	5.7	4
156	Characteristics and hydrocarbon seepage at the Challenger Knoll in the Sigsbee Basin, Gulf of Mexico. *Geo-Marine Letters*, **2019**, 39, 391-399	1.9	2
155	Eualus amandae (Decapoda: Caridea: Thoridae) is an indicator of active venting sites in the Southern Ocean. *Marine Biodiversity*, **2019**, 49, 2937-2942	1.4	
154	Amount and Fate of Gas and Oil Discharged at 3400 m Water Depth From a Natural Seep Site in the Southern Gulf of Mexico. *Frontiers in Marine Science*, **2019**, 6,	4.5	14
153	A Rotary Sonar for Long-Term Acoustic Monitoring of Deep-Sea Gas Emissions **2019**,		4
152	Morphology and activity of the Helgoland Mud Volcano in the Sorokin Trough, northern Black Sea. *Marine and Petroleum Geology*, **2019**, 99, 227-236	4.7	8
151	In Situ Temperature Measurements at the Svalbard Continental Margin: Implications for Gas Hydrate Dynamics. *Geochemistry, Geophysics, Geosystems*, **2018**, 19, 1165-1177	3.6	13

150	Mud Volcanism in a Canyon: Morphodynamic Evolution of the Active Venere Mud Volcano and Its Interplay With Squillace Canyon, Central Mediterranean. *Geochemistry, Geophysics, Geosystems*, **2018**, 19, 356-378	3.6	5
149	Gas hydrate dissociation off Svalbard induced by isostatic rebound rather than global warming. *Nature Communications*, **2018**, 9, 83	17.4	67
148	Seafloor sealing, doming, and collapse associated with gas seeps and authigenic carbonate structures at Venere mud volcano, Central Mediterranean. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2018**, 137, 76-96	2.5	20
147	Can hydrocarbons entrapped in seep carbonates serve as gas geochemistry recorder?. *Geo-Marine Letters*, **2018**, 38, 121-129	1.9	8
146	Mud extrusion and ring-fault gas seepage - upward branching fluid discharge at a deep-sea mud volcano. *Scientific Reports*, **2018**, 8, 6275	4.9	11
145	Slow Volcanoes: The Intriguing Similarities Between Marine Asphalt and Basalt Lavas. *Oceanography*, **2018**, 31,	2.3	9
144	Stromatolites below the photic zone in the northern Arabian Sea formed by calcifying chemotrophic microbial mats. *Geology*, **2018**, 46, 339-342	5	18
143	Application of the automatic seep location estimator (ASLE) with the use of contextual information for estimating offshore oil seeps. *Remote Sensing Applications: Society and Environment*, **2017**, 5, 16-26	2.8	1
142	Focused hydrocarbon-migration in shallow sediments of a pockmark cluster in the Niger Delta (Off Nigeria). *Geochemistry, Geophysics, Geosystems*, **2017**, 18, 93-112	3.6	13
141	Active tectonics of the Calabrian subduction revealed by new multi-beam bathymetric data and high-resolution seismic profiles in the Ionian Sea (Central Mediterranean). *Earth and Planetary Science Letters*, **2017**, 461, 61-72	5.3	50
140	Widespread methane seepage along the continental margin off Svalbard - from Bjørnøya to Kongsfjorden. *Scientific Reports*, **2017**, 7, 42997	4.9	71
139	Short-chain alkanes fuel mussel and sponge Cycloclasticus symbionts from deep-sea gas and oil seeps. *Nature Microbiology*, **2017**, 2, 17093	26.6	55
138	Major advance of South Georgia glaciers during the Antarctic Cold Reversal following extensive sub-Antarctic glaciation. *Nature Communications*, **2017**, 8, 14798	17.4	21
137	Long-term in situ observations at the Athina mud volcano, Eastern Mediterranean: Taking the pulse of mud volcanism. *Tectonophysics*, **2017**, 721, 12-27	3.1	8
136	Assessing marine gas emission activity and contribution to the atmospheric methane inventory: A multidisciplinary approach from the Dutch Dogger Bank seep area (North Sea). *Geochemistry, Geophysics, Geosystems*, **2017**, 18, 2617-2633	3.6	25
135	Design and deployment of autoclave pressure vessels for the portable deep-sea drill rig MeBo (<i>Meeresboden-Bohrger</i>). *Scientific Drilling*, **2017**, 23, 29-37		8
134	Bathymetry and geological setting of the South Sandwich Islands volcanic arc. *Antarctic Science*, **2016**, 28, 293-303	1.7	21
133	Establishing criteria to distinguish oil-seep from methane-seep carbonates. *Geology*, **2016**, 44, 667-670	5	28

132	Seep-carbonate lamination controlled by cyclic particle flux. *Scientific Reports*, **2016**, 6, 37439	4.9	12
131	Massive asphalt deposits, oil seepage, and gas venting support abundant chemosynthetic communities at the Campeche Knolls, southern Gulf of Mexico. *Biogeosciences*, **2016**, 13, 4491-4512	4.6	31
130	Carbon cycling fed by methane seepage at the shallow Cumberland Bay, South Georgia, sub-Antarctic. *Geochemistry, Geophysics, Geosystems*, **2016**, 17, 1401-1418	3.6	19
129	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. *Chemical Geology*, **2015**, 415, 102-117	4.2	64
128	The silicon isotope record of early silica diagenesis. *Earth and Planetary Science Letters*, **2015**, 428, 293-303	5.3	39
127	Gas hydrate distributions in sediments of pockmarks from the Nigerian margin Results and interpretation from shallow drilling. *Marine and Petroleum Geology*, **2015**, 59, 359-370	4.7	42
126	Automatic Estimation of Oil Seep Locations in Synthetic Aperture Radar Images. *IEEE Transactions on Geoscience and Remote Sensing*, **2015**, 53, 4218-4230	8.1	21
125	Methane fluxes and carbonate deposits at a cold seep area of the Central Nile Deep Sea Fan, Eastern Mediterranean Sea. *Marine Geology*, **2014**, 347, 27-42	3.3	52
124	Hydrocarbon seepage and its sources at mud volcanoes of the Kumano forearc basin, Nankai Trough subduction zone. *Geochemistry, Geophysics, Geosystems*, **2014**, 15, 2180-2194	3.6	41
123	First evidence of widespread active methane seepage in the Southern Ocean, off the sub-Antarctic island of South Georgia. *Earth and Planetary Science Letters*, **2014**, 403, 166-177	5.3	34
122	Pockmark formation and evolution in deep water Nigeria: Rapid hydrate growth versus slow hydrate dissolution. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 2679-2694	3.6	63
121	Gas emissions at the continental margin west of Svalbard: mapping, sampling, and quantification. *Biogeosciences*, **2014**, 11, 6029-6046	4.6	56
120	Distribution and temporal variation of mega-fauna at the Regab pockmark (Northern Congo Fan), based on a comparison of videomosaics and geographic information systems analyses. *Marine Ecology*, **2014**, 35, 77-95	1.4	22
119	Natural oil Seep Location Estimation in SAR images using direct and contextual information **2014**,		7
118	Fluid flow regimes and growth of a giant pockmark. *Geology*, **2014**, 42, 63-66	5	44
117	Natural oil seepage at Kobuleti Ridge, eastern Black Sea. *Marine and Petroleum Geology*, **2014**, 50, 68-82	4.7	41
116	Subduction zone earthquake as potential trigger of submarine hydrocarbon seepage. *Nature Geoscience*, **2013**, 6, 647-651	18.3	81
115	Rare earth element geochemistry in cold-seep pore waters of Hydrate Ridge, northeast Pacific Ocean. *Geo-Marine Letters*, **2013**, 33, 369-379	1.9	55

114	Rare earth elements of seep carbonates: Indication for redox variations and microbiological processes at modern seep sites. *Journal of Asian Earth Sciences*, **2013**, 65, 27-33	2.8	31
113	Megafaunal distribution and assessment of total methane and sulfide consumption by mussel beds at Menez Gwen hydrothermal vent, based on geo-referenced photomosaics. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2013**, 75, 93-109	2.5	30
112	Sea Floor Methane Hydrates at Hydrate Ridge, Cascadia Margin. *Geophysical Monograph Series*, **2013**, 87-98	1.1	37
111	Gas Hydrate-Associated Carbonates and Methane-Venting at Hydrate Ridge: Classification, Distribution, and Origin of Authigenic Lithologies. *Geophysical Monograph Series*, **2013**, 99-113	1.1	63
110	An automatic detection system for natural oil seep origin estimation in SAR images **2013**,		6
109	LAPM: a tool for underwater large-area photo-mosaicking. *Geoscientific Instrumentation, Methods and Data Systems*, **2013**, 2, 189-198	1.5	8
108	Microstructure characteristics during hydrate formation and dissociation revealed by X-ray tomographic microscopy. *Geo-Marine Letters*, **2012**, 32, 555-562	1.9	25
107	Geological control and magnitude of methane ebullition from a high-flux seep area in the Black Sea□he Kerch seep area. *Marine Geology*, **2012**, 319-322, 57-74	3.3	76
106	The effect of meter-scale lateral oxygen gradients at the sediment-water interface on selected organic matter based alteration, productivity and temperature proxies. *Biogeosciences*, **2012**, 9, 1553-1570	4.6	25
105	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. *Biogeosciences*, **2012**, 9, 2013-2031	4.6	63
104	Quantification of gas bubble emissions from submarine hydrocarbon seeps at the Makran continental margin (offshore Pakistan). *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		84
103	Distribution and abundance of gas hydrates in near-surface deposits of the H□kon Mosby Mud Volcano, SW Barents Sea. *Geochemistry, Geophysics, Geosystems*, **2011**, 12, n/a-n/a	3.6	22
102	Petroleum degradation and associated microbial signatures at the Chapopote asphalt volcano, Southern Gulf of Mexico. *Geochimica Et Cosmochimica Acta*, **2011**, 75, 4377-4398	5.5	30
101	High-intensity gas seepage causes rafting of shallow gas hydrates in the southeastern Black Sea. *Earth and Planetary Science Letters*, **2011**, 307, 35-46	5.3	41
100	Quantifying in-situ gas hydrates at active seep sites in the eastern Black Sea using pressure coring technique. *Biogeosciences*, **2011**, 8, 3555-3565	4.6	20
99	Corrosion patterns of seep-carbonates from the eastern Mediterranean Sea. *Terra Nova*, **2011**, 23, 206-212	3.2	34
98	Automated gas bubble imaging at sea floor □a new method of in situ gas flux quantification. *Ocean Science*, **2010**, 6, 549-562	4	14
97	Microstructures of structure I and II gas hydrates from the Gulf of Mexico. *Marine and Petroleum Geology*, **2010**, 27, 116-125	4.7	46

96	Authigenic carbonates from methane seeps of the northern Congo fan: Microbial formation mechanism. *Marine and Petroleum Geology*, **2010**, 27, 748-756	4.7	91
95	Origin, distribution, and alteration of asphalts at Chapopote Knoll, Southern Gulf of Mexico. *Marine and Petroleum Geology*, **2010**, 27, 1093-1106	4.7	36
94	Shallow sediment deformation styles in north-western Campeche Knolls, Gulf of Mexico and their controls on the occurrence of hydrocarbon seepage. *Marine and Petroleum Geology*, **2010**, 27, 959-972	4.7	13
93	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. *Marine and Petroleum Geology*, **2010**, 27, 1819-1829	4.7	23
92	U/Th dating of cold-seep carbonates: An initial comparison. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2010**, 57, 2055-2060	2.3	51
91	Mixed gas hydrate structures at the Chapopote Knoll, southern Gulf of Mexico. *Earth and Planetary Science Letters*, **2010**, 299, 207-217	5.3	45
90	Molecular and isotopic partitioning of low-molecular-weight hydrocarbons during migration and gas hydrate precipitation in deposits of a high-flux seepage site. *Chemical Geology*, **2010**, 269, 350-363	4.2	81
89	Rare earth elements in authigenic methane-seep carbonates as tracers for fluid composition during early diagenesis. *Chemical Geology*, **2010**, 277, 126-136	4.2	108
88	Interaction between accretionary thrust faulting and slope sedimentation at the frontal Makran accretionary prism and its implications for hydrocarbon fluid seepage. *Journal of Geophysical Research*, **2010**, 115,		19
87	Gas hydrates in shallow deposits of the Amsterdam mud volcano, Anaximander Mountains, Northeastern Mediterranean Sea. *Geo-Marine Letters*, **2010**, 30, 187-206	1.9	49
86	Contributions from the 9th International Conference on Gas in Marine Sediments, University of Bremen, 15□19 September 2008. *Geo-Marine Letters*, **2010**, 30, 151-155	1.9	5
85	Patterns of carbonate authigenesis at the Kouilou pockmarks on the Congo deep-sea fan. *Marine Geology*, **2010**, 268, 129-136	3.3	90
84	Grain size measurements of natural gas hydrates. *Marine Geology*, **2010**, 274, 85-94	3.3	21
83	Authigenic carbonate precipitates from the NE Black Sea: a mineralogical, geochemical, and lipid biomarker study. *International Journal of Earth Sciences*, **2009**, 98, 677-695	2.2	34
82	Mineralization of vestimentiferan tubes at methane seeps on the Congo deep-sea fan. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2009**, 56, 283-293	2.5	38
81	Biogeochemical controls on authigenic carbonate formation at the Chapopote □sphalt volcano□ Bay of Campeche. *Chemical Geology*, **2009**, 266, 390-402	4.2	45
80	Vodyanitskii mud volcano, Sorokin trough, Black Sea: Geological characterization and quantification of gas bubble streams. *Marine and Petroleum Geology*, **2009**, 26, 1799-1811	4.7	74
79	The thermal structure of the Dvurechenskii mud volcano and its implications for gas hydrate stability and eruption dynamics. *Marine and Petroleum Geology*, **2009**, 26, 1812-1823	4.7	24

78	Biogeochemistry of a low-activity cold seep in the Larsen B area, western Weddell Sea, Antarctica. *Biogeosciences*, **2009**, 6, 2383-2395	4.6	51
77	Marine Methane Biogeochemistry of the Black Sea: A Review. *Modern Approaches in Solid Earth Sciences*, **2008**, 281-311	0.5	4
76	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). *Geochemistry, Geophysics, Geosystems*, **2008**, 9, n/a-n/a	3.6	10
75	A conceptual model for hydrocarbon accumulation and seepage processes around Chapopote asphalt site, southern Gulf of Mexico: From high resolution seismic point of view. *Journal of Geophysical Research*, **2008**, 113,		28
74	Complex plumbing systems in the near subsurface: Geometries of authigenic carbonates from Dolgovskoy Mound (Black Sea) constrained by analogue experiments. *Marine and Petroleum Geology*, **2008**, 25, 457-472	4.7	43
73	Natural gas hydrate investigations by synchrotron radiation X-ray cryo-tomographic microscopy (SRXCTM). *Geophysical Research Letters*, **2008**, 35,	4.9	38
72	Hydroacoustic methodology for detection, localization, and quantification of gas bubbles rising from the seafloor at gas seeps from the eastern Black Sea. *Geochemistry, Geophysics, Geosystems*, **2008**, 9, n/a-n/a	3.6	86
71	Pockmarks in the Northern Congo Fan area, SW Africa: Complex seafloor features shaped by fluid flow. *Marine Geology*, **2008**, 249, 206-225	3.3	84
70	Jiulong methane reef: Microbial mediation of seep carbonates in the South China Sea. *Marine Geology*, **2008**, 249, 243-256	3.3	161
69	Development and application of pressure-core-sampling systems for the investigation of gas- and gas-hydrate-bearing sediments. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2008**, 55, 1590-1599	2.5	58
68	In situ hydrocarbon concentrations from pressurized cores in surface sediments, Northern Gulf of Mexico. *Marine Chemistry*, **2007**, 107, 498-515	3.7	33
67	Appearance and preservation of natural gas hydrate from Hydrate Ridge sampled during ODP Leg 204 drilling. *Marine Geology*, **2007**, 244, 1-14	3.3	37
66	Fabric of gas hydrate in sediments from Hydrate Ridge—results from ODP Leg 204 samples. *Geo-Marine Letters*, **2007**, 27, 269-277	1.9	44
65	Acoustic investigation of cold seeps offshore Georgia, eastern Black Sea. *Marine Geology*, **2006**, 231, 51-67	3.3	71
64	Gas Hydrates in Marine Sediments **2006**, 481-512		30
63	Methane discharge into the Black Sea and the global ocean via fluid flow through submarine mud volcanoes. *Earth and Planetary Science Letters*, **2006**, 248, 545-560	5.3	81
62	Deformation and submarine landsliding caused by seamount subduction beneath the Costa Rica continental margin—new insights from high-resolution sidescan sonar data. *Geological Society Special Publication*, **2005**, 244, 195-205	1.7	14
61	Fluid sources, fluid pathways and diagenetic reactions across an accretionary prism revealed by Sr and B geochemistry. *Earth and Planetary Science Letters*, **2005**, 239, 106-121	5.3	56

60	Reply to comment on: Gas hydrate growth, methane transport and chloride enrichment at the southern summit of Hydrate Ridge, Cascadia Margin off Oregon *Earth and Planetary Science Letters*, **2005**, 239, 168-175	5.3	7
59	Chemoherms on Hydrate Ridge Unique microbially-mediated carbonate build-ups growing into the water column. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2005**, 227, 67-85	2.9	137
58	Mapping deep-water gas emissions with sidescan sonar. *Eos*, **2005**, 86, 341	1.5	21
57	Chapopote Asphalt Volcano may have been generated by supercritical water. *Eos*, **2005**, 86, 397	1.5	17
56	Clathrites: Archives of near-seafloor pore-fluid evolution (44/40Ca, 13C, 18O) in gas hydrate environments. *Geology*, **2005**, 33, 213	5	60
55	Evidence for the submarine weathering of silicate minerals in Black Sea sediments: Possible implications for the marine Li and B cycles. *Geochemistry, Geophysics, Geosystems*, **2004**, 5, n/a-n/a	3.6	28
54	Asphalt volcanism and chemosynthetic life in the Campeche Knolls, Gulf of Mexico. *Science*, **2004**, 304, 999-1002	33.3	110
53	The effect of dissolved barium on biogeochemical processes at cold seeps. *Geochimica Et Cosmochimica Acta*, **2004**, 68, 1735-1748	5.5	81
52	Three-dimensional distribution of gas hydrate beneath southern Hydrate Ridge: constraints from ODP Leg 204. *Earth and Planetary Science Letters*, **2004**, 222, 845-862	5.3	235
51	. *Earth and Planetary Science Letters*, **2004**, 225, 347-363	5.3	4
50	Gas hydrate growth, methane transport, and chloride enrichment at the southern summit of Hydrate Ridge, Cascadia margin off Oregon. *Earth and Planetary Science Letters*, **2004**, 226, 225-241	5.3	223
49	Formation of modern and Paleozoic stratiform barite at cold methane seeps on continental margins: Comment and Reply. *Geology*, **2004**, 32, e64-e65	5	1
48	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. *Earth and Planetary Science Letters*, **2004**, 225, 347-363	5.3	63
47	Formation of modern and Paleozoic stratiform barite at cold methane seeps on continental margins. *Geology*, **2003**, 31, 897	5	105
46	Drilling Gashydrates on Hydrate Ridge, Cascadia Continental Margin. *Energy Exploration and Exploitation*, **2003**, 21, 333-334	2.1	1
45	Acoustic investigations of mud volcanoes in the Sorokin Trough, Black Sea. *Geo-Marine Letters*, **2003**, 23, 230-238	1.9	53
44	Hydrocarbon gases in deposits from mud volcanoes in the Sorokin Trough, north-eastern Black Sea. *Geo-Marine Letters*, **2003**, 23, 250-257	1.9	49
43	Mud volcanoes and gas hydrates in the Black Sea: new data from Dvurechenskii and Odessa mud volcanoes. *Geo-Marine Letters*, **2003**, 23, 239-249	1.9	105

42	U/Th systematics and ages of authigenic carbonates from Hydrate Ridge, Cascadia Margin: recorders of fluid flow variations. *Geochimica Et Cosmochimica Acta*, **2003**, 67, 3845-3857	5.5	151
41	Stromatolitic fabric of authigenic carbonate crusts: result of anaerobic methane oxidation at cold seeps in 4,850 m water depth. *International Journal of Earth Sciences*, **2002**, 91, 698-711	2.2	74
40	Widespread fluid expulsion along the seafloor of the Costa Rica convergent margin. *Terra Nova*, **2002**, 14, 69-79	3	81
39	Massive barite deposits and carbonate mineralization in the Derugin Basin, Sea of Okhotsk: precipitation processes at cold seep sites. *Earth and Planetary Science Letters*, **2002**, 203, 165-180	5.3	125
38	Brennendes Eis: Methanhydrat Energiequelle der Zukunft oder Gefahr fs Klima?. *Physik Journal* , **2001**, 57, 49-54		4
37	Oxygen isotopes of marine diatoms and relations to opal-A maturation. *Geochimica Et Cosmochimica Acta*, **2001**, 65, 201-211	5.5	106
36	Hot vents in an ice-cold ocean: Indications for phase separation at the southernmost area of hydrothermal activity, Bransfield Strait, Antarctica. *Earth and Planetary Science Letters*, **2001**, 193, 381-394	5.3	27
35	Authigenic Carbonate and Barite Mineralization in Sediments of the Deryugin Basin (Sea of Okhotsk). *Lithology and Mineral Resources*, **2000**, 35, 504-508	0.7	10
34	Similar glacial and interglacial export bioproductivity in the Atlantic Sector of the Southern Ocean: Multiproxy evidence and implications for glacial atmospheric CO2. *Paleoceanography*, **2000**, 15, 642-658		113
33	Quantum rotations in natural methane-clathrates from the Pacific sea-floor. *Europhysics Letters*, **1999**, 48, 269-275	1.6	33
32	Flammable Ice. *Scientific American*, **1999**, 281, 76-83	0.5	50
31	Barium-rich authigenic clinoptilolite in sediments from the Japan Sea sink for dissolved barium?. *Chemical Geology*, **1999**, 158, 227-244	4.2	13
30	Gas hydrate destabilization: enhanced dewatering, benthic material turnover and large methane plumes at the Cascadia convergent margin. *Earth and Planetary Science Letters*, **1999**, 170, 1-15	5.3	333
29	Temporal and spatial evolution of a gas hydrate bearing accretionary ridge on the Oregon continental margin. *Geology*, **1999**, 27, 939	5	95
28	Hydrothermal activity at Hook Ridge in the Central Bransfield Basin, Antarctica. *Geo-Marine Letters*, **1998**, 18, 277-284	1.9	21
27	Oxygen isotopic composition of low-temperature authigenic clinoptilolite. *Earth and Planetary Science Letters*, **1998**, 160, 369-381	5.3	13
26	Fluid venting in the eastern Aleutian Subduction Zone. *Journal of Geophysical Research*, **1998**, 103, 2597-2614		97
25	Authigenic carbonates from the Cascadia subduction zone and their relation to gas hydrate stability. *Geology*, **1998**, 26, 647	5	314

24	Barium accumulation in the Atlantic sector of the Southern Ocean: Results From 190,000-year records. *Paleoceanography*, **1997**, 12, 594-603		102
23	Oxygen isotopes in marine diatoms: A comparative study of analytical techniques and new results on the isotope composition of recent marine diatoms. *Geochimica Et Cosmochimica Acta*, **1997**, 61, 2275-2280	5.5	56
22	Quantifying fluid flow, solute mixing, and biogeochemical turnover at cold vents of the eastern Aleutian subduction zone. *Geochimica Et Cosmochimica Acta*, **1997**, 61, 5209-5219	5.5	125
21	Contribution of Southern Ocean surface-water stratification to low atmospheric CO2 concentrations during the last glacial period. *Nature*, **1997**, 389, 929-935	50.4	492
20	Physical properties of a porcellanite layer (Southwest Indian Ridge) constrained by geophysical logging. *Marine Geology*, **1997**, 140, 415-426	3.3	4
19	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. *Chemical Geology*, **1996**, 127, 125-139	4.2	308
18	Authigenic barites and fluxes of barium associated with fluid seeps in the Peru subduction zone. *Earth and Planetary Science Letters*, **1996**, 144, 469-481	5.3	79
17	Pure siliceous ooze, a diagenetic environment for early chert formation. *Geology*, **1994**, 22, 207	5	58
16	Reflector Pc□a prominent feature in the Maud Rise sediment sequence (eastern Weddell Sea): Occurrence, regional distribution and implications to silica diagenesis. *Marine Geology*, **1992**, 106, 69-87	3.3	13
15	Low-temperature opal-CT precipitation in Antarctic deep-sea sediments: evidence from oxygen isotopes. *Earth and Planetary Science Letters*, **1991**, 107, 612-617	5.3	30
14	A young porcellanite occurrence from the Southwest Indian Ridge. *Marine Geology*, **1990**, 92, 155-163	3.3	16
13	Miocene to Quaternary Paleoceanography in the Northern North Atlantic: Variability in Carbonate and Biogenic Opal Accumulation **1990**, 647-675		28
12	Authigenic zeolites and their relation to silica diagenesis in ODP Site 661 sediments (Leg 108, Eastern Equatorial Atlantic). *Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie*, **1989**, 78, 779-792		13
11	Accumulation of biogenie silica and opal dissolution in upper quaternary skagerrak sediments. *Geo-Marine Letters*, **1986**, 6, 165-172	1.9	6
10	Methane-derived authigenic carbonates associated with gas hydrate decomposition and fluid venting above the Blake Ridge Diapir		35
9	Leg 204 synthesis: gas hydrate distribution and dynamics in the central Cascadia accretionary complex		12
8	Data Report: Shapes and Structures of Gas Hydrates Imaged by Computed Tomographic Analyses, ODP Leg 204, Hydrate Ridge		4
7	Drilling Gas Hydrates On Hydrate Ridge, Cascadia Continental Margin		8

6	Gas emissions at the continental margin west off Svalbard: mapping, sampling, and quantification	13
5	Quantifying in-situ gas hydrates at active seep sites in the eastern Black Sea using pressure coring technique	2
4	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	4
3	More than ten years of successful operation of the MARUM-MeBo sea bed drilling technology: Highlights of recent scientific drilling campaigns	2
2	Automated gas bubble imaging at sea floor – a new method of in situ gas flux quantification	2
1	LAPM: a tool for underwater Large-Area Photo-Mosaicking	1