

# Michael E BÄŕttcher

## List of Publications by Year in descending order

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163  
papers

9,428  
citations

38742

50  
h-index

43889

91  
g-index

202  
all docs

202  
docs citations

202  
times ranked

7954  
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.	3.3	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, .	1.2	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.	4.4	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.	1.0	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.	1.7	11
6	BaFe[CO <sub>3</sub> ] <sub>2</sub> , a new double carbonate: Synthesis, structural characterisation, and geostability implications for high and low PT. <i>Chemie Der Erde</i> , 2021, 81, 125740.	2.0	3
7	Hydrogeochemistry of near-surface groundwater on a developing barrier island (Spiekeroog). <i>Journal of Hydrology</i> , 2021, 594, 270-284.	5.4	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.	5.0	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.	3.9	16
10	Calcification-driven CO <sub>2</sub> emissions exceed “Blue Carbon” sequestration in a carbonate seagrass meadow. <i>Science Advances</i> , 2021, 7, eabj1372.	10.3	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.	6.0	17
12	Calcium isotope fractionation upon experimental apatite formation. <i>Chemical Geology</i> , 2020, 551, 119737.	3.3	5
13	Microbial life in the nascent Chicxulub crater. <i>Geology</i> , 2020, 48, 328-332.	4.4	40
14	Holocene Hydrographic Variations From the Baltic–North Sea Transitional Area (IODP Site M0059). <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003722.	2.9	8
15	The impact of intertidal areas on the carbonate system of the southern North Sea. <i>Biogeosciences</i> , 2020, 17, 4223-4245.	3.3	3
16	Aragonite–calcite veins of the “Erzberg” iron ore deposit (Austria): Environmental implications from young fractures. <i>Sedimentology</i> , 2019, 66, 604-635.	3.1	11
17	Modeling of biogeochemical processes in a barrier island freshwater lens (Spiekeroog, Germany). <i>Journal of Hydrology</i> , 2019, 575, 1133-1144.	5.4	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.	2.1	35

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19	Sulphur and carbon isotopes as tracers of past sub-seafloor microbial activity. Scientific Reports, 2019, 9, 604.	3.3	19
20	Sulfate deprivation triggers high methane production in a disturbed and rewetted coastal peatland. Biogeosciences, 2019, 16, 1937-1953.	3.3	29
21	Ecological ReGional Ocean Model with vertically resolved sediments (ERGOMÂSEDÂ1.0): coupling benthic and pelagic biogeochemistry of the south-western Baltic Sea. Geoscientific Model Development, 2019, 12, 275-320.	3.6	14
22	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. Hydrological Sciences Journal, 2019, 64, 1141-1158.	2.6	474
23	Refining the temperature dependence of the oxygen and clumped isotopic compositions of structurally bound carbonate in apatite. Geochimica Et Cosmochimica Acta, 2019, 253, 19-38.	3.9	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. Science of the Total Environment, 2019, 649, 264-283.	8.0	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. Applied Geochemistry, 2018, 92, 196-208.	3.0	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. Isotopes in Environmental and Health Studies, 2018, 54, 324-335.	1.0	28
28	Multi-isotope (Ba, C, O) partitioning during experimental carbonatization of a hyper-alkaline solution. Chemie Der Erde, 2018, 78, 241-247.	2.0	19
29	Sedimentary trace element sinks in a tropical upwelling system. Journal of Soils and Sediments, 2018, 18, 287-296.	3.0	2
30	Predominance of methanogens over methanotrophs in rewetted fens characterized by high methane emissions. Biogeosciences, 2018, 15, 6519-6536.	3.3	38
31	Solute Reservoirs Reflect Variability of Early Diagenetic Processes in Temperate Brackish Surface Sediments. Frontiers in Marine Science, 2018, 5, .	2.5	12
32	Anaerobic methane oxidation inducing carbonate precipitation at abiogenic methane seeps in the Tuscan archipelago (Italy). PLoS ONE, 2018, 13, e0207305.	2.5	21
33	In Search of a Field-Based Relationship Between Benthic Macrofauna and Biogeochemistry in a Modern Brackish Coastal Sea. Frontiers in Marine Science, 2018, 5, .	2.5	15
34	Understanding the Coastal Ecocline: Assessing Sea–Land Interactions at Non-tidal, Low-Lying Coasts Through Interdisciplinary Research. Frontiers in Marine Science, 2018, 5, .	2.5	30
35	Earthquake-induced structural deformations enhance long-term solute fluxes from active volcanic systems. Scientific Reports, 2018, 8, 14809.	3.3	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. E3S Web of Conferences, 2018, 54, 00019.	0.5	2

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37	Effect of temperature rise and ocean acidification on growth of calcifying tubeworm shells (&lt;i>Spirorbis spirorbis&gt;): an in situ benthocosm approach. Biogeosciences, 2018, 15, 1425-1445.	3.3	6
38	Multiple sulfur isotopic evidence for the origin of elemental sulfur in an iron-dominated gas hydrate-bearing sedimentary environment. Marine Geology, 2018, 403, 271-284.	2.1	35
39	Carbon diagenesis in different sedimentary environments of the subtropical Beibu Gulf, South China Sea. Journal of Marine Systems, 2018, 186, 68-84.	2.1	12
40	Biogeochemical impact of submarine ground water discharge on coastal surface sands of the southern Baltic Sea. Estuarine, Coastal and Shelf Science, 2017, 189, 131-142.	2.1	27
41	Nitrogen Metabolism Genes from Temperate Marine Sediments. Marine Biotechnology, 2017, 19, 175-190.	2.4	30
42	Iron oxide reduction in methane-rich deep Baltic Sea sediments. Geochimica Et Cosmochimica Acta, 2017, 207, 256-276.	3.9	95
43	Potentially Active Iron, Sulfur, and Sulfate Reducing Bacteria in Skagerrak and Bothnian Bay Sediments. Geomicrobiology Journal, 2017, 34, 840-850.	2.0	28
44	Î <sup>34</sup> S character of organosulfur compounds in kerogen and bitumen fractions of sedimentary rocks. Organic Geochemistry, 2017, 110, 60-64.	1.8	14
45	Bladder wrack (<i>Fucus vesiculosus</i>) as a multi-isotope bio-monitor in an urbanized fjord of the western Baltic Sea. Isotopes in Environmental and Health Studies, 2017, 53, 563-579.	1.0	10
46	Characterisation and origin of hydrothermal waters at S�o Miguel (Azores) inferred by chemical and isotopic composition. Journal of Volcanology and Geothermal Research, 2017, 346, 104-117.	2.1	13
47	Cycling of redox-sensitive elements in a sandy subterranean estuary of the southern North Sea. Marine Chemistry, 2017, 188, 6-17.	2.3	42
48	Tales of mystery and imagination in stable isotope geochemistry: celebrating the 75th birthday of Jochen Hoefs. Isotopes in Environmental and Health Studies, 2016, 52, 1-11.	1.0	5
49	Clumped isotope thermometry of carbonate-bearing apatite: Revised sample pre-treatment, acid digestion, and temperature calibration. Chemical Geology, 2016, 443, 97-110.	3.3	26
50	Carbon sources in the North Sea evaluated by means of radium and stable carbon isotope tracers. Limnology and Oceanography, 2016, 61, 666-683.	3.1	29
51	Oxygen isotope fractionation in double carbonates. Isotopes in Environmental and Health Studies, 2016, 52, 29-46.	1.0	24
52	Bacterial communities potentially involved in iron-cycling in Baltic Sea and North Sea sediments revealed by pyrosequencing. FEMS Microbiology Ecology, 2016, 92, fiw054.	2.7	42
53	Constraints on barium isotope fractionation during aragonite precipitation by corals. Depositional Record, 2015, 1, 118-129.	1.7	44
54	A mesocosm concept for the simulation of near-natural shallow underwater climates: The Kiel Outdoor Benthocosms (KOB). Limnology and Oceanography: Methods, 2015, 13, 651-663.	2.0	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.	2.4	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.	2.6	24
57	Zygomycetes in Vesicular Basanites from Vesteris Seamount, Greenland Basin – A New Type of Cryptoendolithic Fungi. <i>PLoS ONE</i> , 2015, 10, e0133368.	2.5	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.	3.3	131
59	Molecular proxies as indicators of freshwater incursion-driven salinity stratification. <i>Chemical Geology</i> , 2015, 409, 61-68.	3.3	48
60	Microbiologically induced concrete corrosion: A case study from a combined sewer network. <i>Cement and Concrete Research</i> , 2015, 77, 16-25.	11.0	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.	6.0	52
62	$\delta^{17}\text{O}$ excess traces atmospheric nitrate in paleo-groundwater of the Saharan desert. <i>Biogeosciences</i> , 2014, 11, 3149-3161.	3.3	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.	3.3	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.	2.1	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.	2.1	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.	3.9	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.	1.3	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.	3.3	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.	0.3	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.	3.0	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 $\text{pCO}_2$ leading to Late Triassic extinction, persistent photic zone euxinia, and rising sea levels. <i>Geology</i> , 2013, 41, 955-958.	4.4	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.	1.0	0
75	Concrete under sulphate attack: an isotope study on sulphur sources. Isotopes in Environmental and Health Studies, 2012, 48, 105-117.	1.0	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.	1.0	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.	1.0	11
78	Barium isotope fractionation during experimental formation of the double carbonate BaMn[CO <sub>3</sub> ] <sub>2</sub> at ambient temperature. Isotopes in Environmental and Health Studies, 2012, 48, 457-463.	1.0	42
79	BaMn[CO <sub>3</sub> ] <sub>2</sub> – a previously unrecognized double carbonate in low-temperature environments: Structural, spectroscopic, and textural tools for future identification. Chemie Der Erde, 2012, 72, 85-89.	2.0	14
80	Isotopic and microbiological signatures of pyrite-driven denitrification in a sandy aquifer. Chemical Geology, 2012, 300-301, 123-132.	3.3	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.	3.3	146
82	Early diagenesis of sulfur in a tropical upwelling system, Cabo Frio, southeastern Brazil. Geology, 2012, 40, 879-882.	4.4	19
83	Estimation of biogeochemical rates from concentration profiles: A novel inverse method. Estuarine, Coastal and Shelf Science, 2012, 100, 26-37.	2.1	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.	2.1	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.	3.3	174
87	Imprint of past and present environmental conditions on microbiology and biogeochemistry of coastal Quaternary sediments. Biogeosciences, 2011, 8, 55-68.	3.3	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.	2.1	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.	3.8	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.	3.9	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.	4.4	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.	4.4	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.	3.3	118
96	Preface to the Special Issue on "Stable Isotopes in Biogeosciences III". <i>Organic Geochemistry</i> , 2010, 41, 1-2.	1.8	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.	1.0	14
98	Functioning of intertidal flats inferred from temporal and spatial dynamics of $\text{O}_2$ , $\text{H}_2\text{S}$ and pH in their surface sediment. <i>Ocean Dynamics</i> , 2009, 59, 317-332.	2.2	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.	2.2	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.	2.2	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.	2.3	172
102	Preface to the special issue on "Stable Isotopes in Biogeosciences II". <i>Organic Geochemistry</i> , 2008, 39, 1647-1648.	1.8	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.	3.9	73
104	Sulfidity controls molybdenum isotope fractionation into euxinic sediments: Evidence from the modern Black Sea. <i>Geology</i> , 2008, 36, 775.	4.4	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.	3.9	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.	3.2	30
107	Title is missing!. <i>Organic Geochemistry</i> , 2006, 37, 1197-1199.	1.8	8
108	Transport and mineralization rates in North Sea sandy intertidal sediments, Sylt-Rømme Basin, Wadden Sea. <i>Limnology and Oceanography</i> , 2005, 50, 113-127.	3.1	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.	2.7	127
110	34S/32S and 18O/16O Fractionation During Sulfur Disproportionation by <i>Desulfobulbus propionicus</i> . <i>Geomicrobiology Journal</i> , 2005, 22, 219-226.	2.0	84
111	Photic Zone Euxinia During the Permian-Triassic Superanoxic Event. <i>Science</i> , 2005, 307, 706-709.	12.6	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.	3.9	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.	2.1	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.	1.0	25
115	Anaerobic methane oxidation and a deep H <sub>2</sub> S sink generate isotopically heavy sulfides in Black Sea sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2095-2118.	3.9	341
116	Geochemistry of Peruvian near-surface sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4429-4451.	3.9	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.	4.4	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.	3.9	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.	3.8	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.	3.3	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.	1.8	111
123	Trace metals in Holocene coastal peats and their relation to pyrite formation (NW Germany). <i>Chemical Geology</i> , 2002, 182, 423-442.	3.3	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 MATTER1. <i>Journal of Petroleum Geology</i> , 2002, 25, 325-350.	1.5	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.	1.4	95
126	Anaerobic sulfide oxidation and stable isotope fractionation associated with bacterial sulfur disproportionation in the presence of MnO <sub>2</sub> . <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 1573-1581.	3.9	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.	3.9	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.	1.0	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.	2.3	102
130	Hypersulfidic deep biosphere indicates extreme sulfur isotope fractionation during single-step microbial sulfate reduction. <i>Geology</i> , 2001, 29, 647.	4.4	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.	2.1	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.	2.2	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.	1.8	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.	1.8	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.	1.4	34
136	Modes of sapropel formation in the eastern Mediterranean: some constraints based on pyrite properties. <i>Marine Geology</i> , 1999, 153, 199-219.	2.1	92
137	Sulphidic Mediterranean surface waters during Pliocene sapropel formation. <i>Nature</i> , 1999, 397, 146-149.	27.8	167
138	Title is missing!. <i>Aquatic Geochemistry</i> , 1999, 5, 99-118.	1.3	37
139	Fractionation of sulfur isotopes during dissimilatory reduction of sulfate by a thermophilic gram-negative bacterium at 60 °C. <i>Archives of Microbiology</i> , 1999, 172, 125-128.	2.2	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.	1.0	21
141	A combined pathway of sulfur compound disproportionation in <i>Desulfovibrio desulfuricans</i> . <i>FEMS Microbiology Letters</i> , 1998, 166, 181-186.	1.8	127
142	Fractionation of sulfur isotopes during thiosulfate reduction by <i>Desulfovibrio desulfuricans</i> . <i>Archives of Microbiology</i> , 1998, 169, 460-463.	2.2	39
143	Manganese(II) partitioning during experimental precipitation of rhodochrosite–calcite solid solutions from aqueous solutions. <i>Marine Chemistry</i> , 1998, 62, 287-297.	2.3	67
144	Sulfate reduction related to the early diagenetic degradation of organic matter and “black spot” formation in tidal sandflats of the German Wadden Sea (southern North Sea): stable isotope ( <sup>13</sup> C, <sup>34</sup> S). <i>Journal of Marine Research</i> , 1998, 56, 101-118.	0.0	10

#	ARTICLE	IF	CITATIONS
145	Recovery from black spots: results of a loading experiment in the Wadden Sea. Journal of Sea Research, 1998, 40, 205-219.	1.6	41
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