Kenneth Johnson

List of Publications by Year
in descending order

178 papers	19,270 citations	10389 72 h-index	11939 134 g-index
183 all docs	183 docs citations	183 times ranked	12878 citing authors

#	Article	IF	Citations
1	The Global Ocean Biogeochemistry (GO-BGC) Array of Profiling Floats to Observe Changing Ocean Chemistry and Biology. Marine Technology Society Journal, 2022, 56, 122-123.	0.4	3
2	Indoâ€Pacific Sector Dominates Southern Ocean Carbon Outgassing. Global Biogeochemical Cycles, 2022, 36, .	4.9	14
3	The Deep Ocean's Carbon Exhaust. Global Biogeochemical Cycles, 2022, 36, .	4.9	12
4	Accurate pH and O2 Measurements from Spray Underwater Gliders. Journal of Atmospheric and Oceanic Technology, 2021, 38, 181-195.	1.3	15
5	Constraint on net primary productivity of the global ocean by Argo oxygen measurements. Nature Geoscience, 2021, 14, 769-774.	12.9	31
6	Delayed-Mode Quality Control of Oxygen, Nitrate, and pH Data on SOCCOM Biogeochemical Profiling Floats. Frontiers in Marine Science, 2021, 8, .	2.5	20
7	Observing the Global Ocean with Biogeochemical-Argo. Annual Review of Marine Science, 2020, 12, 23-48.	11.6	155
8	Importance of wind and meltwater for observed chemical and physical changes in the Southern Ocean. Nature Geoscience, 2020, 13, 35-42.	12.9	42
9	Supercooled Southern Ocean Waters. Geophysical Research Letters, 2020, 47, e2020GL090242.	4.0	21
10	Monitoring ocean biogeochemistry with autonomous platforms. Nature Reviews Earth & Environment, 2020, 1, 315-326.	29.7	114
11	Assessment of pH dependent errors in spectrophotometric pH measurements of seawater. Marine Chemistry, 2020, 223, 103801.	2.3	26
12	Global Oceans. Bulletin of the American Meteorological Society, 2020, 101, S129-S184.	3.3	12
13	On the Future of Argo: A Global, Full-Depth, Multi-Disciplinary Array. Frontiers in Marine Science, 2019, 6, .	2.5	235
14	Reassessing Southern Ocean Airâ€Sea CO₂ Flux Estimates With the Addition of Biogeochemical Float Observations. Global Biogeochemical Cycles, 2019, 33, 1370-1388.	4.9	95
15	A BGC-Argo Guide: Planning, Deployment, Data Handling and Usage. Frontiers in Marine Science, 2019, 6, .	2.5	86
16	Oxygen Variability Controls Denitrification in the Bay of Bengal Oxygen Minimum Zone. Geophysical Research Letters, 2019, 46, 804-811.	4.0	31
17	Southern Ocean Biogeochemical Float Deployment Strategy, With Example From the Greenwich Meridian Line (GOâ€SHIP A12). Journal of Geophysical Research: Oceans, 2019, 124, 403-431.	2.6	25
18	Metrics for the Evaluation of the Southern Ocean in Coupled Climate Models and Earth System Models. Journal of Geophysical Research: Oceans, 2018, 123, 3120-3143.	2.6	29

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19	Physical and Biological Drivers of Biogeochemical Tracers Within the Seasonal Sea Ice Zone of the Southern Ocean From Profiling Floats. Journal of Geophysical Research: Oceans, 2018, 123, 746-758.	2.6	23
20	Understanding the Dynamics of the Oxicâ€Anoxic Interface in the Black Sea. Geophysical Research Letters, 2018, 45, 864-871.	4.0	27
21	A validation and comparison study of new, compact, versatile optodes for oxygen, pH and carbon dioxide in marine environments. Marine Chemistry, 2018, 207, 63-76.	2.3	16
22	Low-nutrient organic matter in the Sargasso Sea thermocline: A hypothesis for its role, identity, and carbon cycle implications. Marine Chemistry, 2018, 207, 108-123.	2.3	36
23	When Mixed Layers Are Not Mixed. Stormâ€Driven Mixing and Bioâ€optical Vertical Gradients in Mixed Layers of the Southern Ocean. Journal of Geophysical Research: Oceans, 2018, 123, 7264-7289.	2.6	47
24	State of the Climate in 2017. Bulletin of the American Meteorological Society, 2018, 99, Si-S310.	3.3	160
25	Assessment of Export Efficiency Equations in the Southern Ocean Applied to Satelliteâ€Based Net Primary Production. Journal of Geophysical Research: Oceans, 2018, 123, 2945-2964.	2.6	35
26	Oxygen Optode Sensors: Principle, Characterization, Calibration, and Application in the Ocean. Frontiers in Marine Science, 2018, 4, .	2.5	100
27	Assessment of the Carbonate Chemistry Seasonal Cycles in the Southern Ocean From Persistent Observational Platforms. Journal of Geophysical Research: Oceans, 2018, 123, 4833-4852.	2.6	42
28	Assessment of Autonomous pH Measurements for Determining Surface Seawater Partial Pressure of CO 2. Journal of Geophysical Research: Oceans, 2018, 123, 4003-4013.	2.6	22
29	Autonomous Biogeochemical Floats Detect Significant Carbon Dioxide Outgassing in the Highâ€Latitude Southern Ocean. Geophysical Research Letters, 2018, 45, 9049-9057.	4.0	138
30	An evaluation of ISFET sensors for coastal pH monitoring applications. Regional Studies in Marine Science, 2017, 12, 11-18.	0.7	41
31	The integral role of iron in ocean biogeochemistry. Nature, 2017, 543, 51-59.	27.8	482
32	Calculating surface ocean pCO₂ from biogeochemical Argo floats equipped with pH: An uncertainty analysis. Global Biogeochemical Cycles, 2017, 31, 591-604.	4.9	104
33	Developing chemical sensors to observe the health of the global ocean. , 2017, , .		3
34	Biogeochemical sensor performance in the SOCCOM profiling float array. Journal of Geophysical Research: Oceans, 2017, 122, 6416-6436.	2.6	190
35	The effects of pressure on pH of Tris buffer in synthetic seawater. Marine Chemistry, 2017, 188, 1-5.	2.3	10
36	Oxygen in the Southern Ocean From Argo Floats: Determination of Processes Driving Airâ€Sea Fluxes. Journal of Geophysical Research: Oceans, 2017, 122, 8661-8682.	2.6	38

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37	Pressure correction for the computation of nitrate concentrations in seawater using an in situ ultraviolet spectrophotometer. Limnology and Oceanography: Methods, 2017, 15, 897-902.	2.0	15
38	Annual nitrate drawdown observed by <scp>SOCCOM</scp> profiling floats and the relationship to annual net community production. Journal of Geophysical Research: Oceans, 2017, 122, 6668-6683.	2.6	54
39	Wood chip denitrification bioreactors can reduce nitrate in tile drainage. California Agriculture, 2017, 71, 41-47.	0.8	21
40	Estimates of Water-Column Nutrient Concentrations and Carbonate System Parameters in the Global Ocean: A Novel Approach Based on Neural Networks. Frontiers in Marine Science, 2017, 4, .	2.5	71
41	The Argo Program: Present and Future. Oceanography, 2017, 30, 18-28.	1.0	86
42	Hourly In Situ Nitrate on a Coastal Mooring: A 15-Year Record and Insights into New Production. Oceanography, 2017, 30, 114-127.	1.0	12
43	Net community production at Ocean Station Papa observed with nitrate and oxygen sensors on profiling floats. Global Biogeochemical Cycles, 2016, 30, 859-879.	4.9	58
44	Optimization of a robust and reliable ISFET sensor for measuring pH in the deep ocean. , 2016, , .		2
45	Empirical algorithms to estimate water column pH in the Southern Ocean. Geophysical Research Letters, 2016, 43, 3415-3422.	4.0	48
46	Deep-Sea DuraFET: A Pressure Tolerant pH Sensor Designed for Global Sensor Networks. Analytical Chemistry, 2016, 88, 3249-3256.	6.5	114
47	Bringing Biogeochemistry into the Argo Age. Eos, 2016, , .	0.1	35
48	Measuring pH in the deep ocean with Honeywell Durafet transistors. , 2015, , .		0
49	Air Oxygen Calibration of Oxygen Optodes on a Profiling Float Array. Journal of Atmospheric and Oceanic Technology, 2015, 32, 2160-2172.	1.3	70
50	Lessons learned from an ecosystem-based management approach to restoration of a California estuary. Marine Policy, 2015, 58, 60-70.	3.2	23
51	Best practices for autonomous measurement of seawater pH with the Honeywell Durafet. Methods in Oceanography, 2014, 9, 44-60.	1.6	150
52	Characterization of an Ion Sensitive Field Effect Transistor and Chloride Ion Selective Electrodes for pH Measurements in Seawater. Analytical Chemistry, 2014, 86, 11189-11195.	6.5	53
53	Fortnightly Tidal Modulations Affect Net Community Production in a Mesotidal Estuary. Estuaries and Coasts, 2014, 37, 91-110.	2.2	17
54	Interpreting intraseasonal variability of subsurface tracers observed by a profiling float. Journal of Geophysical Research: Oceans, 2014, 119, 288-296.	2.6	0

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55	A climatology-based quality control procedure for profiling float oxygen data. Journal of Geophysical Research: Oceans, 2013, 118, 5640-5650.	2.6	76
56	Physical and biological controls of nitrate concentrations in the upper subtropical North Pacific Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2013, 93, 119-134.	1.4	39
57	BioArgo: A global scale chemical sensor network to observe carbon, oxygen, and nitrogen cycles in the ocean. , 2013, , .		2
58	Long-Term Nitrate Measurements in the Ocean Using the in situ Ultraviolet Spectrophotometer: Sensor Integration into the APEX Profiling Float. Journal of Atmospheric and Oceanic Technology, 2013, 30, 1854-1866.	1.3	92
59	Recovery of a top predator mediates negative eutrophic effects on seagrass. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15313-15318.	7.1	146
60	Measurements of nitrite production in and around the primary nitrite maximum in the central California Current. Biogeosciences, 2013, 10, 7395-7410.	3.3	87
61	Benthic manganese fluxes along the Oregonâ€“California continental shelf and slope. Continental Shelf Research, 2012, 43, 71-85.	1.8	45
62	Method for the Quantification of Aquatic Primary Production and Net Ecosystem Metabolism Using In Situ Dissolved Oxygen Sensors. Springer Protocols, 2012, , 73-101.	0.3	11
63	High-Frequency Dynamics of Ocean pH: A Multi-Ecosystem Comparison. PLoS ONE, 2011, 6, e28983.	2.5	782
64	Differential Distributions of Synechococcus Subgroups Across the California Current System. Frontiers in Microbiology, 2011, 2, 59.	3.5	45
65	Nitrate and oxygen flux across the sedimentâ€“water interface observed by eddy correlation measurements on the open continental shelf. Limnology and Oceanography: Methods, 2011, 9, 543-553.	2.0	20
66	Applications of in situ pH measurements for inorganic carbon calculations. Marine Chemistry, 2011, 125, 82-90.	2.3	63
67	Simultaneous measurements of nitrate, oxygen, and carbon dioxide on oceanographic moorings: Observing the Redfield Ratio in real time. Limnology and Oceanography, 2010, 55, 615-627.	3.1	24
68	Nitrate supply from deep to near-surface waters of the North Pacific subtropical gyre. Nature, 2010, 465, 1062-1065.	27.8	225
69	Testing the Honeywell DurafetÂ® for seawater pH applications. Limnology and Oceanography: Methods, 2010, 8, 172-184.	2.0	241
70	Tidally oscillating bisulfide fluxes and fluid flow rates observed with in situ chemical sensors at a warm spring in Monterey Bay, California. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 1585-1595.	1.4	2
71	Unicellular Cyanobacterial Distributions Broaden the Oceanic N ₂ Fixation Domain. Science, 2010, 327, 1512-1514.	12.6	394
72	Simultaneous measurements of nitrate, oxygen, and carbon dioxide on oceanographic moorings: Observing the Redfield Ratio in real time. Limnology and Oceanography, 2010, 55, 615-627.	3.1	18

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73	Determination of carbonate ion concentration and inner sphere carbonate ion pairs in seawater by ultraviolet spectrophotometric titration. Marine Chemistry, 2009, 115, 145-154.	2.3	16
74	Improved algorithm for the computation of nitrate concentrations in seawater using an in situ ultraviolet spectrophotometer. Limnology and Oceanography: Methods, 2009, 7, 132-143.	2.0	83
75	NH4â€Digiscan: an in situ and laboratory ammonium analyzer for estuarine, coastal, and shelf waters. Limnology and Oceanography: Methods, 2009, 7, 144-156.	2.0	57
76	ISUS/SUNA nitrate measurements in networked ocean observing systems. , 2009, , .		4
77	Observing Biogeochemical Cycles at Global Scales with Profiling Floats and Gliders: Prospects for a Global Array. Oceanography, 2009, 22, 216-225.	1.0	171
78	Net production of oxygen in the subtropical ocean. Nature, 2008, 451, 323-325.	27.8	190
79	A longâ€term, highâ€resolution record of surface water iron concentrations in the upwellingâ€driven central California region. Journal of Geophysical Research, 2008, 113, .	3.3	32
80	Ocean Iron Fertilization--Moving Forward in a Sea of Uncertainty. Science, 2008, 319, 162-162.	12.6	156
81	Ocean metabolism observed with oxygen sensors on profiling floats in the South Pacific. Limnology and Oceanography, 2008, 53, 2094-2111.	3.1	61
82	Development and initial deployments of an autonomous in situ instrument for long-term monitoring of copper (II) in the marine environment. Limnology and Oceanography: Methods, 2008, 6, 336-346.	2.0	7
83	The Land/Ocean Biogeochemical Observatory: A robust networked mooring system for continuously monitoring complex biogeochemical cycles in estuaries. Limnology and Oceanography: Methods, 2008, 6, 263-276.	2.0	40
84	Mapping the spatial variability of plankton metabolism using nitrate and oxygen sensors on an autonomous underwater vehicle. Limnology and Oceanography, 2008, 53, 2237-2250.	3.1	27
85	Monitoring the Spring Bloom in an Ice Covered Fjord with the Land/Ocean Biogeochemical Observatory (LOBO). , 2007, , .		10
86	Nitrogen fixation by unicellular diazotrophic cyanobacteria in the temperate oligotrophic North Pacific Ocean. Limnology and Oceanography, 2007, 52, 1317-1327.	3.1	129
87	Chemical Sensor Networks for the Aquatic Environment. Chemical Reviews, 2007, 107, 623-640.	47.7	163
88	Developing Standards for Dissolved Iron in Seawater. Eos, 2007, 88, 131.	0.1	237
89	GEOCHEMISTRY: Manganese Redox Chemistry Revisited. Science, 2006, 313, 1896-1897.	12.6	46
90	Input and cycling of iron in the Gulf of Aqaba, Red Sea. Global Biogeochemical Cycles, 2006, 20, n/a-n/a.	4.9	54

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91	Diel nitrate cycles observed with in situ sensors predict monthly and annual new production. Deep-Sea Research Part I: Oceanographic Research Papers, 2006, 53, 561-573.	1.4	71
92	Manganese and iron distributions off central California influenced by upwelling and shelf width. Marine Chemistry, 2005, 95, 235-254.	2.3	88
93	Coastal Ocean Physics and Red Tides: An Example from Monterey Bay, California. Oceanography, 2005, 18, 246-255.	1.0	60
94	Southern Ocean Iron Enrichment Experiment: Carbon Cycling in High- and Low-Si Waters. Science, 2004, 304, 408-414.	12.6	546
95	Nitrate sources and sinks in Elkhorn Slough, California: Results from long-term continuous in situ nitrate analyzers. Estuaries and Coasts, 2004, 27, 882-894.	1.7	48
96	Influence of Rossby waves on nutrient dynamics and the plankton community structure in the North Pacific subtropical gyre. Journal of Geophysical Research, 2004, 109, .	3.3	68
97	The flux of iron from continental shelf sediments: A missing source for global budgets. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	404
98	Surface ocean-lower atmosphere interactions in the Northeast Pacific Ocean Gyre: Aerosols, iron, and the ecosystem response. Global Biogeochemical Cycles, 2003, 17, n/a-n/a.	4.9	104
99	Iron, nutrient and phytoplankton biomass relationships in upwelled waters of the California coastal system. Continental Shelf Research, 2003, 23, 1523-1544.	1.8	51
100	A time series of benthic flux measurements from Monterey Bay, CA. Continental Shelf Research, 2003, 23, 457-481.	1.8	122
101	Phytoplankton growth and biological response to iron and zinc addition in the Ross Sea and Antarctic Circumpolar Current along 170Â°W. Deep-Sea Research Part II: Topical Studies in Oceanography, 2003, 50, 635-653.	1.4	136
102	Workshop highlights iron dynamics in ocean carbon cycle. Eos, 2002, 83, 482.	0.1	12
103	In situ ultraviolet spectrophotometry for high resolution and long-term monitoring of nitrate, bromide and bisulfide in the ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2002, 49, 1291-1305.	1.4	278
104	Organic matter diagenesis in the sediments of the San Pedro Shelf along a transect affected by sewage effluent. Continental Shelf Research, 2002, 22, 1101-1115.	1.8	18
105	In situ osmotic analyzer for the year-long continuous determination of Fe in hydrothermal systems. Analytica Chimica Acta, 2002, 463, 265-274.	5.4	37
106	Is Ocean Fertilization Credible and Creditable?. Science, 2002, 296, 467b-468.	12.6	28
107	Direct Ultraviolet Spectrophotometric Determination of Total Sulfide and Iodide in Natural Waters. Analytical Chemistry, 2001, 73, 3481-3487.	6.5	134
108	Iron supply and demand in the upper ocean: Is extraterrestrial dust a significant source of bioavailable iron?. Global Biogeochemical Cycles, 2001, 15, 61-63.	4.9	63

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109	The annual cycle of iron and the biological response in central California coastal waters. Geophysical Research Letters, 2001, 28, 1247-1250.	4.0	58
110	Cadmium Flux in Los Angeles/Long Beach Harbours and at Sites along the California Continental Margin. Estuarine, Coastal and Shelf Science, 2001, 53, 169-180.	2.1	12
111	A decadal record of underflows from a coastal river into the deep sea. Geology, 2001, 29, 1019.	4.4	84
112	Trace metal concentrations in the Ross Sea and their relationship with nutrients and phytoplankton growth. Deep-Sea Research Part II: Topical Studies in Oceanography, 2000, 47, 3159-3179.	1.4	184
113	A model of the iron cycle in the ocean. Global Biogeochemical Cycles, 2000, 14, 269-279.	4.9	193
114	Continental-shelf sediment as a primary source of iron for coastal phytoplankton. Nature, 1999, 398, 697-700.	27.8	346
115	Fluxes of dissolved organic carbon from California continental margin sediments. Geochimica Et Cosmochimica Acta, 1999, 63, 1507-1515.	3.9	126
116	Determination of cadmium in seawater using automated on-line preconcentration and direct injection graphite furnace atomic absorption spectrometry. Analytica Chimica Acta, 1998, 377, 255-262.	5.4	40
117	Determination of copper complexation in seawater using flow injection analysis with chemiluminescence detection. Analytica Chimica Acta, 1998, 377, 133-144.	5.4	49
118	The behaviour of iron and other trace elements during the IronEx-I and PlumEx experiments in the Equatorial Pacific. Deep-Sea Research Part II: Topical Studies in Oceanography, 1998, 45, 995-1041.	1.4	72
119	IronEx-I, an in situ iron-enrichment experiment: Experimental design, implementation and results. Deep-Sea Research Part II: Topical Studies in Oceanography, 1998, 45, 919-945.	1.4	59
120	Geochemistry of barium in marine sediments: implications for its use as a paleoproxy. Geochimica Et Cosmochimica Acta, 1998, 62, 3453-3473.	3.9	346
121	Iron distributions in the equatorial Pacific: Implications for new production. Limnology and Oceanography, 1997, 42, 419-431.	3.1	135
122	Phosphorus regeneration in continental margin sediments. Geochimica Et Cosmochimica Acta, 1997, 61, 2891-2907.	3.9	201
123	Oxidation kinetics of manganese (II) in seawater at nanomolar concentrations. Geochimica Et Cosmochimica Acta, 1997, 61, 4945-4954.	3.9	80
124	What controls dissolved iron concentrations in the world ocean?. Marine Chemistry, 1997, 57, 137-161.	2.3	734
125	What controls dissolved iron concentrations in the world ocean? Authors' closing comments. Marine Chemistry, 1997, 57, 181-186.	2.3	54
126	Iron deficiency and phytoplankton growth in the equatorial Pacific. Deep-Sea Research Part II: Topical Studies in Oceanography, 1996, 43, 995-1015.	1.4	85

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127	On the formation of the manganese maximum in the oxygen minimum. Geochimica Et Cosmochimica Acta, 1996, 60, 1291-1299.	3.9	100
128	Solenoid Pumps for Flow Injection Analysis. Analytical Chemistry, 1996, 68, 2717-2719.	6.5	50
129	Control of community growth and export production by upwelled iron in the equatorial Pacific Ocean. Nature, 1996, 379, 621-624.	27.8	311
130	A massive phytoplankton bloom induced by an ecosystem-scale iron fertilization experiment in the equatorial Pacific Ocean. Nature, 1996, 383, 495-501.	27.8	1,367
131	Biogenic matter diagenesis on the sea floor: A comparison between two continental margin transects. Journal of Marine Research, 1996, 54, 731-762.	0.3	120
132	Iron photochemistry in seawater from the equatorial Pacific. Marine Chemistry, 1994, 46, 319-334.	2.3	189
133	Testing the iron hypothesis in ecosystems of the equatorial Pacific Ocean. Nature, 1994, 371, 123-129.	27.8	1,270
134	Iron limitation of phytoplankton photosynthesis in the equatorial Pacific Ocean. Nature, 1994, 371, 145-149.	27.8	332
135	Biogeochemistry of hydrothermal vent mussel communities: the deep-sea analogue to the intertidal zone. Deep-Sea Research Part I: Oceanographic Research Papers, 1994, 41, 993-1011.	1.4	78
136	Determination of Zinc in Seawater Using Flow Injection Analysis with Fluorometric Detection. Analytical Chemistry, 1994, 66, 2732-2738.	6.5	45
137	In situ observations of dissolved iron and manganese in hydrothermal vent plumes, Juan de Fuca Ridge. Journal of Geophysical Research, 1994, 99, 4969-4984.	3.3	61
138	Submersible, Osmotically Pumped Analyzer for Continuous Determination of Nitrate in situ. Analytical Chemistry, 1994, 66, 3352-3361.	6.5	103
139	Manganese Flux from Continental Margin Sediments in a Transect Through the Oxygen Minimum. Science, 1992, 257, 1242-1245.	12.6	102
140	Analytical chemistry and oceanography. Analytical Chemistry, 1992, 64, 1065A-1075A.	6.5	20
141	Analytical Chemistry in Oceanography. Analytical Chemistry, 1992, 64, 1065A-1075A.	6.5	17
142	Spectrophotometric determination of dissolved manganese in natural waters with 1-(2-pyridylazo)-2-naphthol: application to analysis in situ in hydrothermal plumes. Marine Chemistry, 1992, 37, 65-82.	2.3	43
143	Determination of copper in sea water using a flow-injection method with chemiluminescence detection. Analytica Chimica Acta, 1992, 266, 345-351.	5.4	56
144	Determination of subnanomolar levels of iron(II) and total dissolved iron in seawater by flow injection and analysis with chemiluminescence detection. Analytical Chemistry, 1991, 63, 893-898.	6.5	187

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145	Rapid determination of manganese in sea water by flow-injection analysis with chemiluminescence detection. Analytica Chimica Acta, 1991, 249, 469-478.	5.4	47
146	In situ chemical mapping of dissolved iron and manganese in hydrothermal plumes. Nature, 1991, 352, 325-328.	27.8	75
147	Hydrogen peroxide in the western Mediterranean Sea: a tracer for vertical advection. Deep-sea Research Part A, Oceanographic Research Papers, 1989, 36, 241-254.	1.5	57
148	Continuous determination of nitrate concentrations in situ. Deep-sea Research Part A, Oceanographic Research Papers, 1989, 36, 1407-1413.	1.5	36
149	Cobalt and copper distributions in the waters of Santa Monica Basin, California. Nature, 1988, 332, 527-530.	27.8	49
150	Interrelationships among primary production, chlorophyll, and environmental conditions in frontal regions of the western Mediterranean Sea. Deep-sea Research Part A, Oceanographic Research Papers, 1988, 35, 793-810.	1.5	84
151	Short-term temperature variability in the Rose Garden hydrothermal vent field: an unstable deep-sea environment. Deep-sea Research Part A, Oceanographic Research Papers, 1988, 35, 1711-1721.	1.5	157
152	Chemical and biological interactions in the Rose Garden hydrothermal vent field, Galapagos spreading center. Deep-sea Research Part A, Oceanographic Research Papers, 1988, 35, 1723-1744.	1.5	200
153	The influence of the sediment community on chemical transformations. Applied Geochemistry, 1988, 3, 115.	3.0	0
154	Variation in the hydrothermal vent clam, Calyptogen magnifica, at the Rose Garden vent on the Galapagos spreading center. Deep-sea Research Part A, Oceanographic Research Papers, 1988, 35, 1811-1831.	1.5	62
155	Microhabitat variation in the hydrothermal vent mussel, Bathymodiolus thermophilus, at the Rose Garden vent on the Galapagos Rift. Deep-sea Research Part A, Oceanographic Research Papers, 1988, 35, 1769-1791.	1.5	120
156	Benthic fluxes and the cycling of biogenic silica and carbon in two southern California borderland basins. Geochimica Et Cosmochimica Acta, 1987, 51, 1345-1363.	3.9	158
157	Determination of picomolar levels of cobalt in seawater by flow injection analysis with chemiluminescence detection. Analytical Chemistry, 1987, 59, 1789-1794.	6.5	89
158	Reagent-injection flow analysis: application to the determination of nanomolar levels of hydrogen peroxide in seawater. Analytica Chimica Acta, 1987, 201, 83-94.	5.4	30
159	Determination of hydrogen sulfide in seawater using flow injection analysis and flow analysis1. Limnology and Oceanography, 1986, 31, 894-900.	3.1	34
160	A submersible flow analysis system. Analytica Chimica Acta, 1986, 179, 245-257.	5.4	96
161	A rapid, highly sensitive technique for the determination of ammonia in seawater. Marine Biology, 1986, 91, 285-290.	1.5	79
162	In Situ Measurements of Chemical Distributions in a Deep-Sea Hydrothermal Vent Field. Science, 1986, 231, 1139-1141.	12.6	179

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163	Flow-Injection Analysis for Seawater Micronutrients. Advances in Chemistry Series, 1985, , 7-30.	0.6	34
164	Influence of mica surfaces on pore-water pH. Chemical Geology, 1984, 43, 303-317.	3.3	49
165	Contact stabilization of potential calcium carbonate scale by rhodochrosite. Desalination, 1983, 48, 17-23.	8.2	0
166	Determination of reactive silicate in seawater by flow injection analysis. Analytical Chemistry, 1983, 55, 2378-2382.	6.5	95
167	Determination of nitrate and nitrite in seawater by flow injection analysis1. Limnology and Oceanography, 1983, 28, 1260-1266.	3.1	127
168	Carbon dioxide hydration and dehydration kinetics in seawater1. Limnology and Oceanography, 1982, 27, 849-855.	3.1	233
169	Solubility of rhodochrosite (MnCO3) in water and seawater. Geochimica Et Cosmochimica Acta, 1982, 46, 1805-1809.	3.9	76
170	Determination of phosphate in seawater by flow injection analysis with injection of reagent. Analytical Chemistry, 1982, 54, 1185-1187.	6.5	155
171	A comment on â€˜MgSO4 ion association in seawaterâ€™ by Fisher, Gieskes and Hsu. Marine Chemistry, 1982, 11, 285-286.	2.3	3
172	Determination of total primary amines in seawater and plant nectar with flow injection sample processing and fluorescence detection. Analytica Chimica Acta, 1982, 142, 299-304.	5.4	38
173	The activity of NaCl in seawater of 10â€“40â€° salinity and 5â€“25Â°C at 1 atmosphere. Marine Chemistry, 1981, 10, 85-91.	2.3	16
174	The calculation of ion pair diffusion coefficients: A comment. Marine Chemistry, 1981, 10, 195-208.	2.3	19
175	The solubility of calcite â€” probably containing magnesium â€” in seawater. Marine Chemistry, 1980, 10, 9-29.	2.3	47
176	Ion association of chloride and sulphate with sodium, potassium, magnesium and calcium in seawater at 25Â°C. Marine Chemistry, 1979, 8, 87-93.	2.3	33
177	Biological production and the exchange of oxygen and carbon dioxide across the sea surface in Stuart Channel, British Columbia1. Limnology and Oceanography, 1979, 24, 474-482.	3.1	20
178	A critical examination of the NBS pH scale and the determination of titration alkalinity. Deep-sea Research, 1977, 24, 915-926.	0.5	10