Caroline P Slomp

List of Publications by Year
in descending order

155 papers	11,214 citations	23567 58 h-index	33894 99 g-index
194 all docs	194 docs citations	194 times ranked	10286 citing authors

#	Article	IF	Citations
1	Sediments as a Source of Iron, Manganese, Cobalt and Nickel to Continental Shelf Waters (Louisiana,) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	6
2	Eutrophication and Deoxygenation Forcing of Marginal Marine Organic Carbon Burial During the PETM. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	7
3	Biogeochemical functioning of the Baltic Sea. Earth System Dynamics, 2022, 13, 633-685.	7.1	22
4	A historical record of benthic foraminifera in seasonally anoxic Lake Grevelingen, the Netherlands. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 599, 111057.	2.3	6
5	Enhanced phosphorus recycling during past oceanic anoxia amplified by low rates of apatite authigenesis. Science Advances, 2022, 8, .	10.3	11
6	Coastal hypoxia and eutrophication as key controls on benthic release and water column dynamics of iron and manganese. Limnology and Oceanography, 2021, 66, 807-826.	3.1	17
7	Enrichment of novel Verrucomicrobia, Bacteroidetes, and Krumholzibacteria in an oxygenâ€limited methaneâ€•and ironâ€fed bioreactor inoculated with Bothnian Sea sediments. MicrobiologyOpen, 2021, 10, e1175.	3.0	16
8	Anthropogenic and Environmental Constraints on the Microbial Methane Cycle in Coastal Sediments. Frontiers in Microbiology, 2021, 12, 631621.	3.5	62
9	Biogeochemical evolution and organic carbon deposition on the Northwestern European Shelf during the Toarcian Ocean Anoxic Event. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 565, 110191.	2.3	7
10	Phosphorus burial in vivianite-type minerals in methane-rich coastal sediments. Marine Chemistry, 2021, 231, 103948.	2.3	11
11	Coupled dynamics of iron, manganese, and phosphorus in brackish coastal sediments populated by cable bacteria. Limnology and Oceanography, 2021, 66, 2611-2631.	3.1	12
12	A sequential extraction procedure for particulate manganese and its application to coastal marine sediments. Chemical Geology, 2021, 584, 120538.	3.3	11
13	Microbial activity, methane production, and carbon storage in Early Holocene North Sea peats. Biogeosciences, 2021, 18, 5491-5511.	3.3	3
14	Ironâ€Phosphorus Feedbacks Drive Multidecadal Oscillations in Baltic Sea Hypoxia. Geophysical Research Letters, 2021, 48, e2021GL095908.	4.0	4
15	Factors regulating the coastal nutrient filter in the Baltic Sea. Ambio, 2020, 49, 1194-1210.	5.5	61
16	Microbial community composition and functional potential in Bothnian Sea sediments is linked to Fe and S dynamics and the quality of organic matter. Limnology and Oceanography, 2020, 65, S113.	3.1	22
17	Recovery from multiâ€millennial natural coastal hypoxia in the Stockholm Archipelago, Baltic Sea, terminated by modern human activity. Limnology and Oceanography, 2020, 65, 3085-3097.	3.1	6
18	Foraminiferal community response to seasonal anoxia in Lake Grevelingen (the Netherlands). Biogeosciences, 2020, 17, 1415-1435.	3.3	20

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19	Removal of phosphorus and nitrogen in sediments of the eutrophic Stockholm archipelago, Baltic Sea. Biogeosciences, 2020, 17, 2745-2766.	3.3	24
20	Understanding Environmental Changes in Temperate Coastal Seas: Linking Models of Benthic Fauna to Carbon and Nutrient Fluxes. Frontiers in Marine Science, 2020, 7, .	2.5	13
21	Enhanced Organic Carbon Burial in Sediments of Oxygen Minimum Zones Upon Ocean Deoxygenation. Frontiers in Marine Science, 2020, 6, .	2.5	22
22	Controls on the shuttling of manganese over the northwestern Black Sea shelf and its fate in the euxinic deep basin. Geochimica Et Cosmochimica Acta, 2020, 273, 177-204.	3.9	19
23	Biogeochemical impact of cable bacteria on coastal Black Sea sediment. Biogeosciences, 2020, 17, 5919-5938.	3.3	15
24	Sedimentary alkalinity generation and long-term alkalinity development in the Baltic Sea. Biogeosciences, 2019, 16, 437-456.	3.3	18
25	Abundance and Biogeochemical Impact of Cable Bacteria in Baltic Sea Sediments. Environmental Science & Technology, 2019, 53, 7494-7503.	10.0	43
26	A reply to the comment by Karlsson et al.. Limnology and Oceanography, 2019, 64, 1832-1833.	3.1	1
27	Mn/Ca ratios of Ammonia tepida as a proxy for seasonal coastal hypoxia. Chemical Geology, 2019, 518, 55-66.	3.3	7
28	The shelf-to-basin iron shuttle in the Black Sea revisited. Chemical Geology, 2019, 511, 314-341.	3.3	42
29	Impact of natural re-oxygenation on the sediment dynamics of manganese, iron and phosphorus in a euxinic Baltic Sea basin. Geochimica Et Cosmochimica Acta, 2019, 246, 174-196.	3.9	33
30	Turbidite deposition and diagenesis in the southwestern Black Sea: Implications for biogeochemical cycling in an anoxic basin. Marine Chemistry, 2019, 209, 48-61.	2.3	7
31	Phosphorus Cycling and Burial in Sediments of a Seasonally Hypoxic Marine Basin. Estuaries and Coasts, 2018, 41, 921-939.	2.2	13
32	Anthropogenic and climatic impacts on a coastal environment in the Baltic Sea over the last 1000 years. Anthropocene, 2018, 21, 66-79.	3.3	32
33	The hunt for the most-wanted chemolithoautotrophic spookmicrobes. FEMS Microbiology Ecology, 2018, 94, .	2.7	28
34	Methane Feedbacks to the Global Climate System in a Warmer World. Reviews of Geophysics, 2018, 56, 207-250.	23.0	354
35	Phosphorus dynamics in and below the redoxcline in the Black Sea and implications for phosphorus burial. Geochimica Et Cosmochimica Acta, 2018, 222, 685-703.	3.9	32
36	Holocene Refreshening and Reoxygenation of a Bothnian Sea Estuary Led to Enhanced Phosphorus Burial. Estuaries and Coasts, 2018, 41, 139-157.	2.2	12

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37	Controls on the onset and termination of past hypoxia in the Baltic Sea. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 490, 347-354.	2.3	17
38	Shelf hypoxia in response to global warming after the Cretaceous-Paleogene boundary impact. Geology, 2018, 46, 683-686.	4.4	32
39	Large variations in iron input to an oligotrophic Baltic Sea estuary: impact on sedimentary phosphorus burial. Biogeosciences, 2018, 15, 6979-6996.	3.3	37
40	Ocean Circulation in the Toarcian (Early Jurassic): A Key Control on Deoxygenation and Carbon Burial on the European Shelf. Paleoceanography and Paleoclimatology, 2018, 33, 994-1012.	2.9	59
41	Post-depositional formation of vivianite-type minerals alters sediment phosphorus records. Biogeosciences, 2018, 15, 861-883.	3.3	35
42	Hypoxia in the Holocene Baltic Sea: Comparing modern versus past intervals using sedimentary trace metals. Chemical Geology, 2018, 493, 478-490.	3.3	27
43	Mnâˆ•Ca intra- and inter-test variability in the benthic foraminifer <i>Ammonia tepida</i>. Biogeosciences, 2018, 15, 331-348.	3.3	33
44	Phosphorus burial in sediments of the sulfidic deep Black Sea: Key roles for adsorption by calcium carbonate and apatite authigenesis. Geochimica Et Cosmochimica Acta, 2017, 204, 140-158.	3.9	68
45	Iron oxide reduction in methane-rich deep Baltic Sea sediments. Geochimica Et Cosmochimica Acta, 2017, 207, 256-276.	3.9	95
46	Seasonal hypoxia was a natural feature of the coastal zone in the Little Belt, Denmark, during the past 8 ka. Marine Geology, 2017, 387, 45-57.	2.1	23
47	Anaerobic Methane-Oxidizing Microbial Community in a Coastal Marine Sediment: Anaerobic Methanotrophy Dominated by ANME-3. Microbial Ecology, 2017, 74, 608-622.	2.8	34
48	Efficiency of the coastal filter: Nitrogen and phosphorus removal in the Baltic Sea. Limnology and Oceanography, 2017, 62, S222.	3.1	118
49	Molybdenum dynamics in sediments of a seasonally-hypoxic coastal marine basin. Chemical Geology, 2017, 466, 627-640.	3.3	33
50	Sedimentary oxygen dynamics in a seasonally hypoxic basin. Limnology and Oceanography, 2017, 62, 452-473.	3.1	20
51	Reconstructing Holocene temperature and salinity variations in theÂwestern Baltic Sea region: a multi-proxy comparison from theÂLittleÂBelt (IODP ExpeditionÂ347, SiteÂM0059). Biogeosciences, 2017, 14, 5607-5632.	3.3	26
52	Anaerobic oxidation of methane alters sediment records of sulfur, iron and phosphorus in the Black Sea. Biogeosciences, 2016, 13, 5333-5355.	3.3	69
53	Ironâ€dependent anaerobic oxidation of methane in coastal surface sediments: Potential controls and impact. Limnology and Oceanography, 2016, 61, S267.	3.1	59
54	Impact of cable bacteria on sedimentary iron and manganese dynamics in a seasonally-hypoxic marine basin. Geochimica Et Cosmochimica Acta, 2016, 192, 49-69.	3.9	70

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55	Evolving coastal character of a Baltic Sea inlet during the Holocene shoreline regression: impact on coastal zone hypoxia. Journal of Paleolimnology, 2016, 55, 319-338.	1.6	21
56	Vivianite is a key sink for phosphorus in sediments of the Landsort Deep, an intermittently anoxic deep basin in the Baltic Sea. Chemical Geology, 2016, 438, 58-72.	3.3	80
57	Shelf-to-basin iron shuttling enhances vivianite formation in deep Baltic Sea sediments. Earth and Planetary Science Letters, 2016, 434, 241-251.	4.4	49
58	Cable Bacteria Control Ironâ€“Phosphorus Dynamics in Sediments of a Coastal Hypoxic Basin. Environmental Science & Technology, 2016, 50, 1227-1233.	10.0	112
59	Rapid Sediment Accumulation Results in High Methane Effluxes from Coastal Sediments. PLoS ONE, 2016, 11, e0161609.	2.5	67
60	Hypoxiaâ€driven variations in iron and manganese shuttling in the Baltic Sea over the past 8 kyr. Geochemistry, Geophysics, Geosystems, 2015, 16, 3754-3766.	2.5	45
61	Phylogenetic Characterization of Phosphatase-Expressing Bacterial Communities in Baltic Sea Sediments. Microbes and Environments, 2015, 30, 192-195.	1.6	4
62	The nitrogen isotope composition of sediments from the protoâ€North Atlantic during Oceanic Anoxic Event 2. Paleoceanography, 2015, 30, 923-937.	3.0	18
63	Are recent changes in sediment manganese sequestration in the euxinic basins of the Baltic Sea linked to the expansion of hypoxia?. Biogeosciences, 2015, 12, 4875-4894.	3.3	44
64	Biogeochemical processes and buffering capacity concurrently affect acidification in a seasonally hypoxic coastal marine basin. Biogeosciences, 2015, 12, 1561-1583.	3.3	75
65	Glacio-isostatic control on hypoxia in a high-latitude shelf basin. Geology, 2015, 43, 427-430.	4.4	28
66	Vivianite is a major sink for phosphorus in methanogenic coastal surface sediments. Geochimica Et Cosmochimica Acta, 2015, 169, 217-235.	3.9	128
67	Cable bacteria generate a firewall against euxinia in seasonally hypoxic basins. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13278-13283.	7.1	130
68	Iron-Mediated Anaerobic Oxidation of Methane in Brackish Coastal Sediments. Environmental Science & Technology, 2015, 49, 277-283.	10.0	230
69	Characterization of phosphorus species in sediments from the Arabian Sea oxygen minimum zone: Combining sequential extractions and X-ray spectroscopy. Marine Chemistry, 2015, 168, 1-8.	2.3	32
70	Effect of Redox Conditions on Bacterial Community Structure in Baltic Sea Sediments with Contrasting Phosphorus Fluxes. PLoS ONE, 2014, 9, e92401.	2.5	12
71	Rapid and Extensive Alteration of Phosphorus Speciation during Oxic Storage of Wet Sediment Samples. PLoS ONE, 2014, 9, e96859.	2.5	26
72	Eutrophication-Driven Deoxygenation in the Coastal Ocean. Oceanography, 2014, 27, 172-183.	1.0	245

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73	Biogeochemistry of the North Atlantic during oceanic anoxic event 2: role of changes in ocean circulation and phosphorus input. Biogeosciences, 2014, 11, 977-993.	3.3	23
74	Warming, euxinia and sea level rise during the Paleoceneâ€“Eocene Thermal Maximum on the Gulf Coastal Plain: implications for ocean oxygenation and nutrient cycling. Climate of the Past, 2014, 10, 1421-1439.	3.4	115
75	Hypoxia in the Baltic Sea: Biogeochemical Cycles, Benthic Fauna, and Management. Ambio, 2014, 43, 26-36.	5.5	158
76	Redox-dependent changes in manganese speciation in Baltic Sea sediments from the Holocene Thermal Maximum: An EXAFS, XANES and LA-ICP-MS study. Chemical Geology, 2014, 370, 49-57.	3.3	40
77	Hypoxia Sustains Cyanobacteria Blooms in the Baltic Sea. Environmental Science & Technology, 2014, 48, 2598-2602.	10.0	109
78	A perturbed hydrological cycle during Oceanic Anoxic Event 2. Geology, 2014, 42, 123-126.	4.4	94
79	Enhanced N2-fixation and NH4+ recycling during oceanic anoxic event 2 in the proto-North Atlantic. Geochemistry, Geophysics, Geosystems, 2014, 15, 4064-4078.	2.5	6
80	Spatial extent and degree of oxygen depletion in the deep protoâ€‹<scp>N</scp>orth <scp>A</scp>tlantic basin during <scp>O</scp>ceanic <scp>A</scp>noxic <scp>E</scp>vent 2. Geochemistry, Geophysics, Geosystems, 2014, 15, 4254-4266.	2.5	35
81	Are Iron-Phosphate Minerals a Sink for Phosphorus in Anoxic Black Sea Sediments?. PLoS ONE, 2014, 9, e101139.	2.5	45
82	Does microbial stoichiometry modulate eutrophication of aquatic ecosystems?. Environmental Microbiology, 2013, 15, 1572-1579.	3.8	16
83	Iron and manganese shuttles control the formation of authigenic phosphorus minerals in the euxinic basins of the Baltic Sea. Geochimica Et Cosmochimica Acta, 2013, 107, 155-169.	3.9	143
84	Model-Based Integration and Analysis of Biogeochemical and Isotopic Dynamics in a Nitrate-Polluted Pyritic Aquifer. Environmental Science & Technology, 2013, 47, 130909083606007.	10.0	10
85	Global trends and uncertainties in terrestrial denitrification and N ₂ O emissions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130112.	4.0	205
86	Rapid high-amplitude variability in Baltic Sea hypoxia during the Holocene. Geology, 2013, 41, 1183-1186.	4.4	64
87	Reconstructing the history of euxinia in a coastal sea. Geology, 2013, 41, 523-524.	4.4	10
88	Glacial-interglacial variability in ocean oxygen and phosphorus in a global biogeochemical model. Biogeosciences, 2013, 10, 945-958.	3.3	8
89	Coupled Dynamics of Iron and Phosphorus in Sediments of an Oligotrophic Coastal Basin and the Impact of Anaerobic Oxidation of Methane. PLoS ONE, 2013, 8, e62386.	2.5	123
90	Nutrient dynamics, transfer and retention along the aquatic continuum from land to ocean: towards integration of ecological and biogeochemical models. Biogeosciences, 2013, 10, 1-22.	3.3	177

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91	Global multi-scale segmentation of continental and coastal waters from the watersheds to the continental margins. Hydrology and Earth System Sciences, 2013, 17, 2029-2051.	4.9	157
92	Phosphorus diagenesis in deep-sea sediments: Sensitivity to water column conditions and global scale implications. Chemical Geology, 2012, 330-331, 127-139.	3.3	28
93	Isotopic and microbiological signatures of pyrite-driven denitrification in a sandy aquifer. Chemical Geology, 2012, 300-301, 123-132.	3.3	74
94	Sedimentary phosphorus and iron cycling in and below the oxygen minimum zone of the northern Arabian Sea. Biogeosciences, 2012, 9, 2603-2624.	3.3	95
95	A welcome can of worms? Hypoxia mitigation by an invasive species. Global Change Biology, 2012, 18, 422-434.	9.5	148
96	Long-term controls on ocean phosphorus and oxygen in a global biogeochemical model. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	4.9	32
97	Give more priority to phosphorus studies. Nature, 2011, 478, 459-459.	27.8	3
98	A quantitative reconstruction of organic matter and nutrient diagenesis in Mediterranean Sea sediments over the Holocene. Geochimica Et Cosmochimica Acta, 2011, 75, 5540-5558.	3.9	37
99	Nitrogen processes in coastal and marine ecosystems. , 2011, , 147-176.		22
100	Beyond the Fe-P-redox connection: preferential regeneration of phosphorus from organic matter as a key control on Baltic Sea nutrient cycles. Biogeosciences, 2011, 8, 1699-1720.	3.3	106
101	Sedimentary phosphorus dynamics and the evolution of bottomâ€water hypoxia: A coupled benthicâ€“pelagic model of a coastal system. Limnology and Oceanography, 2011, 56, 1075-1092.	3.1	125
102	Worldwide Typology of Nearshore Coastal Systems: Defining the Estuarine Filter of River Inputs to the Oceans. Estuaries and Coasts, 2011, 34, 441-458.	2.2	215
103	Tracking Baltic hypoxia and cod migration over millennia with natural tags. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E177-82.	7.1	116
104	Phosphorus Cycling in the Estuarine and Coastal Zones. , 2011, , 201-229.		32
105	Phosphatases relieve carbon limitation of microbial activity in Baltic Sea sediments along a redoxâ€gradient. Limnology and Oceanography, 2011, 56, 2018-2026.	3.1	63
106	Shelf erosion and submarine river canyons: implications for deep-sea oxygenation and ocean productivity during glaciation. Biogeosciences, 2010, 7, 1973-1982.	3.3	12
107	Impact of changes in river fluxes of silica on the global marine silicon cycle: a model comparison. Biogeosciences, 2010, 7, 441-453.	3.3	29
108	Evaluation of sinks and sources of CO₂ in the global coastal ocean using a spatiallyâ€explicit typology of estuaries and continental shelves. Geophysical Research Letters, 2010, 37, .	4.0	253

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109	Phosphorus recycling and burial in Baltic Sea sediments with contrasting redox conditions. Geochimica Et Cosmochimica Acta, 2010, 74, 1350-1362.	3.9	176
110	Sedimentary organic carbon to phosphorus ratios as a redox proxy in Quaternary records from the Mediterranean. Chemical Geology, 2010, 277, 167-177.	3.3	49
111	Phosphorus cycling from the margin to abyssal depths in the proto-Atlantic during oceanic anoxic event 2. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 295, 42-54.	2.3	68
112	Neglecting sinks for N₂O at the earth's surface: does it matter?. Journal of Integrative Environmental Sciences, 2010, 7, 79-87.	2.5	39
113	Geochemistry as an aid in archaeological prospection and site interpretation: current issues and research directions. Archaeological Prospection, 2009, 16, 35-51.	2.2	107
114	Modeling phosphorus cycling and carbon burial during Cretaceous Oceanic Anoxic Events. Earth and Planetary Science Letters, 2009, 286, 71-79.	4.4	65
115	Pyrite oxidation during sample storage determines phosphorus fractionation in carbonate-poor anoxic sediments. Geochimica Et Cosmochimica Acta, 2009, 73, 3277-3290.	3.9	75
116	Denitrification coupled to pyrite oxidation and changes in groundwater quality in a shallow sandy aquifer. Geochimica Et Cosmochimica Acta, 2009, 73, 6716-6726.	3.9	110
117	Geochemical and mineralogical investigation of domestic archaeological soil features at the Tiel-Passewaaij site, The Netherlands. Journal of Geochemical Exploration, 2009, 101, 155-165.	3.2	24
118	Effects of site lithology on geochemical signatures of human occupation in archaeological house plans in the Netherlands. Journal of Archaeological Science, 2009, 36, 1215-1228.	2.4	57
119	Anthropogenic perturbations of the silicon cycle at the global scale: Key role of the landâ€ocean transition. Global Biogeochemical Cycles, 2009, 23, .	4.9	158
120	Hypoxia-Related Processes in the Baltic Sea. Environmental Science & Technology, 2009, 43, 3412-3420.	10.0	470
121	Synchronous basin-wide formation and redox-controlled preservation of a Mediterranean sapropel. Nature Geoscience, 2008, 1, 606-610.	12.9	230
122	Glacialâ€interglacial variations in marine phosphorus cycling: Implications for ocean productivity. Global Biogeochemical Cycles, 2008, 22, .	4.9	29
123	Modeling biogeochemical processes in subterranean estuaries: Effect of flow dynamics and redox conditions on submarine groundwater discharge of nutrients. Water Resources Research, 2008, 44, .	4.2	58
124	Flow and nutrient dynamics in a subterranean estuary (Waquoit Bay, MA, USA): Field data and reactive transport modeling. Geochimica Et Cosmochimica Acta, 2008, 72, 3398-3412.	3.9	126
125	Potential nitrate removal in a coastal freshwater sediment (Haringvliet Lake, The Netherlands) and response to salinization. Water Research, 2007, 41, 3061-3068.	11.3	64
126	The global marine phosphorus cycle: sensitivity to oceanic circulation. Biogeosciences, 2007, 4, 155-171.	3.3	134

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127	Geochemistry of trace metals in a fresh water sediment: Field results and diagenetic modeling. Science of the Total Environment, 2007, 381, 263-279.	8.0	73
128	Modelling the geochemical fate and transport of wastewater-derived phosphorus in contrasting groundwater systems. Journal of Contaminant Hydrology, 2007, 92, 87-108.	3.3	57
129	Modeling nitrogen cycling in a coastal fresh water sediment. Hydrobiologia, 2007, 584, 27-36.	2.0	12
130	Modeling nitrogen cycling in a coastal fresh water sediment. , 2007, , 27-36.		0
131	Effects of the Santorini (Thera) eruption on manganese behavior in Holocene sediments of the eastern Mediterranean. Earth and Planetary Science Letters, 2006, 241, 188-201.	4.4	11
132	Organic matter mineralization in sediment of a coastal freshwater lake and response to salinization. Geochimica Et Cosmochimica Acta, 2006, 70, 2836-2855.	3.9	108
133	pH-Dependent iron oxide precipitation in a subterranean estuary. Journal of Geochemical Exploration, 2006, 88, 399-403.	3.2	86
134	Phyto_ and zooplankton paleofluxes during the deposition of sapropel S1 (eastern Mediterranean): Biogenic carbonate preservation and paleoecological implications. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 235, 8-27.	2.3	33
135	Fossil record of holococcoliths and selected hetero-holococcolith associations from the Mediterranean (Holoceneâ€“late Pleistocene): Evaluation of carbonate diagenesis and palaeoecologicalâ€“palaeocenographic implications. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 237, 191-212.	2.3	25
136	A MÃ¶ssbauer spectroscopic study of the iron redox transition in eastern Mediterranean sediments. Geochimica Et Cosmochimica Acta, 2005, 69, 441-453.	3.9	36
137	Abnormal carbonate diagenesis in Holoceneâ€“late Pleistocene sapropel-associated sediments from the Eastern Mediterranean; evidence from Emiliania huxleyi coccolith morphology. Marine Micropaleontology, 2004, 52, 217-240.	1.2	18
138	Controls on phosphorus regeneration and burial during formation of eastern Mediterranean sapropels. Marine Geology, 2004, 203, 141-159.	2.1	106
139	Florisphaera profundaand the origin and diagenesis of carbonate phases in eastern Mediterranean sapropel units. Paleoceanography, 2004, 19, n/a-n/a.	3.0	33
140	Nutrient inputs to the coastal ocean through submarine groundwater discharge: controls and potential impact. Journal of Hydrology, 2004, 295, 64-86.	5.4	780
141	Nanogoethite is the dominant reactive oxyhydroxide phase in lake and marine sediments. Geology, 2003, 31, 993.	4.4	261
142	Reactive-Transport modeling as a technique for understanding coupled biogeochemical processes in surface and subsurface environments. Geologie En Mijnbouw/Netherlands Journal of Geosciences, 2003, 82, 5-18.	0.9	23
143	Enhanced regeneration of phosphorus during formation of the most recent eastern Mediterranean sapropel (S1). Geochimica Et Cosmochimica Acta, 2002, 66, 1171-1184.	3.9	132
144	Authigenic P formation and reactive P burial in sediments of the NazarÃ© canyon on the Iberian margin (NE Atlantic). Marine Geology, 2002, 185, 379-392.	2.1	65

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145	Oxidation and Origin of Organic Matter in Surficial Eastern Mediterranean Hemipelagic Sediments. Aquatic Geochemistry, 2002, 8, 153-175.	1.3	55
146	Phosphogenesis and active phosphorite formation in sediments from the Arabian Sea oxygen minimum zone. Marine Geology, 2000, 169, 1-20.	2.1	120
147	The role of adsorption in sediment-water exchange of phosphate in North Sea continental margin sediments. Limnology and Oceanography, 1998, 43, 832-846.	3.1	147
148	Iron and manganese cycling in different sedimentary environments on the North Sea continental margin. Continental Shelf Research, 1997, 17, 1083-1117.	1.8	108
149	Phosphorus binding by poorly crystalline iron oxides in North Sea sediments. Marine Chemistry, 1996, 52, 55-73.	2.3	222
150	A key role for iron-bound phosphorus in authigenic apatite formation in North Atlantic continental platform sediments. Journal of Marine Research, 1996, 54, 1179-1205.	0.3	230
151	Sediment-water fluxes of inorganic nitrogen compounds along the transport route of organic matter in the North Sea. Ophelia, 1995, 41, 173-197.	0.3	79
152	The effect of deposition of organic matter on phosphorus dynamics in experimental marine sediment systems. Hydrobiologia, 1993, 253, 83-98.	2.0	14
153	Phosphate adsorption in oxidized marine sediments. Chemical Geology, 1993, 107, 477-480.	3.3	37
154	Nitrogen cycling in North Sea sediments: interaction of denitrification and nitrification in offshore and coastal areas. Marine Ecology - Progress Series, 1993, 101, 283-296.	1.9	89
155	Exchange catalysis during anaerobic methanotrophy revealed by 12CH2D2 and 13CH3D in methane. Geochemical Perspectives Letters, 0, , 26-30.	5.0	46