

Michael E Bächtcher

List of Publications by Year in descending order

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163
papers

9,428
citations

38720

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docs citations

202
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal and magmatic contributions to surface waters in the Aso caldera, southern Japan: Implications for weathering processes in volcanic areas. <i>Chemical Geology</i> , 2022, 588, 120612.	1.4	7
2	Postglacial evolution of Lake Constance: sedimentological and geochemical evidence from a deep-basin sediment core. <i>Swiss Journal of Geosciences</i> , 2022, 115, .	0.5	5
3	Paleoenvironmental evolution during the Early Eocene Climate Optimum in the Chicxulub impact crater. <i>Earth and Planetary Science Letters</i> , 2022, 589, 117589.	1.8	2
4	The impact of temperature on the water isotope ($\delta^2\text{H}/\delta^1\text{H}$) through a low-density polyethylene membrane. <i>Isotopes in Environmental and Health Studies</i> , 2021, 57, 183-192.	0.5	8
5	Mineral authigenesis within chemosynthetic microbial mats: Coated grain formation and phosphogenesis at a Cretaceous hydrocarbon seep, New Zealand. <i>Depositional Record</i> , 2021, 7, 294-310.	0.8	11
6	BaFe[CO ₃] ₂ , a new double carbonate: Synthesis, structural characterisation, and geostability implications for high and low PT. <i>Chemie Der Erde</i> , 2021, 81, 125740.	0.8	3
7	Hydrogeochemistry of near-surface groundwater on a developing barrier island (Spiekeroog, Germany). <i>Journal of Hydrology</i> , 2021, 591, 273-283.	2.3	6
8	Young soils of a temperate barrier island under the impact of formation and resetting by tides and wind. <i>Catena</i> , 2021, 202, 105275.	2.2	6
9	Molybdenum isotope composition of seep carbonates – Constraints on sediment biogeochemistry in seepage environments. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 307, 56-71.	1.6	16
10	Calcification-driven CO ₂ emissions exceed Blue Carbon sequestration in a carbonate seagrass meadow. <i>Science Advances</i> , 2021, 7, eabj1372.	4.7	33
11	Late Permian–Early Triassic environmental changes recorded by multi-isotope (Re-Os-N-Hg) data and trace metal distribution from the Hovea-3 section, Western Australia. <i>Gondwana Research</i> , 2020, 88, 353-372.	3.0	17
12	Calcium isotope fractionation upon experimental apatite formation. <i>Chemical Geology</i> , 2020, 551, 119737.	1.4	5
13	Microbial life in the nascent Chicxulub crater. <i>Geology</i> , 2020, 48, 328-332.	2.0	40
14	Holocene Hydrographic Variations From the Baltic–North Sea Transitional Area (IODP Site M0059). <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003722.	1.3	8
15	The impact of intertidal areas on the carbonate system of the southern North Sea. <i>Biogeosciences</i> , 2020, 17, 4223-4245.	1.3	3
16	Aragonite–calcite veins of the Erzberg iron ore deposit (Austria): Environmental implications from young fractures. <i>Sedimentology</i> , 2019, 66, 604-635.	1.6	11
17	Modeling of biogeochemical processes in a barrier island freshwater lens (Spiekeroog, Germany). <i>Journal of Hydrology</i> , 2019, 575, 1133-1144.	2.3	18
18	Factors controlling the carbon isotope composition of dissolved inorganic carbon and methane in marine porewater: An evaluation by reaction-transport modelling. <i>Journal of Marine Systems</i> , 2019, 200, 103227.	0.9	35

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19	Sulphur and carbon isotopes as tracers of past sub-seafloor microbial activity. <i>Scientific Reports</i> , 2019, 9, 604.	1.6	19
20	Sulfate deprivation triggers high methane production in a disturbed and rewetted coastal peatland. <i>Biogeosciences</i> , 2019, 16, 1937-1953.	1.3	29
21	Ecological ReGional Ocean Model with vertically resolved sediments (ERGOMÂSEDÂ1.0): coupling benthic and pelagic biogeochemistry of the south-western Baltic Sea. <i>Geoscientific Model Development</i> , 2019, 12, 275-320.	1.3	14
22	Twenty-three unsolved problems in hydrology (UPH) â€“ a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	1.2	474
23	Refining the temperature dependence of the oxygen and clumped isotopic compositions of structurally bound carbonate in apatite. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 253, 19-38.	1.6	12
24	Microbial Mayhem in the Nascent Chicxulub Crater. , 2019, , .		0
25	Iron sulfide formation in young and rapidly-deposited permeable sands at the land-sea transition zone. <i>Science of the Total Environment</i> , 2019, 649, 264-283.	3.9	17
26	Hydrochemical evolution of a freshwater lens below a barrier island (Spiekeroog, Germany): The role of carbonate mineral reactions, cation exchange and redox processes. <i>Applied Geochemistry</i> , 2018, 92, 196-208.	1.4	38
27	Barium isotope fractionation during the experimental transformation of aragonite to witherite and of gypsum to barite, and the effect of ion (de)solvation. <i>Isotopes in Environmental and Health Studies</i> , 2018, 54, 324-335.	0.5	28
28	Multi-isotope (Ba, C, O) partitioning during experimental carbonatization of a hyper-alkaline solution. <i>Chemie Der Erde</i> , 2018, 78, 241-247.	0.8	19
29	Sedimentary trace element sinks in a tropical upwelling system. <i>Journal of Soils and Sediments</i> , 2018, 18, 287-296.	1.5	2
30	Predominance of methanogens over methanotrophs in rewetted fens characterized by high methane emissions. <i>Biogeosciences</i> , 2018, 15, 6519-6536.	1.3	38
31	Solute Reservoirs Reflect Variability of Early Diagenetic Processes in Temperate Brackish Surface Sediments. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	12
32	Anaerobic methane oxidation inducing carbonate precipitation at abiogenic methane seeps in the Tuscan archipelago (Italy). <i>PLoS ONE</i> , 2018, 13, e0207305.	1.1	21
33	In Search of a Field-Based Relationship Between Benthic Macrofauna and Biogeochemistry in a Modern Brackish Coastal Sea. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	15
34	Understanding the Coastal Ecocline: Assessing Seaâ€“Land Interactions at Non-tidal, Low-Lying Coasts Through Interdisciplinary Research. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	30
35	Earthquake-induced structural deformations enhance long-term solute fluxes from active volcanic systems. <i>Scientific Reports</i> , 2018, 8, 14809.	1.6	33
36	Ferruginous groundwaters as a source of P, Fe, and DIC for coastal waters of the southern Baltic Sea: (Isotope) hydrobiogeochemistry and the role of an iron curtain. <i>E3S Web of Conferences</i> , 2018, 54, 00019.	0.2	2

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37	Effect of temperature rise and ocean acidification on growth of calcifying tubeworm shells (<i>Spirorbis spirorbis</i>): an in situ benthocosm approach. <i>Biogeosciences</i> , 2018, 15, 1425-1445.	1.3	6
38	Multiple sulfur isotopic evidence for the origin of elemental sulfur in an iron-dominated gas hydrate-bearing sedimentary environment. <i>Marine Geology</i> , 2018, 403, 271-284.	0.9	35
39	Carbon diagenesis in different sedimentary environments of the subtropical Beibu Gulf, South China Sea. <i>Journal of Marine Systems</i> , 2018, 186, 68-84.	0.9	12
40	Biogeochemical impact of submarine ground water discharge on coastal surface sands of the southern Baltic Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 189, 131-142.	0.9	27
41	Nitrogen Metabolism Genes from Temperate Marine Sediments. <i>Marine Biotechnology</i> , 2017, 19, 175-190.	1.1	30
42	Iron oxide reduction in methane-rich deep Baltic Sea sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 207, 256-276.	1.6	95
43	Potentially Active Iron, Sulfur, and Sulfate Reducing Bacteria in Skagerrak and Bothnian Bay Sediments. <i>Geomicrobiology Journal</i> , 2017, 34, 840-850.	1.0	28
44	$\delta^{34}\text{S}$ character of organosulfur compounds in kerogen and bitumen fractions of sedimentary rocks. <i>Organic Geochemistry</i> , 2017, 110, 60-64.	0.9	14
45	Bladder wrack (<i>Fucus vesiculosus</i>) as a multi-isotope bio-monitor in an urbanized fjord of the western Baltic Sea. <i>Isotopes in Environmental and Health Studies</i> , 2017, 53, 563-579.	0.5	10
46	Characterisation and origin of hydrothermal waters at São Miguel (Azores) inferred by chemical and isotopic composition. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 346, 104-117.	0.8	13
47	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
48	Tales of mystery and imagination in stable isotope geochemistry: celebrating the 75th birthday of Jochen Hoefs. <i>Isotopes in Environmental and Health Studies</i> , 2016, 52, 1-11.	0.5	5
49	Clumped isotope thermometry of carbonate-bearing apatite: Revised sample pre-treatment, acid digestion, and temperature calibration. <i>Chemical Geology</i> , 2016, 443, 97-110.	1.4	26
50	Carbon sources in the North Sea evaluated by means of radium and stable carbon isotope tracers. <i>Limnology and Oceanography</i> , 2016, 61, 666-683.	1.6	29
51	Oxygen isotope fractionation in double carbonates. <i>Isotopes in Environmental and Health Studies</i> , 2016, 52, 29-46.	0.5	24
52	Bacterial communities potentially involved in iron-cycling in Baltic Sea and North Sea sediments revealed by pyrosequencing. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw054.	1.3	42
53	Constraints on barium isotope fractionation during aragonite precipitation by corals. <i>Depositional Record</i> , 2015, 1, 118-129.	0.8	44
54	A mesocosm concept for the simulation of near-natural shallow underwater climates: The Kiel Outdoor Benthocosms (KOB). <i>Limnology and Oceanography: Methods</i> , 2015, 13, 651-663.	1.0	75

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55	Linking sedimentary sulfur and iron biogeochemistry to growth patterns of a cold-water coral mound in the Porcupine Basin, S.W. Ireland (IODP Expedition 307). <i>Geobiology</i> , 2015, 13, 424-442.	1.1	5
56	Benthic Nutrient Fluxes from Mangrove Sediments of an Anthropogenically Impacted Estuary in Southern China. <i>Journal of Marine Science and Engineering</i> , 2015, 3, 466-491.	1.2	24
57	Zygomycetes in Vesicular Basanites from Vesteris Seamount, Greenland Basin – A New Type of Cryptoendolithic Fungi. <i>PLoS ONE</i> , 2015, 10, e0133368.	1.1	21
58	Uranium and molybdenum isotope systematics in modern euxinic basins: Case studies from the central Baltic Sea and the Kyllaren fjord (Norway). <i>Chemical Geology</i> , 2015, 396, 182-195.	1.4	131
59	Molecular proxies as indicators of freshwater incursion-driven salinity stratification. <i>Chemical Geology</i> , 2015, 409, 61-68.	1.4	48
60	Microbiologically induced concrete corrosion: A case study from a combined sewer network. <i>Cement and Concrete Research</i> , 2015, 77, 16-25.	4.6	118
61	Changes of palaeoenvironmental conditions recorded in Late Devonian reef systems from the Canning Basin, Western Australia: A biomarker and stable isotope approach. <i>Gondwana Research</i> , 2015, 28, 1500-1515.	3.0	52
62	$\delta^{17}\text{O}$ excess traces atmospheric nitrate in paleo-groundwater of the Saharan desert. <i>Biogeosciences</i> , 2014, 11, 3149-3161.	1.3	7
63	New aspects of sulfur biogeochemistry during ore deposition from $\delta^{34}\text{S}$ of elemental sulfur and organic sulfur from the Here's Your Chance Pb/Zn/Ag deposit. <i>Chemical Geology</i> , 2014, 387, 126-132.	1.4	7
64	Tidal and spatial variations of $\delta^{13}\text{C}$ and aquatic chemistry in a temperate tidal basin during winter time. <i>Journal of Marine Systems</i> , 2014, 129, 396-404.	0.9	47
65	Submarine groundwater discharge to the Baltic coastal zone: Impacts on the meiofaunal community. <i>Journal of Marine Systems</i> , 2014, 129, 118-126.	0.9	42
66	Pelagic molybdenum concentration anomalies and the impact of sediment resuspension on the molybdenum budget in two tidal systems of the North Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 119, 198-211.	1.6	44
67	Vibrational spectra of $\text{BaMn}(\text{CO}_3)_2$ and a re-analysis of the Raman spectrum of $\text{BaMg}(\text{CO}_3)_2$. <i>European Journal of Mineralogy</i> , 2013, 25, 137-144.	0.4	15
68	Trace-element and multi-isotope geochemistry of Late-Archean black shales in the Carajás iron-ore district, Brazil. <i>Chemical Geology</i> , 2013, 362, 91-104.	1.4	40
69	Regional Differences of Hydrographical and Sedimentological Properties in the Beibu Gulf, South China Sea. <i>Journal of Coastal Research</i> , 2013, 66, 49-71.	0.1	26
70	Multi-isotope approach for the identification and characterisation of nitrate pollution sources in the Marano lagoon (Italy) and parts of its catchment area. <i>Applied Geochemistry</i> , 2013, 34, 75-89.	1.4	57
71	Determination of Nitrate Pollution Sources in the Marano Lagoon (Italy) by using a Combined Approach of Hydrochemical and Isotopic Techniques. <i>Procedia Earth and Planetary Science</i> , 2013, 7, 758-761.	0.6	8
72	Elevated pCO_2 leading to Late Triassic extinction, persistent photic zone euxinia, and rising sea levels. <i>Geology</i> , 2013, 41, 955-958.	2.0	91

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73	Title is missing!. , 2013, 9, 96.		54
74	In memoriam Dr Heimo Nielsen. Isotopes in Environmental and Health Studies, 2013, 49, 1-2.	0.5	0
75	Concrete under sulphate attack: an isotope study on sulphur sources. Isotopes in Environmental and Health Studies, 2012, 48, 105-117.	0.5	17
76	Sulphur tales: a tribute on the occasion of the 90th birthday of Heimo Nielsen. Isotopes in Environmental and Health Studies, 2012, 48, 1-6.	0.5	1
77	Sulphur isotope fractionation during the reduction of elemental sulphur and thiosulphate by <i>Dethiosulfovibrio</i> spp.. Isotopes in Environmental and Health Studies, 2012, 48, 65-75.	0.5	11
78	Barium isotope fractionation during experimental formation of the double carbonate BaMn[CO ₃] ₂ at ambient temperature. Isotopes in Environmental and Health Studies, 2012, 48, 457-463.	0.5	42
79	BaMn[CO ₃] ₂ – a previously unrecognized double carbonate in low-temperature environments: Structural, spectroscopic, and textural tools for future identification. Chemie Der Erde, 2012, 72, 85-89.	0.8	14
80	Isotopic and microbiological signatures of pyrite-driven denitrification in a sandy aquifer. Chemical Geology, 2012, 300-301, 123-132.	1.4	74
81	Mo isotope and trace element patterns of Lower Cambrian black shales in South China: Multi-proxy constraints on the paleoenvironment. Chemical Geology, 2012, 318-319, 45-59.	1.4	146
82	Early diagenesis of sulfur in a tropical upwelling system, Cabo Frio, southeastern Brazil. Geology, 2012, 40, 879-882.	2.0	19
83	Estimation of biogeochemical rates from concentration profiles: A novel inverse method. Estuarine, Coastal and Shelf Science, 2012, 100, 26-37.	0.9	32
84	A comparative study of manganese dynamics in the water column and sediments of intertidal systems of the North Sea. Estuarine, Coastal and Shelf Science, 2012, 100, 3-17.	0.9	54
85	Sulfur Cycle. Encyclopedia of Earth Sciences Series, 2011, , 859-864.	0.1	4
86	Molybdenum isotope fractionation in pelagic euxinia: Evidence from the modern Black and Baltic Seas. Chemical Geology, 2011, 289, 1-11.	1.4	174
87	Imprint of past and present environmental conditions on microbiology and biogeochemistry of coastal Quaternary sediments. Biogeosciences, 2011, 8, 55-68.	1.3	25
88	Sulfur Isotopes. Encyclopedia of Earth Sciences Series, 2011, , 864-866.	0.1	1
89	Manganese (Sedimentary Carbonates and Sulfides). Encyclopedia of Earth Sciences Series, 2011, , 541-542.	0.1	0
90	Environmental changes in the Pearl River Estuary (China) as reflected by light stable isotopes and organic contaminants. Journal of Marine Systems, 2010, 82, S43-S53.	0.9	20

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91	Origin of Mineralizing Fluids of the Sediment-Hosted Navachab Gold Mine, Namibia: Constraints from Stable (O, H, C, S) Isotopes. <i>Economic Geology</i> , 2010, 105, 285-302.	1.8	22
92	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
93	An integrated biomarker, isotopic and palaeoenvironmental study through the Late Permian event at Lusitaniadalen, Spitsbergen. <i>Earth and Planetary Science Letters</i> , 2010, 291, 84-96.	1.8	109
94	Significance of $\delta^{13}\text{C}$ kerogen, $\delta^{13}\text{C}$ kerogen and $\delta^{34}\text{S}$ pyrite from several Permian/Triassic (P/Tr) sections. <i>Earth and Planetary Science Letters</i> , 2010, 295, 21-29.	1.8	35
95	Barium isotope fractionation in the global barium cycle: First evidence from barium minerals and precipitation experiments. <i>Chemical Geology</i> , 2010, 277, 70-77.	1.4	118
96	Preface to the Special Issue on "Stable Isotopes in Biogeosciences III": <i>Organic Geochemistry</i> , 2010, 41, 1-2.	0.9	0
97	Experimental investigation of sulphur isotope partitioning during outgassing of hydrogen sulphide from diluted aqueous solutions and seawater. <i>Isotopes in Environmental and Health Studies</i> , 2010, 46, 444-453.	0.5	14
98	Functioning of intertidal flats inferred from temporal and spatial dynamics of O ₂ , H ₂ S and pH in their surface sediment. <i>Ocean Dynamics</i> , 2009, 59, 317-332.	0.9	70
99	Seasonal dynamics of microbial sulfate reduction in temperate intertidal surface sediments: controls by temperature and organic matter. <i>Ocean Dynamics</i> , 2009, 59, 351-370.	0.9	73
100	Trace metal dynamics in the water column and pore waters in a temperate tidal system: response to the fate of algae-derived organic matter. <i>Ocean Dynamics</i> , 2009, 59, 333-350.	0.9	51
101	Paleo-redox conditions during OAE 2 reflected in Demerara Rise sediment geochemistry (ODP Leg 207). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 273, 302-328.	1.0	172
102	Preface to the special issue on "Stable Isotopes in Biogeosciences II": <i>Organic Geochemistry</i> , 2008, 39, 1647-1648.	0.9	2
103	Biogeochemistry of sulfur and iron in Thioploca-colonized surface sediments in the upwelling area off central Chile. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 827-843.	1.6	73
104	Sulfidity controls molybdenum isotope fractionation into euxinic sediments: Evidence from the modern Black Sea. <i>Geology</i> , 2008, 36, 775.	2.0	252
105	Oxygen isotope biogeochemistry of pore water sulfate in the deep biosphere: Dominance of isotope exchange reactions with ambient water during microbial sulfate reduction (ODP Site 1130). <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4221-4232.	1.6	121
106	Geomicrobiological and geochemical investigation of a pyrrhotite-containing mine waste tailings dam near Selebi-Phikwe in Botswana. <i>Journal of Geochemical Exploration</i> , 2007, 92, 151-158.	1.5	30
107	Title is missing!. <i>Organic Geochemistry</i> , 2006, 37, 1197-1199.	0.9	8
108	Transport and mineralization rates in North Sea sandy intertidal sediments, Sylt-Rømø Basin, Wadden Sea. <i>Limnology and Oceanography</i> , 2005, 50, 113-127.	1.6	188

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109	Diversity and vertical distribution of magnetotactic bacteria along chemical gradients in freshwater microcosms. <i>FEMS Microbiology Ecology</i> , 2005, 52, 185-195.	1.3	127
110	34S/32S and 18O/16O Fractionation During Sulfur Disproportionation by <i>Desulfobulbus propionicus</i> . <i>Geomicrobiology Journal</i> , 2005, 22, 219-226.	1.0	84
111	Photic Zone Euxinia During the Permian-Triassic Superanoxic Event. <i>Science</i> , 2005, 307, 706-709.	6.0	721
112	Intense pyrite formation under low-sulfate conditions in the Achterwasser lagoon, SW Baltic Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3619-3630.	1.6	54
113	Microbial sulfate reduction in deep sediments of the Southwest Pacific (ODP Leg 181, Sites 1119-1125): evidence from stable sulfur isotope fractionation and pore water modeling. <i>Marine Geology</i> , 2004, 205, 249-260.	0.9	35
114	Stable isotope biogeochemistry of the sulfur cycle in modern marine sediments: I. seasonal dynamics in a temperate intertidal sandy surface sediment. <i>Isotopes in Environmental and Health Studies</i> , 2004, 40, 267-283.	0.5	25
115	Anaerobic methane oxidation and a deep H ₂ S sink generate isotopically heavy sulfides in Black Sea sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2095-2118.	1.6	341
116	Geochemistry of Peruvian near-surface sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4429-4451.	1.6	326
117	Sulfur isotope partitioning during experimental formation of pyrite via the polysulfide and hydrogen sulfide pathways: implications for the interpretation of sedimentary and hydrothermal pyrite isotope records. <i>Earth and Planetary Science Letters</i> , 2004, 228, 495-509.	1.8	119
118	Pyritization processes and greigite formation in the advancing sulfidization front in the upper Pleistocene sediments of the Black Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2081-2093.	1.6	149
119	The Role of a Transcrustal Shear Zone in Orogenic Gold Mineralization at the Ajjanahalli Mine, Dharwar Craton, South India. <i>Economic Geology</i> , 2004, 99, 743-759.	1.8	34
120	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
121	Sulfur isotope geochemistry of the Black Sea water column. <i>Chemical Geology</i> , 2003, 200, 59-69.	1.4	52
122	Community structure and activity of sulfate-reducing bacteria in an intertidal surface sediment: a multi-method approach. <i>Aquatic Microbial Ecology</i> , 2002, 29, 211-226.	0.9	111
123	Trace metals in Holocene coastal peats and their relation to pyrite formation (NW Germany). <i>Chemical Geology</i> , 2002, 182, 423-442.	1.4	75
124	GEOCHEMICAL CHARACTERIZATION OF CENOMANIAN/TURONIAN BLACK SHALES FROM THE TARFAYA BASIN (SW MOROCCO). RELATIONSHIPS BETWEEN PALAEOENVIRONMENTAL CONDITIONS AND EARLY SULPHURIZATION OF SEDIMENTARY ORGANIC MATTER. <i>Journal of Petroleum Geology</i> , 2002, 25, 325-350.	0.9	75
125	A sulfur budget for the Black Sea anoxic zone. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2001, 48, 2569-2593.	0.6	95
126	Anaerobic sulfide oxidation and stable isotope fractionation associated with bacterial sulfur disproportionation in the presence of MnO ₂ . <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 1573-1581.	1.6	128

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127	Oxygen and sulfur isotope fractionation during anaerobic bacterial disproportionation of elemental sulfur. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 1601-1609.	1.6	225
128	Sulfur Isotope Fractionation in the Biogeochemical Sulfur Cycle of Marine Sediments. <i>Isotopes in Environmental and Health Studies</i> , 2001, 37, 97-99.	0.5	3
129	Sulfur and iron speciation in surface sediments along the northwestern margin of the Black Sea. <i>Marine Chemistry</i> , 2001, 74, 261-278.	0.9	102
130	Hypersulfidic deep biosphere indicates extreme sulfur isotope fractionation during single-step microbial sulfate reduction. <i>Geology</i> , 2001, 29, 647.	2.0	257
131	Biogeochemistry of sulfur in a sediment core from the west-central Baltic Sea: Evidence from stable isotopes and pyrite textures. <i>Journal of Marine Systems</i> , 2000, 25, 299-312.	0.9	88
132	Stable sulfur isotope fractionation during the reduction of thiosulfate by <i>Dethiosulfovibrio russensis</i> . <i>Archives of Microbiology</i> , 2000, 174, 448-451.	1.0	18
133	Molecular and isotopic characterization of organic matter in recent and sub-recent sediments from the Dead Sea. <i>Organic Geochemistry</i> , 2000, 31, 251-265.	0.9	32
134	The biogeochemistry, stable isotope geochemistry, and microbial community structure of a temperate intertidal mudflat: an integrated study. <i>Continental Shelf Research</i> , 2000, 20, 1749-1769.	0.9	106
135	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
136	Modes of sapropel formation in the eastern Mediterranean: some constraints based on pyrite properties. <i>Marine Geology</i> , 1999, 153, 199-219.	0.9	92
137	Sulphidic Mediterranean surface waters during Pliocene sapropel formation. <i>Nature</i> , 1999, 397, 146-149.	13.7	167
138	Title is missing!. <i>Aquatic Geochemistry</i> , 1999, 5, 99-118.	1.5	37
139	Fractionation of sulfur isotopes during dissimilatory reduction of sulfate by a thermophilic gram-negative bacterium at 60 Å°C. <i>Archives of Microbiology</i> , 1999, 172, 125-128.	1.0	42
140	The Stable Isotopic Geochemistry of the Sulfur and Carbon Cycles in a Modern Karst Environment. <i>Isotopes in Environmental and Health Studies</i> , 1999, 35, 39-61.	0.5	21
141	A combined pathway of sulfur compound disproportionation in <i>Desulfovibrio desulfuricans</i> . <i>FEMS Microbiology Letters</i> , 1998, 166, 181-186.	0.7	127
142	Fractionation of sulfur isotopes during thiosulfate reduction by <i>Desulfovibrio desulfuricans</i> . <i>Archives of Microbiology</i> , 1998, 169, 460-463.	1.0	39
143	Manganese(II) partitioning during experimental precipitation of rhodochrosite from calcite solid solutions from aqueous solutions. <i>Marine Chemistry</i> , 1998, 62, 287-297.	0.9	67
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146	Sulfur isotope fractionation during experimental precipitation of iron(II) and manganese(II) sulfide at room temperature. <i>Chemical Geology</i> , 1998, 146, 127-134.	1.4	98
147	Methane-Derived Carbonates in a Native Sulfur Deposit: Stable Isotope and Trace Element Discriminations Related to the Transformation of Aragonite to Calcite. <i>Isotopes in Environmental and Health Studies</i> , 1998, 34, 177-190.	0.5	12
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152	Comment on "solid solution partitioning of Sr ²⁺ , Ba ²⁺ , and Cd ²⁺ to calcite" by A. J. Tesoriero and J. F. Pankow. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 661-662.	1.6	24
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