

Bernhard Schnetger

List of Publications by Year in descending order

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119
papers

5,572
citations

71061

41
h-index

91828

69
g-index

120
all docs

120
docs citations

120
times ranked

6958
citing authors

#	ARTICLE	IF	CITATIONS
1	Trace Metal Dynamics in Shallow Hydrothermal Plumes at the Kermadec Arc. <i>Frontiers in Marine Science</i> , 2022, 8, .	1.2	8
2	Niche differentiation of sulfur-oxidizing bacteria (SUP05) in submarine hydrothermal plumes. <i>ISME Journal</i> , 2022, 16, 1479-1490.	4.4	11
3	Biogeochemical cycling of molybdenum and thallium during a phytoplankton summer bloom: A mesocosm study. <i>Marine Chemistry</i> , 2021, 229, 103910.	0.9	12
4	Thallium cycling in pore waters of intertidal beach sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 306, 321-339.	1.6	9
5	Sulfurization of dissolved organic matter in the anoxic water column of the Black Sea. <i>Science Advances</i> , 2021, 7, .	4.7	34
6	Petrophysical Property Modifications by Alteration in a Volcanic Sequence at IODP Site U1513, Naturaliste Plateau. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021061.	1.4	11
7	Biogeochemical thallium cycling during a mesocosm phytoplankton spring bloom: Biotic versus abiotic drivers. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 313, 257-276.	1.6	5
8	Identifying Appropriate Locations for the Accelerated Weathering of Limestone to Reduce CO2 Emissions. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1261.	0.8	2
9	Historical anthropogenic heavy metal input to the south-eastern North Sea. <i>Geo-Marine Letters</i> , 2020, 40, 135-148.	0.5	8
10	Carbon capture via accelerated weathering of limestone: Modeling local impacts on the carbonate chemistry of the southern North Sea. <i>International Journal of Greenhouse Gas Control</i> , 2020, 92, 102855.	2.3	18
11	Near-field hydrothermal plume dynamics at Brothers Volcano (Kermadec Arc): A short-lived radium isotope study. <i>Chemical Geology</i> , 2020, 533, 119379.	1.4	10
12	Arctic Continental Margin Sediments as Possible Fe and Mn Sources to Seawater as Sea Ice Retreats: Insights From the Eurasian Margin. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006581.	1.9	5
13	Major and trace element characterization of Oceanic Anoxic Event 1d (OAE 1d): Insight from the Umbria-Marche Basin, central Italy. <i>Chemical Geology</i> , 2020, 557, 119834.	1.4	8
14	Reconstructing oxygen deficiency in the glacial Gulf of Alaska: Combining biomarkers and trace metals as paleo-redox proxies. <i>Chemical Geology</i> , 2020, 558, 119864.	1.4	15
15	Evolution of the Southwest Australian Rifted Continental Margin During Breakup of East Gondwana: Results From International Ocean Discovery Program Expedition 369. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009144.	1.0	22
16	Manganese dynamics in tidal basins of the Wadden Sea: Spatial/seasonal patterns and budget estimates. <i>Marine Chemistry</i> , 2020, 225, 103847.	0.9	6
17	Submarine Hydrothermal Discharge and Fluxes of Dissolved Fe and Mn, and He Isotopes at Brothers Volcano Based on Radium Isotopes. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 969.	0.8	9
18	Development of Iron Speciation Reference Materials for Palaeoredox Analysis. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 581-591.	1.7	31

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19	Reducing CO ₂ Emissions of a Coal-Fired Power Plant via Accelerated Weathering of Limestone: Carbon Capture Efficiency and Environmental Safety. <i>Environmental Science & Technology</i> , 2020, 54, 4528-4535.	4.6	10
20	Rare Earth Element Behavior in a Sandy Subterranean Estuary of the Southern North Sea. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	15
21	Climatic and hydrologic variability in the northern Mediterranean across the onset of the Messinian salinity crisis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 545, 109632.	1.0	17
22	Early Cretaceous subsidence of the Naturaliste Plateau defined by a new record of volcanoclastic-rich sequence at IODP Site U1513. <i>Gondwana Research</i> , 2020, 82, 1-11.	3.0	23
23	Sedimentary iron cycling in the Benguela upwelling system off Namibia. <i>Earth and Planetary Science Letters</i> , 2020, 538, 116212.	1.8	12
24	Seasonality of Organic Matter Degradation Regulates Nutrient and Metal Net Fluxes in a High Energy Sandy Beach. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005399.	1.3	23
25	Non-conservative Behavior of Dissolved Organic Matter and Trace Metals (Mn, Fe, Ba) Driven by Porewater Exchange in a Subtropical Mangrove-Estuary. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	22
26	Dynamic climate-driven controls on the deposition of the Kimmeridge Clay Formation in the Cleveland Basin, Yorkshire, UK. <i>Climate of the Past</i> , 2019, 15, 1581-1601.	1.3	9
27	Deep Sulfate-Methane-Transition and sediment diagenesis in the Gulf of Alaska (IODP Site U1417). <i>Marine Geology</i> , 2019, 417, 105986.	0.9	8
28	DSi as a Tracer for Submarine Groundwater Discharge. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	37
29	Inorganic and organic iron and copper species of the subterranean estuary: Origins and fate. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 211-232.	1.6	19
30	Dissimilar behaviors of the geochemical twins W and Mo in hypoxic-euxinic marine basins. <i>Earth-Science Reviews</i> , 2019, 193, 1-23.	4.0	53
31	Local to global controls on the deposition of organic-rich muds across the Late Jurassic Laurasian Seaway. <i>Journal of the Geological Society</i> , 2019, 176, 1143-1153.	0.9	7
32	Spatial and Temporal Patterns of Pore Water Chemistry in the Inter-Tidal Zone of a High Energy Beach. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	41
33	Paleoenvironmental change in a precession-paced succession across the onset of the Messinian salinity crisis: Insight from element geochemistry and molecular fossils. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 518, 45-61.	1.0	23
34	Large Scale Climate Teleconnections Driving Marine Black Shale Formation Across the Jurassic Boreal Seaway (KFC): A Geochemistry-Modelling Perspective. , 2019, , .		0
35	Rare earth element distributions in the West Pacific: Trace element sources and conservative vs. non-conservative behavior. <i>Earth and Planetary Science Letters</i> , 2018, 486, 166-177.	1.8	23
36	Thallium dynamics in the southern North Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 227, 143-155.	1.6	16

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37	Redox evolution during Eemian and Holocene sapropel formation in the Black Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 489, 249-260.	1.0	32
38	Sources and processes affecting the distribution of dissolved Nd isotopes and concentrations in the West Pacific. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 222, 508-534.	1.6	42
39	Massive Mn carbonate formation in the Landsort Deep (Baltic Sea): Hydrographic conditions, temporal succession, and Mn budget calculations. <i>Marine Geology</i> , 2018, 395, 260-270.	0.9	56
40	Tracking Late Cretaceous environmental change: Geochemical environment of the upper Campanian to lower Maastrichtian chalks at Krons Moor, northern Germany. <i>Cretaceous Research</i> , 2018, 84, 323-339.	0.6	9
41	Impact of the Major Baltic Inflow in 2014 on Manganese Cycling in the Gotland Deep (Baltic Sea). <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	31
42	Heavy metal contamination and health risk assessment in waste mine water dewatering using phosphate beneficiation processes in Jordan. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	10
43	The GEOTRACES Intermediate Data Product 2017. <i>Chemical Geology</i> , 2018, 493, 210-223.	1.4	257
44	Antibiotic-induced effects on scaling relationships and on plant element contents in herbs and grasses. <i>Ecology and Evolution</i> , 2018, 8, 6699-6713.	0.8	12
45	Thallium dynamics in the Weser estuary (NW Germany). <i>Estuarine, Coastal and Shelf Science</i> , 2017, 187, 146-151.	0.9	10
46	Meltwater as a source of potentially bioavailable iron to Antarctica waters. <i>Antarctic Science</i> , 2017, 29, 277-291.	0.5	50
47	Quantifying K , U , and T h contents of marine sediments using shipboard natural gamma radiation spectra measured on DV JOIDES R resolution. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1053-1064.	1.0	74
48	Past penguin colony responses to explosive volcanism on the Antarctic Peninsula. <i>Nature Communications</i> , 2017, 8, 14914.	5.8	53
49	Cycling of redox-sensitive elements in a sandy subterranean estuary of the southern North Sea. <i>Marine Chemistry</i> , 2017, 188, 6-17.	0.9	42
50	Microstructure Degradation of LSM/YSZ Cathodes for Solid Oxide Fuel Cells Aged in Stack after Long Operation Time. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1385-F1391.	1.3	9
51	Uranium export from a sandy beach subterranean estuary in Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 198, 204-212.	0.9	4
52	The Biogeographical Distribution of Benthic Roseobacter Group Members along a Pacific Transect Is Structured by Nutrient Availability within the Sediments and Primary Production in Different Oceanic Provinces. <i>Frontiers in Microbiology</i> , 2017, 8, 2550.	1.5	34
53	Repeated enrichment of trace metals and organic carbon on an Eocene high-energy shelf caused by anoxia and reworking. <i>Geology</i> , 2016, 44, 1011-1014.	2.0	19
54	Rapid and precise analysis of rare earth elements in small volumes of seawater - Method and intercomparison. <i>Marine Chemistry</i> , 2016, 186, 110-120.	0.9	32

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55	Manganese and iron release from mangrove porewaters: A significant component of oceanic budgets?. <i>Marine Chemistry</i> , 2016, 184, 43-52.	0.9	42
56	Hawaiian imprint on dissolved Nd and Ra isotopes and rare earth elements in the central North Pacific: Local survey and seasonal variability. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 110-131.	1.6	53
57	Climate change and response in bottom water circulation and sediment provenance in the Central Arctic Ocean since the Last Glacial. <i>Chemical Geology</i> , 2016, 427, 98-108.	1.4	16
58	Diagenetic regimes in Arctic Ocean sediments: Implications for sediment geochemistry and core correlation. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 188, 125-146.	1.6	24
59	Suitability assessment of phosphate mine waste water for agricultural irrigation: an example from Eshidiya Mines, South Jordan. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	12
60	Silica diagenesis and benthic fluxes in the Arctic Ocean. <i>Marine Chemistry</i> , 2015, 171, 1-9.	0.9	34
61	Porewater exchange as a driver of carbon dynamics across a terrestrial-marine transect: Insights from coupled ²²² Rn and pCO ₂ observations in the German Wadden Sea. <i>Marine Chemistry</i> , 2015, 171, 10-20.	0.9	68
62	Carbon, nutrient and trace metal cycling in sandy sediments: A comparison of high-energy beaches and backbarrier tidal flats. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 159, 1-14.	0.9	78
63	Fraction distribution and risk assessment of heavy metals in waste clay sediment discharged through the phosphate beneficiation process in Jordan. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 401.	1.3	17
64	Dissolved iron exports from an estuary surrounded by coastal wetlands: Can small estuaries be a significant source of Fe to the ocean?. <i>Marine Chemistry</i> , 2015, 176, 75-82.	0.9	44
65	Benthic-pelagic coupling of nutrients and dissolved organic matter composition in an intertidal sandy beach. <i>Marine Chemistry</i> , 2015, 176, 150-163.	0.9	102
66	Phosphorus burial and diagenesis in the central Bering Sea (Bowers Ridge, IODP Site U1341): Perspectives on the marine P cycle. <i>Chemical Geology</i> , 2014, 363, 270-282.	1.4	40
67	Determination of nitrate plus nitrite in small volume marine water samples using vanadium(III)chloride as a reduction agent. <i>Marine Chemistry</i> , 2014, 160, 91-98.	0.9	157
68	Redox conditions and trace metal cycling in coastal sediments from the maritime Antarctic. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 141, 26-44.	1.6	40
69	Meltwater events and the Mediterranean reconnection at the Saalian-Eemian transition in the Black Sea. <i>Earth and Planetary Science Letters</i> , 2014, 404, 124-135.	1.8	34
70	Solar forcing of Nile discharge and sapropel S1 formation in the early to middle Holocene eastern Mediterranean. <i>Paleoceanography</i> , 2014, 29, 343-356.	3.0	112
71	Climatic imprint of the mid-latitude Westerlies in the Central Tian Shan of Kyrgyzstan and teleconnections to North Atlantic climate variability during the last 6000 years. <i>Holocene</i> , 2014, 24, 970-984.	0.9	78
72	Biogeochemistry of dissolved organic matter in an anoxic intertidal creek bank. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 418-434.	1.6	218

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73	Are Iron-Phosphate Minerals a Sink for Phosphorus in Anoxic Black Sea Sediments?. PLoS ONE, 2014, 9, e101139.	1.1	45
74	Microbial hitchhikers on intercontinental dust: catching a lift in Chad. ISME Journal, 2013, 7, 850-867.	4.4	94
75	Microbial hitchhikers on intercontinental dust: high-throughput sequencing to catalogue microbes in small sand samples. Aerobiologia, 2013, 29, 71-84.	0.7	40
76	Consistent assessment of trace metal contamination in surface sediments and suspended particulate matter: A case study from the Jade Bay in NW Germany. Marine Pollution Bulletin, 2013, 70, 100-111.	2.3	52
77	Nutrient leakage from the North Pacific to the Bering Sea (IODP Site U1341) following the onset of Northern Hemispheric Glaciation?. Paleocceanography, 2013, 28, 68-78.	3.0	31
78	Establishment of euxinic conditions in the Holocene Black Sea. Geology, 2013, 41, 431-434.	2.0	56
79	Characterization of ikaite ($\text{CaCO}_3 \cdot 6\text{H}_2\text{O}$) crystals in first-year Arctic sea ice north of Svalbard. Annals of Glaciology, 2013, 54, 125-131.	2.8	38
80	Dissolved reactive manganese at pelagic redoxclines (part II): Hydrodynamic conditions for accumulation. Journal of Marine Systems, 2012, 90, 31-41.	0.9	62
81	Underestimation of the authigenic fraction of Cu and Ni in organic-rich sediments. Marine Geology, 2012, 323-325, 24-28.	0.9	43
82	Trace metal geochemistry of organic carbon-rich watercourses draining the NW German coast. Estuarine, Coastal and Shelf Science, 2012, 104-105, 66-79.	0.9	33
83	Dissolved reactive manganese at pelagic redoxclines (part I): A method for determination based on field experiments. Journal of Marine Systems, 2012, 90, 23-30.	0.9	26
84	A geochemical record of late Holocene palaeoenvironmental changes at King George Island (maritime) Tj ETQq0 0 Q,rgBT /Overlock 10 T	0.5	55
85	Molybdenum isotope fractionation in pelagic euxinia: Evidence from the modern Black and Baltic Seas. Chemical Geology, 2011, 289, 1-11.	1.4	174
86	Rates of trace metal and nutrient diagenesis in an intertidal creek bank. Geochimica Et Cosmochimica Acta, 2011, 75, 134-147.	1.6	43
87	Radium-based pore water fluxes of silica, alkalinity, manganese, DOC, and uranium: A decade of studies in the German Wadden Sea. Geochimica Et Cosmochimica Acta, 2011, 75, 6535-6555.	1.6	99
88	Manganese-rich brown layers in Arctic Ocean sediments: Composition, formation mechanisms, and diagenetic overprint. Geochimica Et Cosmochimica Acta, 2011, 75, 7668-7687.	1.6	94
89	Variable Eocene-Miocene sedimentation processes and bottom water redox conditions in the Central Arctic Ocean (IODP Expedition 302). Earth and Planetary Science Letters, 2011, 310, 526-537.	1.8	14
90	Rapid and accurate determination of Thallium in seawater using SF-ICP-MS. Talanta, 2011, 85, 1695-1697.	2.9	20

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91	Late Archean euxinic conditions before the rise of atmospheric oxygen. <i>Geology</i> , 2011, 39, 119-122.	2.0	87
92	Anaerobic sulfur oxidation in the absence of nitrate dominates microbial chemoautotrophy beneath the pelagic chemocline of the eastern Gotland Basin, Baltic Sea. <i>FEMS Microbiology Ecology</i> , 2010, 71, 226-236.	1.3	45
93	Paleoenvironmental implications of Cenozoic sediments from the central Arctic Ocean (IODP) Tj ETQq1 1 0.784314 rrgBT /Overlock 100	3.6	25
94	A new particulate Mn-Fe-P-shuttle at the redoxcline of anoxic basins. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 7100-7115.	1.6	215
95	Methane in the southern North Sea: Sources, spatial distribution and budgets. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 81, 445-456.	0.9	59
96	Trace element signatures of Chilean upwelling sediments at ~36°S. <i>Marine Geology</i> , 2009, 259, 112-121.	0.9	75
97	Sulphate, dissolved organic carbon, nutrients and terminal metabolic products in deep pore waters of an intertidal flat. <i>Biogeochemistry</i> , 2008, 89, 221-238.	1.7	38
98	Spatial and seasonal variations of sulphate, dissolved organic carbon, and nutrients in deep pore waters of intertidal flat sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 79, 307-316.	0.9	73
99	Cycling of trace metals (Mn, Fe, Mo, U, V, Cr) in deep pore waters of intertidal flat sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2822-2840.	1.6	139
100	Crystal structure of synthetic Al ₄ B ₂ O ₉ : A member of the mullite family closely related to boralsilite. <i>American Mineralogist</i> , 2008, 93, 918-927.	0.9	30
101	In situ pore water sampling in deep intertidal flat sediments. <i>Limnology and Oceanography: Methods</i> , 2007, 5, 136-144.	1.0	37
102	Non-conservative behaviour of molybdenum in coastal waters: Coupling geochemical, biological, and sedimentological processes. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 2745-2761.	1.6	89
103	A novel time-series station in the Wadden Sea (NW Germany): First results on continuous nutrient and methane measurements. <i>Marine Chemistry</i> , 2007, 107, 411-421.	0.9	40
104	Life in Darwin's dust: intercontinental transport and survival of microbes in the nineteenth century. <i>Environmental Microbiology</i> , 2007, 9, 2911-2922.	1.8	80
105	Geochemical characteristics of Chilean upwelling sediments at ~36°S. <i>Marine Geology</i> , 2005, 220, 1-21.	0.9	71
106	Geochemistry of Peruvian near-surface sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4429-4451.	1.6	326
107	Direct Measurement of the Content and Isotopic Composition of Sulfur in Black Shales by Means of Combustion-Isotope-Ratio-Monitoring Mass Spectrometry (C-irmMS). , 2004, , 597-603.		9
108	Geochemistry of sediments from the connection between the western and the eastern Mediterranean Sea (Strait of Sicily, ODP Site 963). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003, 190, 165-194.	1.0	36

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109	A Preconcentration/Matrix Reduction Method for the Analysis of Rare Earth Elements in Seawater and Groundwaters by Isotope Dilution ICPMS. <i>Analytical Chemistry</i> , 2003, 75, 3396-3403.	3.2	60
110	Sea-surface temperature variability in the 16th century at Bermuda inferred from coral records. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2002, 179, 159-171.	1.0	34
111	Barium as a productivity proxy in continental margin sediments: a study from the eastern Arabian Sea. <i>Marine Geology</i> , 2002, 184, 189-206.	0.9	66
112	A high resolution study of NE Atlantic sediments at station Bengal: geochemistry and early diagenesis of Heinrich layers. <i>Marine Geology</i> , 2001, 177, 79-92.	0.9	13
113	Geochemical characteristics of deep-sea sediments from the Arabian Sea: a high-resolution study. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000, 47, 2735-2768.	0.6	105
114	Stable sulfur isotopes indicate net sulfate reduction in near-surface sediments of the deep Arabian Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000, 47, 2769-2783.	0.6	34
115	Distribution of organic carbon in surface sediments along the eastern Arabian Sea: a revisit. <i>Marine Geology</i> , 1999, 162, 91-103.	0.9	52
116	A fast method for the simultaneous determination of ²³⁰ Th, ²³⁴ U and ²³⁵ U with isotope dilution sector field ICP-MS. <i>Analyst</i> , The, 1999, 124, 927-932.	1.7	18
117	Iodine (and Other Halogens) in Twenty Six Geological Reference Materials by ICP-MS and Ion Chromatography. <i>Geostandards and Geoanalytical Research</i> , 1998, 22, 181-186.	1.7	29
118	Determination of halogens, with special reference to iodine, in geological and biological samples using pyrohydrolysis for preparation and inductively coupled plasma mass spectrometry and ion chromatography for measurement. <i>Analyst</i> , The, 1996, 121, 1627.	1.7	139
119	Data report: wavelength-dispersive X-ray fluorescence-based geochemical data, Site U1418, IODP Expedition 341, Gulf of Alaska. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	2