Eric Achterberg

List of Publications by Year
in descending order

297 papers	14,057 citations	16451 64 h-index	33894 99 g-index
332 all docs	332 docs citations	332 times ranked	12523 citing authors

#	Article	IF	Citations
1	Nutrient enrichment can increase the susceptibility of reef corals to bleaching. Nature Climate Change, 2013, 3, 160-164.	18.8	510
2	Large-scale distribution of Atlantic nitrogen fixation controlled by iron availability. Nature Geoscience, 2009, 2, 867-871.	12.9	396
3	The GEOTRACES Intermediate Data Product 2017. Chemical Geology, 2018, 493, 210-223.	3.3	257
4	Attenuation of sinking particulate organic carbon flux through the mesopelagic ocean. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1089-1094.	7.1	236
5	Hydroxamate Siderophores: Occurrence and Importance in the Atlantic Ocean. Environmental Science & Technology, 2008, 42, 8675-8680.	10.0	217
6	Phosphorus cycling in the North and South Atlantic Ocean subtropical gyres. Nature Geoscience, 2008, 1, 439-443.	12.9	212
7	The distribution and stabilisation of dissolved Fe in deep-sea hydrothermal plumes. Earth and Planetary Science Letters, 2008, 270, 157-167.	4.4	211
8	Relative influence of nitrogen and phosphorous availability on phytoplankton physiology and productivity in the oligotrophic subâ€tropical North Atlantic Ocean. Limnology and Oceanography, 2008, 53, 291-305.	3.1	206
9	Determination of nitrate and phosphate in seawater at nanomolar concentrations. TrAC - Trends in Analytical Chemistry, 2008, 27, 169-182.	11.4	204
10	Determination of iron in seawater. Analytica Chimica Acta, 2001, 442, 1-14.	5.4	195
11	Onset of recent rapid sea-level rise in the western Atlantic Ocean. Quaternary Science Reviews, 2005, 24, 2083-2100.	3.0	182
12	Dissolved silver measurements in seawater. TrAC - Trends in Analytical Chemistry, 2007, 26, 809-817.	11.4	176
13	Stripping voltammetry for the determination of trace metal speciation and in-situ measurements of trace metal distributions in marine waters. Analytica Chimica Acta, 1999, 400, 381-397.	5.4	174
14	Atmospheric iron deposition and sea-surface dissolved iron concentrations in the eastern Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2003, 50, 1339-1352.	1.4	172
15	Seabed foraging by Antarctic krill: Implications for stock assessment, benthoâ€pelagic coupling, and the vertical transfer of iron. Limnology and Oceanography, 2011, 56, 1411-1428.	3.1	171
16	Nutrient co-limitation at the boundary of an oceanic gyre. Nature, 2017, 551, 242-246.	27.8	169
17	The relative contribution of fast and slow sinking particles to ocean carbon export. Global Biogeochemical Cycles, 2012, 26, .	4.9	162
18	The fate of added iron during a mesoscale fertilisation experiment in the Southern Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2001, 48, 2703-2743.	1.4	160

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19	Determination of sub-nanomolar levels of iron in seawater using flow injection with chemiluminescence detection. Analytica Chimica Acta, 1998, 361, 189-200.	5.4	150
20	Differential effects of ocean acidification on growth and photosynthesis among phylotypes of Symbiodinium (Dinophyceae). Limnology and Oceanography, 2011, 56, 927-938.	3.1	148
21	Metal geochemistry in a mine-polluted estuarine system in Spain. Applied Geochemistry, 2003, 18, 1757-1771.	3.0	139
22	Ocean fertilization: a potential means of geoengineering?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 3919-3945.	3.4	138
23	Iron limits primary productivity during spring bloom development in the central North Atlantic. Global Change Biology, 2006, 12, 626-634.	9.5	134
24	Degree of oligotrophy controls the response of microbial plankton to Saharan dust. Limnology and Oceanography, 2010, 55, 2339-2352.	3.1	134
25	Automated preconcentration of Fe, Zn, Cu, Ni, Cd, Pb, Co, and Mn in seawater with analysis using high-resolution sector field inductively-coupled plasma mass spectrometry. Analytica Chimica Acta, 2017, 976, 1-13.	5.4	129
26	Production of siderophore type chelates by mixed bacterioplankton populations in nutrient enriched seawater incubations. Marine Chemistry, 2004, 88, 75-83.	2.3	125
27	Iron limitation of the postbloom phytoplankton communities in the Iceland Basin. Global Biogeochemical Cycles, 2009, 23, .	4.9	125
28	Speciation and cycling of trace metals in Esthwaite Water: A productive English lake with seasonal deep-water anoxia. Geochimica Et Cosmochimica Acta, 1997, 61, 5233-5253.	3.9	122
29	Trace metal and nutrient distribution in an extremely low pH (2.5) riverâ€“estuarine system, the Ria of Huelva (Southâ€“West Spain). Science of the Total Environment, 1999, 227, 73-83.	8.0	118
30	Metal biogeochemistry in the Tintoâ€“Odiel rivers (Southern Spain) and in the Gulf of Cadiz: a synthesis of the results of TOROS project. Continental Shelf Research, 2001, 21, 1961-1973.	1.8	116
31	Local adaptation constrains the distribution potential of heat-tolerant Symbiodinium from the Persian/Arabian Gulf. ISME Journal, 2015, 9, 2551-2560.	9.8	115
32	Review article: How does glacier discharge affect marine biogeochemistry and primary production in the Arctic?. Cryosphere, 2020, 14, 1347-1383.	3.9	114
33	Natural iron fertilization by the EyjafjallajÃ¶kull volcanic eruption. Geophysical Research Letters, 2013, 40, 921-926.	4.0	113
34	Seasonal ITCZ migration dynamically controls the location of the (sub)tropical Atlantic biogeochemical divide. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1438-1442.	7.1	107
35	Non-linear response of summertime marine productivity to increased meltwater discharge around Greenland. Nature Communications, 2018, 9, 3256.	12.8	107
36	The significance of the episodic nature of atmospheric deposition to Low Nutrient Low Chlorophyll regions. Global Biogeochemical Cycles, 2014, 28, 1179-1198.	4.9	106

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37	Efficient removal of recalcitrant deep-ocean dissolved organic matter during hydrothermalÂcirculation. Nature Geoscience, 2015, 8, 856-860.	12.9	104
38	In-line ultraviolet-digestion of natural water samples for trace metal determination using an automated voltammetric system. Analytica Chimica Acta, 1994, 291, 213-232.	5.4	97
39	Seasonal characteristics of tropical marine boundary layer air measured at the Cape Verde Atmospheric Observatory. Journal of Atmospheric Chemistry, 2010, 67, 87-140.	3.2	97
40	Metal behaviour in an estuary polluted by acid mine drainage: the role of particulate matter. Environmental Pollution, 2003, 121, 283-292.	7.5	95
41	The stabilisation and transportation of dissolved iron from high temperature hydrothermal vent systems. Earth and Planetary Science Letters, 2013, 375, 280-290.	4.4	91
42	Distribution of dissolved organic nutrients and their effect on export production over the Atlantic Ocean. Global Biogeochemical Cycles, 2009, 23, .	4.9	88
43	Zooplankton Gut Passage Mobilizes Lithogenic Iron for Ocean Productivity. Current Biology, 2016, 26, 2667-2673.	3.9	87
44	Influence of ocean acidification on the complexation of iron and copper by organic ligands in estuarine waters. Marine Chemistry, 2015, 177, 421-433.	2.3	85
45	Variation of the mixing state of Saharan dust particles with atmospheric transport. Atmospheric Environment, 2010, 44, 3135-3146.	4.1	82
46	Determination of dissolved organic carbon in seawater using high temperature catalytic oxidation techniques. TrAC - Trends in Analytical Chemistry, 2000, 19, 498-506.	11.4	81
47	Predominance of heavily calcified coccolithophores at low CaCO ₃ saturation during winter in the Bay of Biscay. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8845-8849.	7.1	81
48	Chemical speciation of chromium and nickel in the western Mediterranean. Deep-Sea Research Part II: Topical Studies in Oceanography, 1997, 44, 693-720.	1.4	80
49	Biogeochemistry of Fe and other trace elements (Al, Co, Ni) in the upper Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2002, 49, 605-636.	1.4	80
50	Effect of elevated CO₂ on organic matter pools and fluxes in a summer Baltic Sea plankton community. Biogeosciences, 2015, 12, 6181-6203.	3.3	79
51	Real-Time Monitoring of Picomolar Concentrations of Iron(II) in Marine Waters Using Automated Flow Injection-Chemiluminescence Instrumentation. Environmental Science & Technology, 2002, 36, 4600-4607.	10.0	77
52	Nitrogen and phosphorus coâ€limitation of bacterial productivity and growth in the oligotrophic subtropical North Atlantic. Limnology and Oceanography, 2008, 53, 824-834.	3.1	77
53	Global Observational Needs and Resources for Marine Biodiversity. Frontiers in Marine Science, 2019, 6, .	2.5	77
54	Isotopic composition of atmospheric nitrate in a tropical marine boundary layer. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17668-17673.	7.1	76

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55	Spatial and temporal development of phytoplankton iron stress in relation to bloom dynamics in the highâ€latitude North Atlantic Ocean. Limnology and Oceanography, 2013, 58, 533-545.	3.1	76
56	Toxic algal bloom induced by ocean acidification disrupts the pelagic food web. Nature Climate Change, 2018, 8, 1082-1086.	18.8	75
57	Comparison of sample storage protocols for the determination of nutrients in natural waters. Water Research, 2001, 35, 3670-3678.	11.3	74
58	Determination of dissolved organic nitrogen in natural waters using high-temperature catalytic oxidation. TrAC - Trends in Analytical Chemistry, 2003, 22, 819-827.	11.4	73
59	Evolving and Sustaining Ocean Best Practices and Standards for the Next Decade. Frontiers in Marine Science, 2019, 6, .	2.5	73
60	Seawater-pH measurements for ocean-acidification observations. TrAC - Trends in Analytical Chemistry, 2012, 40, 146-157.	11.4	72
61	Dissolved silver in European estuarine and coastal waters. Water Research, 2010, 44, 4204-4216.	11.3	71
62	Development of a colorimetric microfluidic pH sensor for autonomous seawater measurements. Analytica Chimica Acta, 2013, 786, 124-131.	5.4	70
63	Iron biogeochemistry across marine systems â€“ progress from the past decade. Biogeosciences, 2010, 7, 1075-1097.	3.3	69
64	Manganese co-limitation of phytoplankton growth and major nutrient drawdown in the Southern Ocean. Nature Communications, 2021, 12, 884.	12.8	68
65	Production of siderophore type chelates in Atlantic Ocean waters enriched with different carbon and nitrogen sources. Marine Chemistry, 2011, 124, 90-99.	2.3	67
66	What causes the inverse relationship between primary production and export efficiency in the Southern Ocean?. Geophysical Research Letters, 2016, 43, 4457-4466.	4.0	67
67	Automated voltammetric system for shipboard determination of metal speciation in sea water. Analytica Chimica Acta, 1994, 284, 463-471.	5.4	66
68	Influence of sorption processes by iron oxides and algae fixation on arsenic and phosphate cycle in an acidic estuary (Tinto river, Spain). Water Research, 2000, 34, 3222-3230.	11.3	66
69	Influence of Ocean Acidification on a Natural Winter-to-Summer Plankton Succession: First Insights from a Long-Term Mesocosm Study Draw Attention to Periods of Low Nutrient Concentrations. PLoS ONE, 2016, 11, e0159068.	2.5	64
70	Changes in iron speciation following a Saharan dust event in the tropical North Atlantic Ocean. Marine Chemistry, 2008, 110, 56-67.	2.3	63
71	A high performance microfluidic analyser for phosphate measurements in marine waters using the vanadomolybdate method. Talanta, 2013, 116, 382-387.	5.5	63
72	A Lab-On-Chip Phosphate Analyzer for Long-term In Situ Monitoring at Fixed Observatories: Optimization and Performance Evaluation in Estuarine and Oligotrophic Coastal Waters. Frontiers in Marine Science, 2017, 4, .	2.5	63

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73	UV digestion of seawater samples prior to the determination of copper using flow injection with chemiluminescence detection. Analytica Chimica Acta, 2001, 440, 27-36.	5.4	62
74	Marine Biogeochemistry of Iron. Environmental Chemistry, 2004, 1, 67.	1.5	61
75	PRODUCTION OF PHYTOCHELATINS AND GLUTATHIONE BY MARINE PHYTOPLANKTON IN RESPONSE TO METAL STRESS. Journal of Phycology, 2006, 42, 975-989.	2.3	61
76	A community-wide intercomparison exercise for the determination of dissolved iron in seawater. Marine Chemistry, 2006, 98, 81-99.	2.3	60
77	Iron limitation of microbial phosphorus acquisition in the tropical North Atlantic. Nature Communications, 2017, 8, 15465.	12.8	60
78	Impact of Los Frailes mine spill on riverine, estuarine and coastal waters in southern Spain. Water Research, 1999, 33, 3387-3394.	11.3	57
79	The Influence of Plankton Community Structure on Sinking Velocity and Remineralization Rate of Marine Aggregates. Global Biogeochemical Cycles, 2019, 33, 971-994.	4.9	56
80	Spread, Behavior, and Ecosystem Consequences of Conventional Munitions Compounds in Coastal Marine Waters. Frontiers in Marine Science, 2018, 5, .	2.5	55
81	Seasonal and spatial dynamics of iron availability in the Scotia Sea. Marine Chemistry, 2012, 130-131, 62-72.	2.3	54
82	Determination of cobalt and iron in estuarine and coastal waters using flow injection with chemiluminescence detection. Analyst, The, 2000, 125, 51-57.	3.5	52
83	Distributions of dissolved trace metals (Cd, Cu, Mn, Pb, Ag) in the southeastern Atlantic and the Southern Ocean. Biogeosciences, 2012, 9, 3231-3246.	3.3	51
84	Behaviour of chromium isotopes in the eastern sub-tropical Atlantic Oxygen Minimum Zone. Geochimica Et Cosmochimica Acta, 2018, 236, 41-59.	3.9	51
85	Distribution and redox speciation of dissolved iron on the European continental margin. Limnology and Oceanography, 2007, 52, 2530-2539.	3.1	50
86	Modeling the global emission, transport and deposition of trace elements associated with mineral dust. Biogeosciences, 2015, 12, 5771-5792.	3.3	49
87	Influence of Ocean Acidification and Deep Water Upwelling on Oligotrophic Plankton Communities in the Subtropical North Atlantic: Insights from an In situ Mesocosm Study. Frontiers in Marine Science, 2017, 4, .	2.5	49
88	Determination of phytochelatins and glutathione in phytoplankton from natural waters using HPLC with fluorescence detection. TrAC - Trends in Analytical Chemistry, 2006, 25, 133-142.	11.4	48
89	Distributions and seasonal variability of dissolved organic nitrogen in two estuaries in SW England. Marine Chemistry, 2008, 110, 153-164.	2.3	48
90	Fluxes and distribution of dissolved iron in the eastern (subâ€) tropical North Atlantic Ocean. Global Biogeochemical Cycles, 2012, 26, .	4.9	48

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91	Return of naturally sourced Pb to Atlantic surface waters. Nature Communications, 2016, 7, 12921.	12.8	47
92	Iron Biogeochemistry in the High Latitude North Atlantic Ocean. Scientific Reports, 2018, 8, 1283.	3.3	47
93	In-situ trace metal (Cd, Pb, Cu) speciation along the Po River plume (Northern Adriatic Sea) using submersible systems. Marine Chemistry, 2019, 212, 47-63.	2.3	46
94	Visualisation of natural aquatic colloids and particles ? a comparison of conventional high vacuum and environmental scanning electron microscopy. Journal of Environmental Monitoring, 2005, 7, 115.	2.1	45
95	Impact of atmospheric deposition on the contrasting iron biogeochemistry of the North and South Atlantic Ocean. Global Biogeochemical Cycles, 2013, 27, 1096-1107.	4.9	45
96	Coccolithophores on the north-west European shelf: calcification rates and environmental controls. Biogeosciences, 2014, 11, 3919-3940.	3.3	45
97	Benthic fluxes of trace metals in the Chukchi Sea and their transport into the Arctic Ocean. Marine Chemistry, 2019, 208, 43-55.	2.3	45
98	Plasticity in the proteome of Emiliania huxleyi <scp>CCMP</scp> 1516 to extremes of light is highly targeted. New Phytologist, 2013, 200, 61-73.	7.3	44
99	Chemistry and mineralogy of clay minerals in Asian and Saharan dusts and the implications for iron supply to the oceans. Atmospheric Chemistry and Physics, 2014, 14, 12415-12428.	4.9	44
100	Paired dissolved and particulate phase Cu isotope distributions in the South Atlantic. Chemical Geology, 2018, 502, 29-43.	3.3	44
101	Deep dissolved iron profiles in the eastern North Atlantic in relation to water masses. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	43
102	Silver nanoparticles coated with natural polysaccharides as models to study AgNP aggregation kinetics using UV-Visible spectrophotometry upon discharge in complex environments. Science of the Total Environment, 2016, 539, 7-16.	8.0	43
103	Realâ€time detection of reactive oxygen species generation by marine phytoplankton using flow injectionâ€"chemiluminescence. Limnology and Oceanography: Methods, 2009, 7, 706-715.	2.0	41
104	Aerosol time-series measurements over the tropical Northeast Atlantic Ocean: Dust sources, elemental composition and mineralogy. Marine Chemistry, 2015, 174, 103-119.	2.3	41
105	High resolution monitoring of dissolved Cu and Co in coastal surface waters of the Western North Sea. Continental Shelf Research, 2003, 23, 611-623.	1.8	39
106	The importance of shallow hydrothermal island arc systems in ocean biogeochemistry. Geophysical Research Letters, 2014, 41, 942-947.	4.0	39
107	Environmental controls on the biogeography of diazotrophy and Trichodesmium in the Atlantic Ocean. Global Biogeochemical Cycles, 2015, 29, 865-884.	4.9	39
108	Analysis of global surface ocean alkalinity to determine controlling processes. Marine Chemistry, 2015, 174, 46-57.	2.3	39

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109	Differential effects of nitrate, ammonium, and urea as N sources for microbial communities in the North Pacific Ocean. Limnology and Oceanography, 2017, 62, 2550-2574.	3.1	39
110	Towards improved monitoring of offshore carbon storage: A real-world field experiment detecting a controlled sub-seafloor CO2 release. International Journal of Greenhouse Gas Control, 2021, 106, 103237.	4.6	39
111	Sources and transport of dissolved iron and manganese along the continental margin of the Bay of Biscay. Biogeosciences, 2007, 4, 181-194.	3.3	38
112	Regulation of nitrous oxide production in low-oxygen waters off the coast of Peru. Biogeosciences, 2020, 17, 2263-2287.	3.3	38
113	Shipboard analytical intercomparison of dissolved iron in surface waters along a northâ€“south transect of the Atlantic Ocean. Marine Chemistry, 2003, 84, 19-34.	2.3	37
114	Influence of atmospheric inputs on the iron distribution in the subtropical North-East Atlantic Ocean. Marine Chemistry, 2007, 104, 186-202.	2.3	37
115	Phytoplankton responses and associated carbon cycling during shipboard carbonate chemistry manipulation experiments conducted around Northwest European shelf seas. Biogeosciences, 2014, 11, 4733-4752.	3.3	37
116	Hydrogen peroxide in deep waters from the Mediterranean Sea, South Atlantic and South Pacific Oceans. Scientific Reports, 2017, 7, 43436.	3.3	37
117	Interferences in the analysis of nanomolar concentrations of nitrate and phosphate in oceanic waters. Analytica Chimica Acta, 2010, 673, 109-116.	5.4	36
118	Physical and biogeochemical controls on the variability in surface pH and calcium carbonate saturation states in the Atlantic sectors of the Arctic and Southern Oceans. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 127, 7-27.	1.4	36
119	The distribution of dissolved Cu, Zn, Ni, Co and Cr in English coastal surface waters. Continental Shelf Research, 1999, 19, 537-558.	1.8	35
120	Effect of Model Ligands on Iron Redox Speciation in Natural Waters Using Flow Injection with Luminol Chemiluminescence Detection. Analytical Chemistry, 2005, 77, 1971-1978.	6.5	35
121	Investigation of iron(III) reduction and trace metal interferences in the determination of dissolved iron in seawater using flow injection with luminol chemiluminescence detection. Analytica Chimica Acta, 2009, 652, 259-265.	5.4	35
122	Analysis of dissolved metal fractions in coastal waters: An inter-comparison of five voltammetric in situ profiling (VIP) systems. Marine Chemistry, 2009, 114, 47-55.	2.3	35
123	Characterisation of iron binding ligands in seawater by reverse titration. Analytica Chimica Acta, 2013, 766, 53-60.	5.4	35
124	Ocean acidification impacts bacteriaâ€“phytoplankton coupling at low-nutrient conditions. Biogeosciences, 2017, 14, 1-15.	3.3	35
125	A versatile optode system for oxygen, carbon dioxide, and pH measurements in seawater with integrated battery and logger. Limnology and Oceanography: Methods, 2018, 16, 459-473.	2.0	35
126	Particulate phases are key in controlling dissolved iron concentrations in the (sub)tropical North Atlantic. Geophysical Research Letters, 2017, 44, 2377-2387.	4.0	34

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127	Developments in marine pCO2 measurement technology; towards sustained in situ observations. TrAC - Trends in Analytical Chemistry, 2017, 88, 53-61.	11.4	34
128	The biogeochemical impact of glacial meltwater from Southwest Greenland. Progress in Oceanography, 2019, 176, 102126.	3.2	34
129	Voltammetric in situ measurements of trace metals in coastal waters. TrAC - Trends in Analytical Chemistry, 2003, 22, 828-835.	11.4	33
130	The Cd isotope composition of atmospheric aerosols from the Tropical Atlantic Ocean. Geophysical Research Letters, 2017, 44, 2932-2940.	4.0	32
131	Mechanisms of dissolved and labile particulate iron supply to shelf waters and phytoplankton blooms off South Georgia, Southern Ocean. Biogeosciences, 2018, 15, 4973-4993.	3.3	32
132	H2S events in the Peruvian oxygen minimum zone facilitate enhanced dissolved Fe concentrations. Scientific Reports, 2018, 8, 12642.	3.3	32
133	Environmental Forcing of Nitrogen Fixation in the Eastern Tropical and Sub-Tropical North Atlantic Ocean. PLoS ONE, 2011, 6, e28989.	2.5	32
134	The determination of trace metals in estuarine and coastal waters using a voltammetric in situ profiling system. Analyst, The, 2003, 128, 734.	3.5	31
135	Effects of Metal Combinations on the Production of Phytochelatins and Glutathione by the Marine Diatom Phaeodactylum tricornutum. BioMetals, 2006, 19, 51-60.	4.1	31
136	Characterisation and deployment of an immobilised pH sensor spot towards surface ocean pH measurements. Analytica Chimica Acta, 2015, 897, 69-80.	5.4	30
137	Influence of Ocean Acidification on the Organic Complexation of Iron and Copper in Northwest European Shelf Seas; a Combined Observational and Model Study. Frontiers in Marine Science, 2016, 3, .	2.5	30
138	On the influence of marine biogeochemical processes over CO2 exchange between the atmosphere and ocean. Marine Chemistry, 2018, 199, 1-11.	2.3	30
139	Effect of enhanced <i>p</i>CO₂ levels on the production of dissolved organic carbon and transparent exopolymer particles in short-term bioassay experiments. Biogeosciences, 2014, 11, 3695-3706.	3.3	29
140	Quantification of munition compounds in the marine environment by solid phase extraction â€“ ultra high performance liquid chromatography with detection by electrospray ionisation â€“ mass spectrometry. Talanta, 2019, 200, 366-372.	5.5	29
141	On-line voltammetric monitoring of dissolved Cu and Ni in the Gulf of Cadiz, south-west Spain. Analytica Chimica Acta, 1998, 377, 205-215.	5.4	28
142	Distribution of size fractionated dissolved iron in the Canary Basin. Marine Environmental Research, 2010, 70, 46-55.	2.5	28
143	Atmospheric deposition fluxes over the Atlantic Ocean: a GEOTRACES case study. Biogeosciences, 2019, 16, 1525-1542.	3.3	28
144	In Situ Measurements of Explosive Compound Dissolution Fluxes from Exposed Munition Material in the Baltic Sea. Environmental Science & Technology, 2019, 53, 5652-5660.	10.0	28

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145	Highly variable iron content modulates iceberg-ocean fertilisation and potential carbon export. Nature Communications, 2019, 10, 5261.	12.8	28
146	High temporal and spatial resolution environmental monitoring using flow injection with spectroscopic detection. TrAC - Trends in Analytical Chemistry, 2002, 21, 233-239.	11.4	27
147	Collisionâ€induced dissociation of three groups of hydroxamate siderophores: ferrioxamines, ferrichromes and coprogens/fusigens. Rapid Communications in Mass Spectrometry, 2008, 22, 2195-2202.	1.5	27
148	Sources of dissolved iron to oxygen minimum zone waters on the Senegalese continental margin in the tropical North Atlantic Ocean: Insights from iron isotopes. Geochimica Et Cosmochimica Acta, 2018, 236, 60-78.	3.9	27
149	Species Kinetics and Heterogeneous Reactivity of Dissolved Cu in Natural Freshwaters. Environmental Science & Technology, 2002, 36, 914-920.	10.0	26
150	Colloidal Metals in the Tamar Estuary and their Influence on Metal Fractionation by Membrane Filtration. Environmental Chemistry, 2006, 3, 199.	1.5	26
151	Contrasting effects of temperature and winter mixing on the seasonal and inter-annual variability of the carbonate system in the Northeast Atlantic Ocean. Biogeosciences, 2010, 7, 1481-1492.	3.3	26
152	Intercomparison of carbonate chemistry measurements on a cruise in northwestern European shelf seas. Biogeosciences, 2014, 11, 4339-4355.	3.3	26
153	Anthropogenic Signatures of Lead in the Northeast Atlantic. Geophysical Research Letters, 2018, 45, 2734-2743.	4.0	26
154	Influence of pH and Dissolved Organic Matter on Iron Speciation and Apparent Iron Solubility in the Peruvian Shelf and Slope Region. Environmental Science & Technology, 2021, 55, 9372-9383.	10.0	26
155	Dissolved iron(III) speciation in the high latitude North Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2011, 58, 1049-1059.	1.4	25
156	No observed effect of ocean acidification on nitrogen biogeochemistry in a summer Baltic Sea plankton community. Biogeosciences, 2016, 13, 3901-3913.	3.3	25
157	Unprecedented Fe delivery from the Congo River margin to the South Atlantic Gyre. Nature Communications, 2020, 11, 556.	12.8	25
158	Nutrient coâ€limitation in the subtropical Northwest Pacific. Limnology and Oceanography Letters, 2022, 7, 52-61.	3.9	25
159	Automated monitoring of Ni, Cu and Zn in the Irish Sea. Marine Pollution Bulletin, 1996, 32, 471-479.	5.0	24
160	Effect of polymer coating composition on the aggregation rates of Ag nanoparticles in NaCl solutions and seawaters. Science of the Total Environment, 2018, 631-632, 1153-1162.	8.0	24
161	Concentrations and Uptake of Dissolved Organic Phosphorus Compounds in the Baltic Sea. Frontiers in Marine Science, 2018, 5, .	2.5	24
162	The Great Barrier Reef: A source of CO2 to the atmosphere. Marine Chemistry, 2019, 210, 24-33.	2.3	24

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163	A ventilationâ€based framework to explain the regenerationâ€scavenging balance of iron in the ocean. Geophysical Research Letters, 2014, 41, 7227-7236.	4.0	23
164	Seasonal iron depletion in temperate shelf seas. Geophysical Research Letters, 2017, 44, 8987-8996.	4.0	23
165	Importance of Cadmium Sulfides for Biogeochemical Cycling of Cd and Its Isotopes in Oxygen Deficient Zonesâ€"A Case Study of the Angola Basin. Global Biogeochemical Cycles, 2019, 33, 1746-1763.	4.9	23
166	The influence of Arctic Fe and Atlantic fixed N on summertime primary production in Fram Strait, North Greenland Sea. Scientific Reports, 2020, 10, 15230.	3.3	23
167	Response of Subtropical Phytoplankton Communities to Ocean Acidification Under Oligotrophic Conditions and During Nutrient Fertilization. Frontiers in Marine Science, 2018, 5, .	2.5	22
168	Toward a Harmonization for Using in situ Nutrient Sensors in the Marine Environment. Frontiers in Marine Science, 2020, 6, .	2.5	22
169	Acid-base properties of dissolved organic matter extracted from the marine environment. Science of the Total Environment, 2020, 729, 138437.	8.0	22
170	The ion chromatographic separation of high valence metal cations using a neutral polystyrene resin dynamically modified with dipicolinic acid. Analyst, The, 2000, 125, 2157-2159.	3.5	21
171	Distributions of particulate Hemebin the Atlantic and Southern Oceans-Implications for electron transport in phytoplankton. Global Biogeochemical Cycles, 2013, 27, 1072-1082.	4.9	21
172	An assessment of the vertical diffusive flux of iron and other nutrients to the surface waters of the subpolar North Atlantic Ocean. Biogeosciences, 2014, 11, 2113-2130.	3.3	21
173	Toward a Quality-Controlled and Accessible Pitzer Model for Seawater and Related Systems. Frontiers in Marine Science, 2016, 3, .	2.5	21
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