

Eric Achterberg

List of Publications by Year in descending order

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297
papers

14,057
citations

18887

64
h-index

38517

99
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332
all docs

332
docs citations

332
times ranked

13857
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutrient enrichment can increase the susceptibility of reef corals to bleaching. <i>Nature Climate Change</i> , 2013, 3, 160-164.	8.1	510
2	Large-scale distribution of Atlantic nitrogen fixation controlled by iron availability. <i>Nature Geoscience</i> , 2009, 2, 867-871.	5.4	396
3	The GEOTRACES Intermediate Data Product 2017. <i>Chemical Geology</i> , 2018, 493, 210-223.	1.4	257
4	Attenuation of sinking particulate organic carbon flux through the mesopelagic ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1089-1094.	3.3	236
5	Hydroxamate Siderophores: Occurrence and Importance in the Atlantic Ocean. <i>Environmental Science & Technology</i> , 2008, 42, 8675-8680.	4.6	217
6	Phosphorus cycling in the North and South Atlantic Ocean subtropical gyres. <i>Nature Geoscience</i> , 2008, 1, 439-443.	5.4	212
7	The distribution and stabilisation of dissolved Fe in deep-sea hydrothermal plumes. <i>Earth and Planetary Science Letters</i> , 2008, 270, 157-167.	1.8	211
8	Relative influence of nitrogen and phosphorous availability on phytoplankton physiology and productivity in the oligotrophic subtropical North Atlantic Ocean. <i>Limnology and Oceanography</i> , 2008, 53, 291-305.	1.6	206
9	Determination of nitrate and phosphate in seawater at nanomolar concentrations. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 169-182.	5.8	204
10	Determination of iron in seawater. <i>Analytica Chimica Acta</i> , 2001, 442, 1-14.	2.6	195
11	Onset of recent rapid sea-level rise in the western Atlantic Ocean. <i>Quaternary Science Reviews</i> , 2005, 24, 2083-2100.	1.4	182
12	Dissolved silver measurements in seawater. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 809-817.	5.8	176
13	Stripping voltammetry for the determination of trace metal speciation and in-situ measurements of trace metal distributions in marine waters. <i>Analytica Chimica Acta</i> , 1999, 400, 381-397.	2.6	174
14	Atmospheric iron deposition and sea-surface dissolved iron concentrations in the eastern Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2003, 50, 1339-1352.	0.6	172
15	Seabed foraging by Antarctic krill: Implications for stock assessment, benthopelagic coupling, and the vertical transfer of iron. <i>Limnology and Oceanography</i> , 2011, 56, 1411-1428.	1.6	171
16	Nutrient co-limitation at the boundary of an oceanic gyre. <i>Nature</i> , 2017, 551, 242-246.	13.7	169
17	The relative contribution of fast and slow sinking particles to ocean carbon export. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	162
18	The fate of added iron during a mesoscale fertilisation experiment in the Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 2703-2743.	0.6	160

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19	Determination of sub-nanomolar levels of iron in seawater using flow injection with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 1998, 361, 189-200.	2.6	150
20	Differential effects of ocean acidification on growth and photosynthesis among phylotypes of <i>Symbiodinium</i> (Dinophyceae). <i>Limnology and Oceanography</i> , 2011, 56, 927-938.	1.6	148
21	Metal geochemistry in a mine-polluted estuarine system in Spain. <i>Applied Geochemistry</i> , 2003, 18, 1757-1771.	1.4	139
22	Ocean fertilization: a potential means of geoengineering?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 3919-3945.	1.6	138
23	Iron limits primary productivity during spring bloom development in the central North Atlantic. <i>Global Change Biology</i> , 2006, 12, 626-634.	4.2	134
24	Degree of oligotrophy controls the response of microbial plankton to Saharan dust. <i>Limnology and Oceanography</i> , 2010, 55, 2339-2352.	1.6	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. <i>Analytica Chimica Acta</i> , 2017, 976, 1-13.	2.6	129
26	Production of siderophore type chelates by mixed bacterioplankton populations in nutrient enriched seawater incubations. <i>Marine Chemistry</i> , 2004, 88, 75-83.	0.9	125
27	Iron limitation of the postbloom phytoplankton communities in the Iceland Basin. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	125
28	Speciation and cycling of trace metals in Esthwaite Water: A productive English lake with seasonal deep-water anoxia. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 5233-5253.	1.6	122
29	Trace metal and nutrient distribution in an extremely low pH (2.5) river estuarine system, the Ria of Huelva (South West Spain). <i>Science of the Total Environment</i> , 1999, 227, 73-83.	3.9	118
30	Metal biogeochemistry in the Tinto-Odiel rivers (Southern Spain) and in the Gulf of Cadiz: a synthesis of the results of TOROS project. <i>Continental Shelf Research</i> , 2001, 21, 1961-1973.	0.9	116
31	Local adaptation constrains the distribution potential of heat-tolerant <i>Symbiodinium</i> from the Persian/Arabian Gulf. <i>ISME Journal</i> , 2015, 9, 2551-2560.	4.4	115
32	Review article: How does glacier discharge affect marine biogeochemistry and primary production in the Arctic?. <i>Cryosphere</i> , 2020, 14, 1347-1383.	1.5	114
33	Natural iron fertilization by the Eyjafjallajökull volcanic eruption. <i>Geophysical Research Letters</i> , 2013, 40, 921-926.	1.5	113
34	Seasonal ITCZ migration dynamically controls the location of the (sub)tropical Atlantic biogeochemical divide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1438-1442.	3.3	107
35	Non-linear response of summertime marine productivity to increased meltwater discharge around Greenland. <i>Nature Communications</i> , 2018, 9, 3256.	5.8	107
36	The significance of the episodic nature of atmospheric deposition to Low Nutrient Low Chlorophyll regions. <i>Global Biogeochemical Cycles</i> , 2014, 28, 1179-1198.	1.9	106

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37	Efficient removal of recalcitrant deep-ocean dissolved organic matter during hydrothermal circulation. <i>Nature Geoscience</i> , 2015, 8, 856-860.	5.4	104
38	In-line ultraviolet-digestion of natural water samples for trace metal determination using an automated voltammetric system. <i>Analytica Chimica Acta</i> , 1994, 291, 213-232.	2.6	97
39	Seasonal characteristics of tropical marine boundary layer air measured at the Cape Verde Atmospheric Observatory. <i>Journal of Atmospheric Chemistry</i> , 2010, 67, 87-140.	1.4	97
40	Metal behaviour in an estuary polluted by acid mine drainage: the role of particulate matter. <i>Environmental Pollution</i> , 2003, 121, 283-292.	3.7	95
41	The stabilisation and transportation of dissolved iron from high temperature hydrothermal vent systems. <i>Earth and Planetary Science Letters</i> , 2013, 375, 280-290.	1.8	91
42	Distribution of dissolved organic nutrients and their effect on export production over the Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	88
43	Zooplankton Gut Passage Mobilizes Lithogenic Iron for Ocean Productivity. <i>Current Biology</i> , 2016, 26, 2667-2673.	1.8	87
44	Influence of ocean acidification on the complexation of iron and copper by organic ligands in estuarine waters. <i>Marine Chemistry</i> , 2015, 177, 421-433.	0.9	85
45	Variation of the mixing state of Saharan dust particles with atmospheric transport. <i>Atmospheric Environment</i> , 2010, 44, 3135-3146.	1.9	82
46	Determination of dissolved organic carbon in seawater using high temperature catalytic oxidation techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2000, 19, 498-506.	5.8	81
47	Predominance of heavily calcified coccolithophores at low CaCO ₃ saturation during winter in the Bay of Biscay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8845-8849.	3.3	81
48	Chemical speciation of chromium and nickel in the western Mediterranean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1997, 44, 693-720.	0.6	80
49	Biogeochemistry of Fe and other trace elements (Al, Co, Ni) in the upper Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2002, 49, 605-636.	0.6	80
50	Effect of elevated CO ₂ on organic matter pools and fluxes in a summer Baltic Sea plankton community. <i>Biogeosciences</i> , 2015, 12, 6181-6203.	1.3	79
51	Real-Time Monitoring of Picomolar Concentrations of Iron(II) in Marine Waters Using Automated Flow Injection-Chemiluminescence Instrumentation. <i>Environmental Science & Technology</i> , 2002, 36, 4600-4607.	4.6	77
52	Nitrogen and phosphorus co-limitation of bacterial productivity and growth in the oligotrophic subtropical North Atlantic. <i>Limnology and Oceanography</i> , 2008, 53, 824-834.	1.6	77
53	Global Observational Needs and Resources for Marine Biodiversity. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	77
54	Isotopic composition of atmospheric nitrate in a tropical marine boundary layer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17668-17673.	3.3	76

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55	Spatial and temporal development of phytoplankton iron stress in relation to bloom dynamics in the high-latitude North Atlantic Ocean. <i>Limnology and Oceanography</i> , 2013, 58, 533-545.	1.6	76
56	Toxic algal bloom induced by ocean acidification disrupts the pelagic food web. <i>Nature Climate Change</i> , 2018, 8, 1082-1086.	8.1	75
57	Comparison of sample storage protocols for the determination of nutrients in natural waters. <i>Water Research</i> , 2001, 35, 3670-3678.	5.3	74
58	Determination of dissolved organic nitrogen in natural waters using high-temperature catalytic oxidation. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 819-827.	5.8	73
59	Evolving and Sustaining Ocean Best Practices and Standards for the Next Decade. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	73
60	Seawater-pH measurements for ocean-acidification observations. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 40, 146-157.	5.8	72
61	Dissolved silver in European estuarine and coastal waters. <i>Water Research</i> , 2010, 44, 4204-4216.	5.3	71
62	Development of a colorimetric microfluidic pH sensor for autonomous seawater measurements. <i>Analytica Chimica Acta</i> , 2013, 786, 124-131.	2.6	70
63	Iron biogeochemistry across marine systems – progress from the past decade. <i>Biogeosciences</i> , 2010, 7, 1075-1097.	1.3	69
64	Manganese co-limitation of phytoplankton growth and major nutrient drawdown in the Southern Ocean. <i>Nature Communications</i> , 2021, 12, 884.	5.8	68
65	Production of siderophore type chelates in Atlantic Ocean waters enriched with different carbon and nitrogen sources. <i>Marine Chemistry</i> , 2011, 124, 90-99.	0.9	67
66	What causes the inverse relationship between primary production and export efficiency in the Southern Ocean?. <i>Geophysical Research Letters</i> , 2016, 43, 4457-4466.	1.5	67
67	Automated voltammetric system for shipboard determination of metal speciation in sea water. <i>Analytica Chimica Acta</i> , 1994, 284, 463-471.	2.6	66
68	Influence of sorption processes by iron oxides and algae fixation on arsenic and phosphate cycle in an acidic estuary (Tinto river, Spain). <i>Water Research</i> , 2000, 34, 3222-3230.	5.3	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. <i>PLoS ONE</i> , 2016, 11, e0159068.	1.1	64
70	Changes in iron speciation following a Saharan dust event in the tropical North Atlantic Ocean. <i>Marine Chemistry</i> , 2008, 110, 56-67.	0.9	63
71	A high performance microfluidic analyser for phosphate measurements in marine waters using the vanadomolybdate method. <i>Talanta</i> , 2013, 116, 382-387.	2.9	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. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	63

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73	UV digestion of seawater samples prior to the determination of copper using flow injection with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 2001, 440, 27-36.	2.6	62
74	Marine Biogeochemistry of Iron. <i>Environmental Chemistry</i> , 2004, 1, 67.	0.7	61
75	PRODUCTION OF PHYTOCHELATINS AND GLUTATHIONE BY MARINE PHYTOPLANKTON IN RESPONSE TO METAL STRESS. <i>Journal of Phycology</i> , 2006, 42, 975-989.	1.0	61
76	A community-wide intercomparison exercise for the determination of dissolved iron in seawater. <i>Marine Chemistry</i> , 2006, 98, 81-99.	0.9	60
77	Iron limitation of microbial phosphorus acquisition in the tropical North Atlantic. <i>Nature Communications</i> , 2017, 8, 15465.	5.8	60
78	Impact of Los Frailes mine spill on riverine, estuarine and coastal waters in southern Spain. <i>Water Research</i> , 1999, 33, 3387-3394.	5.3	57
79	The Influence of Plankton Community Structure on Sinking Velocity and Remineralization Rate of Marine Aggregates. <i>Global Biogeochemical Cycles</i> , 2019, 33, 971-994.	1.9	56
80	Spread, Behavior, and Ecosystem Consequences of Conventional Munitions Compounds in Coastal Marine Waters. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	55
81	Seasonal and spatial dynamics of iron availability in the Scotia Sea. <i>Marine Chemistry</i> , 2012, 130-131, 62-72.	0.9	54
82	Determination of cobalt and iron in estuarine and coastal waters using flow injection with chemiluminescence detection. <i>Analyst</i> , 2000, 125, 51-57.	1.7	52
83	Distributions of dissolved trace metals (Cd, Cu, Mn, Pb, Ag) in the southeastern Atlantic and the Southern Ocean. <i>Biogeosciences</i> , 2012, 9, 3231-3246.	1.3	51
84	Behaviour of chromium isotopes in the eastern sub-tropical Atlantic Oxygen Minimum Zone. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 236, 41-59.	1.6	51
85	Distribution and redox speciation of dissolved iron on the European continental margin. <i>Limnology and Oceanography</i> , 2007, 52, 2530-2539.	1.6	50
86	Modeling the global emission, transport and deposition of trace elements associated with mineral dust. <i>Biogeosciences</i> , 2015, 12, 5771-5792.	1.3	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. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	49
88	Determination of phytochelatins and glutathione in phytoplankton from natural waters using HPLC with fluorescence detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 133-142.	5.8	48
89	Distributions and seasonal variability of dissolved organic nitrogen in two estuaries in SW England. <i>Marine Chemistry</i> , 2008, 110, 153-164.	0.9	48
90	Fluxes and distribution of dissolved iron in the eastern (subâ€) tropical North Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	48

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91	Return of naturally sourced Pb to Atlantic surface waters. <i>Nature Communications</i> , 2016, 7, 12921.	5.8	47
92	Iron Biogeochemistry in the High Latitude North Atlantic Ocean. <i>Scientific Reports</i> , 2018, 8, 1283.	1.6	47
93	In-situ trace metal (Cd, Pb, Cu) speciation along the Po River plume (Northern Adriatic Sea) using submersible systems. <i>Marine Chemistry</i> , 2019, 212, 47-63.	0.9	46
94	Visualisation of natural aquatic colloids and particles ? a comparison of conventional high vacuum and environmental scanning electron microscopy. <i>Journal of Environmental Monitoring</i> , 2005, 7, 115.	2.1	45
95	Impact of atmospheric deposition on the contrasting iron biogeochemistry of the North and South Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2013, 27, 1096-1107.	1.9	45
96	Coccolithophores on the north-west European shelf: calcification rates and environmental controls. <i>Biogeosciences</i> , 2014, 11, 3919-3940.	1.3	45
97	Benthic fluxes of trace metals in the Chukchi Sea and their transport into the Arctic Ocean. <i>Marine Chemistry</i> , 2019, 208, 43-55.	0.9	45
98	Plasticity in the proteome of <i>Emiliania huxleyi</i> CCMP 1516 to extremes of light is highly targeted. <i>New Phytologist</i> , 2013, 200, 61-73.	3.5	44
99	Chemistry and mineralogy of clay minerals in Asian and Saharan dusts and the implications for iron supply to the oceans. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12415-12428.	1.9	44
100	Paired dissolved and particulate phase Cu isotope distributions in the South Atlantic. <i>Chemical Geology</i> , 2018, 502, 29-43.	1.4	44
101	Deep dissolved iron profiles in the eastern North Atlantic in relation to water masses. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	43
102	Silver nanoparticles coated with natural polysaccharides as models to study AgNP aggregation kinetics using UV-Visible spectrophotometry upon discharge in complex environments. <i>Science of the Total Environment</i> , 2016, 539, 7-16.	3.9	43
103	Real-time detection of reactive oxygen species generation by marine phytoplankton using flow injection chemiluminescence. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 706-715.	1.0	41
104	Aerosol time-series measurements over the tropical Northeast Atlantic Ocean: Dust sources, elemental composition and mineralogy. <i>Marine Chemistry</i> , 2015, 174, 103-119.	0.9	41
105	High resolution monitoring of dissolved Cu and Co in coastal surface waters of the Western North Sea. <i>Continental Shelf Research</i> , 2003, 23, 611-623.	0.9	39
106	The importance of shallow hydrothermal island arc systems in ocean biogeochemistry. <i>Geophysical Research Letters</i> , 2014, 41, 942-947.	1.5	39
107	Environmental controls on the biogeography of diazotrophy and <i>Trichodesmium</i> in the Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2015, 29, 865-884.	1.9	39
108	Analysis of global surface ocean alkalinity to determine controlling processes. <i>Marine Chemistry</i> , 2015, 174, 46-57.	0.9	39

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109	Differential effects of nitrate, ammonium, and urea as N sources for microbial communities in the North Pacific Ocean. <i>Limnology and Oceanography</i> , 2017, 62, 2550-2574.	1.6	39
110	Towards improved monitoring of offshore carbon storage: A real-world field experiment detecting a controlled sub-seafloor CO ₂ release. <i>International Journal of Greenhouse Gas Control</i> , 2021, 106, 103237.	2.3	39
111	Sources and transport of dissolved iron and manganese along the continental margin of the Bay of Biscay. <i>Biogeosciences</i> , 2007, 4, 181-194.	1.3	38
112	Regulation of nitrous oxide production in low-oxygen waters off the coast of Peru. <i>Biogeosciences</i> , 2020, 17, 2263-2287.	1.3	38
113	Shipboard analytical intercomparison of dissolved iron in surface waters along a north-south transect of the Atlantic Ocean. <i>Marine Chemistry</i> , 2003, 84, 19-34.	0.9	37
114	Influence of atmospheric inputs on the iron distribution in the subtropical North-East Atlantic Ocean. <i>Marine Chemistry</i> , 2007, 104, 186-202.	0.9	37
115	Phytoplankton responses and associated carbon cycling during shipboard carbonate chemistry manipulation experiments conducted around Northwest European shelf seas. <i>Biogeosciences</i> , 2014, 11, 4733-4752.	1.3	37
116	Hydrogen peroxide in deep waters from the Mediterranean Sea, South Atlantic and South Pacific Oceans. <i>Scientific Reports</i> , 2017, 7, 43436.	1.6	37
117	Interferences in the analysis of nanomolar concentrations of nitrate and phosphate in oceanic waters. <i>Analytica Chimica Acta</i> , 2010, 673, 109-116.	2.6	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. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 127, 7-27.	0.6	36
119	The distribution of dissolved Cu, Zn, Ni, Co and Cr in English coastal surface waters. <i>Continental Shelf Research</i> , 1999, 19, 537-558.	0.9	35
120	Effect of Model Ligands on Iron Redox Speciation in Natural Waters Using Flow Injection with Luminol Chemiluminescence Detection. <i>Analytical Chemistry</i> , 2005, 77, 1971-1978.	3.2	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. <i>Analytica Chimica Acta</i> , 2009, 652, 259-265.	2.6	35
122	Analysis of dissolved metal fractions in coastal waters: An inter-comparison of five voltammetric in situ profiling (VIP) systems. <i>Marine Chemistry</i> , 2009, 114, 47-55.	0.9	35
123	Characterisation of iron binding ligands in seawater by reverse titration. <i>Analytica Chimica Acta</i> , 2013, 766, 53-60.	2.6	35
124	Ocean acidification impacts bacteria-phytoplankton coupling at low-nutrient conditions. <i>Biogeosciences</i> , 2017, 14, 1-15.	1.3	35
125	A versatile optode system for oxygen, carbon dioxide, and pH measurements in seawater with integrated battery and logger. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 459-473.	1.0	35
126	Particulate phases are key in controlling dissolved iron concentrations in the (sub)tropical North Atlantic. <i>Geophysical Research Letters</i> , 2017, 44, 2377-2387.	1.5	34

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127	Developments in marine pCO ₂ measurement technology; towards sustained in situ observations. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 88, 53-61.	5.8	34
128	The biogeochemical impact of glacial meltwater from Southwest Greenland. <i>Progress in Oceanography</i> , 2019, 176, 102126.	1.5	34
129	Voltammetric in situ measurements of trace metals in coastal waters. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 828-835.	5.8	33
130	The Cd isotope composition of atmospheric aerosols from the Tropical Atlantic Ocean. <i>Geophysical Research Letters</i> , 2017, 44, 2932-2940.	1.5	32
131	Mechanisms of dissolved and labile particulate iron supply to shelf waters and phytoplankton blooms off South Georgia, Southern Ocean. <i>Biogeosciences</i> , 2018, 15, 4973-4993.	1.3	32
132	H ₂ S events in the Peruvian oxygen minimum zone facilitate enhanced dissolved Fe concentrations. <i>Scientific Reports</i> , 2018, 8, 12642.	1.6	32
133	Environmental Forcing of Nitrogen Fixation in the Eastern Tropical and Sub-Tropical North Atlantic Ocean. <i>PLoS ONE</i> , 2011, 6, e28989.	1.1	32
134	The determination of trace metals in estuarine and coastal waters using a voltammetric in situ profiling system. <i>Analyst</i> , The, 2003, 128, 734.	1.7	31
135	Effects of Metal Combinations on the Production of Phytochelatins and Glutathione by the Marine Diatom <i>Phaeodactylum tricornutum</i> . <i>BioMetals</i> , 2006, 19, 51-60.	1.8	31
136	Characterisation and deployment of an immobilised pH sensor spot towards surface ocean pH measurements. <i>Analytica Chimica Acta</i> , 2015, 897, 69-80.	2.6	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. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	30
138	On the influence of marine biogeochemical processes over CO ₂ exchange between the atmosphere and ocean. <i>Marine Chemistry</i> , 2018, 199, 1-11.	0.9	30
139	Effect of enhanced <i>p</i><i>CO</i><i>2</i> levels on the production of dissolved organic carbon and transparent exopolymer particles in short-term bioassay experiments. <i>Biogeosciences</i> , 2014, 11, 3695-3706.	1.3	29
140	Quantification of munition compounds in the marine environment by solid phase extraction “ ultra high performance liquid chromatography with detection by electrospray ionisation “ mass spectrometry. <i>Talanta</i> , 2019, 200, 366-372.	2.9	29
141	On-line voltammetric monitoring of dissolved Cu and Ni in the Gulf of Cadiz, south-west Spain. <i>Analytica Chimica Acta</i> , 1998, 377, 205-215.	2.6	28
142	Distribution of size fractionated dissolved iron in the Canary Basin. <i>Marine Environmental Research</i> , 2010, 70, 46-55.	1.1	28
143	Atmospheric deposition fluxes over the Atlantic Ocean: a GEOTRACES case study. <i>Biogeosciences</i> , 2019, 16, 1525-1542.	1.3	28
144	In Situ Measurements of Explosive Compound Dissolution Fluxes from Exposed Munition Material in the Baltic Sea. <i>Environmental Science & Technology</i> , 2019, 53, 5652-5660.	4.6	28

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145	Highly variable iron content modulates iceberg-ocean fertilisation and potential carbon export. <i>Nature Communications</i> , 2019, 10, 5261.	5.8	28
146	High temporal and spatial resolution environmental monitoring using flow injection with spectroscopic detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 233-239.	5.8	27
147	Collision-induced dissociation of three groups of hydroxamate siderophores: ferrioxamines, ferrichromes and coprogens/fusigens. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2195-2202.	0.7	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. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 236, 60-78.	1.6	27
149	Species Kinetics and Heterogeneous Reactivity of Dissolved Cu in Natural Freshwaters. <i>Environmental Science & Technology</i> , 2002, 36, 914-920.	4.6	26
150	Colloidal Metals in the Tamar Estuary and their Influence on Metal Fractionation by Membrane Filtration. <i>Environmental Chemistry</i> , 2006, 3, 199.	0.7	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. <i>Biogeosciences</i> , 2010, 7, 1481-1492.	1.3	26
152	Intercomparison of carbonate chemistry measurements on a cruise in northwestern European shelf seas. <i>Biogeosciences</i> , 2014, 11, 4339-4355.	1.3	26
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