Edward A Boyle

List of Publications by Year
in descending order

50 papers	3,596 citations	136950 32 h-index	175258 52 g-index
59 all docs	59 docs citations	59 times ranked	3258 citing authors

#	Article	IF	Citations
1	Low Blank Preconcentration Technique for the Determination of Lead, Copper, and Cadmium in Small-Volume Seawater Samples by Isotope Dilution ICPMS. Analytical Chemistry, 1997, 69, 2464-2470.	6.5	299
2	The GEOTRACES Intermediate Data Product 2017. Chemical Geology, 2018, 493, 210-223.	3.3	257
3	On the distribution of copper, nickel, and cadmium in the surface waters of the North Atlantic and North Pacific Ocean. Journal of Geophysical Research, 1981, 86, 8048-8066.	3.3	227
4	Iron, manganese, and lead at Hawaii Ocean Time-series station ALOHA: Temporal variability and an intermediate water hydrothermal plume. Geochimica Et Cosmochimica Acta, 2005, 69, 933-952.	3.9	217
5	Determination of iron in seawater by high-resolution isotope dilution inductively coupled plasma mass spectrometry after Mg(OH)2 coprecipitation. Analytica Chimica Acta, 1998, 367, 183-191.	5.4	207
6	Lead in the western North Atlantic Ocean: Completed response to leaded gasoline phaseout. Geochimica Et Cosmochimica Acta, 1997, 61, 3279-3283.	3.9	163
7	Trace elements in the Mississippi River Delta outflow region: Behavior at high discharge. Geochimica Et Cosmochimica Acta, 1991, 55, 3241-3251.	3.9	149
8	Distal transport of dissolved hydrothermal iron in the deep South Pacific Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16654-16661.	7.1	134
9	Analysis of trace metals (Cu, Cd, Pb, and Fe) in seawater using single batch nitrilotriacetate resin extraction and isotope dilution inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2011, 686, 93-101.	5.4	120
10	Lead concentrations and isotopes in corals and water near Bermuda, 1780â€“2000. Earth and Planetary Science Letters, 2009, 283, 93-100.	4.4	107
11	GEOTRACES IC1 (BATS) contaminationâ€prone trace element isotopes Cd, Fe, Pb, Zn, Cu, and Mo intercalibration. Limnology and Oceanography: Methods, 2012, 10, 653-665.	2.0	98
12	Partitioning of dissolved iron and iron isotopes into soluble and colloidal phases along the GA03 GEOTRACES North Atlantic Transect. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 116, 130-151.	1.4	95
13	Isotopic equilibration between dissolved and suspended particulate lead in the Atlantic Ocean: Evidence from ²¹⁰Pb and stable Pb isotopes. Journal of Geophysical Research, 1992, 97, 11257-11268.	3.3	76
14	Lead isotope analysis of marine carbonates and seawater by multiple collector ICP-MS. Chemical Geology, 2003, 200, 137-153.	3.3	76
15	Coral-based history of lead and lead isotopes of the surface Indian Ocean since the mid-20th century. Earth and Planetary Science Letters, 2014, 398, 37-47.	4.4	65
16	Thermocline ventilation of anthropogenic lead in the western North Atlantic. Journal of Geophysical Research, 1988, 93, 15715-15732.	3.3	64
17	MITESS: a moored in situ trace element serial sampler for deep-sea moorings. Deep-Sea Research Part I: Oceanographic Research Papers, 2002, 49, 2103-2118.	1.4	64
18	Daily to decadal variability of size-fractionated iron and iron-binding ligands at the Hawaii Ocean Time-series Station ALOHA. Geochimica Et Cosmochimica Acta, 2015, 171, 303-324.	3.9	63

#	Article	IF	Citations
19	Did North Atlantic overturning halt 17,000 years ago?. Paleoceanography, 2008, 23, .	3.0	62
20	Isotopic evidence for the source of lead in the North Pacific abyssal water. Geochimica Et Cosmochimica Acta, 2010, 74, 4629-4638.	3.9	58
21	Dynamic variability of dissolved Pb and Pb isotope composition from the U.S. North Atlantic GEOTRACES transect. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 116, 208-225.	1.4	58
22	Thorium isotopes tracing the iron cycle at the Hawaii Ocean Time-series Station ALOHA. Geochimica Et Cosmochimica Acta, 2015, 169, 1-16.	3.9	55
23	Nitrogen pollution knows no bounds. Science, 2017, 356, 700-701.	12.6	52
24	Dissolved iron in the tropical North Atlantic Ocean. Marine Chemistry, 2013, 154, 87-99.	2.3	50
25	A century long sedimentary record of anthropogenic lead (Pb), Pb isotopes and other trace metals in Singapore. Environmental Pollution, 2016, 213, 446-459.	7.5	49
26	Both soluble and colloidal iron phases control dissolved iron variability in the tropical North Atlantic Ocean. Geochimica Et Cosmochimica Acta, 2014, 125, 539-550.	3.9	45
27	The composition of dissolved iron in the dusty surface ocean: An exploration using size-fractionated iron-binding ligands. Marine Chemistry, 2015, 173, 125-135.	2.3	43
28	Determination of accurate and precise chromium isotope ratios in seawater samples by MC-ICP-MS illustrated by analysis of SAFe Station in the North Pacific Ocean. Chemical Geology, 2019, 511, 481-493.	3.3	43
29	Dissolved iron and iron isotopes in the southeastern Pacific Ocean. Global Biogeochemical Cycles, 2016, 30, 1372-1395.	4.9	41
30	Recent distribution of lead in the Indian Ocean reflects the impact of regional emissions. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15328-15331.	7.1	39
31	Impact of anthropogenic Pb and ocean circulation on the recent distribution of Pb isotopes in the Indian Ocean. Geochimica Et Cosmochimica Acta, 2015, 170, 126-144.	3.9	35
32	Spatial and temporal evolution of lead isotope ratios in the North Atlantic Ocean between 1981 and 1989. Journal of Geophysical Research, 2003, 108, .	3.3	30
33	An intercalibration between the GEOTRACES GOâ€FLO and the MITESS/Vanes sampling systems for dissolved iron concentration analyses (and a closer look at adsorption effects). Limnology and Oceanography: Methods, 2012, 10, 437-450.	2.0	29
34	Assessment and comparison of Anopore and cross flow filtration methods for the determination of dissolved iron size fractionation into soluble and colloidal phases in seawater. Limnology and Oceanography: Methods, 2014, 12, 246-263.	2.0	28
35	Isotopic record of lead in Singapore Straits during the last 50 years: Spatial and temporal variations. Marine Chemistry, 2015, 168, 49-59.	2.3	24
36	The transfer of bomb radiocarbon and anthropogenic lead to the deep North Atlantic Ocean observed from a deep sea coral. Earth and Planetary Science Letters, 2017, 458, 223-232.	4.4	22

#	Article	IF	Citations
37	Investigating the cycling of chromium in the oxygen deficient waters of the Eastern Tropical North Pacific Ocean and the Santa Barbara Basin using stable isotopes. Marine Chemistry, 2020, 221, 103756.	2.3	22
38	Lead isotope exchange between dissolved and fluvial particulate matter: a laboratory study from the Johor River estuary. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160054.	3.4	21
39	Trivalent chromium isotopes in the eastern tropical North Pacific oxygen-deficient zone. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
40	Trace-Metal Contaminants: Human Footprint on the Ocean. Elements, 2018, 14, 403-408.	0.5	19
41	Dissolved Pb and Pb isotopes in the North Atlantic from the GEOVIDE transect (GEOTRACES GA-01) and their decadal evolution. Biogeosciences, 2018, 15, 4995-5014.	3.3	19
42	Lead in the western South China Sea: Evidence of atmospheric deposition and upwelling. Geophysical Research Letters, 2016, 43, 4490-4499.	4.0	18
43	Thorium distributions in highâ€•and lowâ€dust regions and the significance for iron supply. Global Biogeochemical Cycles, 2017, 31, 328-347.	4.9	18
44	An update of the Pb isotope inventory in post leaded-petrol Singapore environments. Environmental Pollution, 2018, 233, 925-932.	7.5	17
45	Sources, fluxes and residence times of trace elements measured during the U.S. GEOTRACES East Pacific Zonal Transect. Marine Chemistry, 2020, 222, 103781.	2.3	15
46	Lead and lead isotopes in the U.S. GEOTRACES East Pacific zonal transect (GEOTRACES GP16). Marine Chemistry, 2020, 227, 103892.	2.3	14
47	Introduction to the French GEOTRACES North Atlantic Transect (GA01): GEOVIDE cruise. Biogeosciences, 2018, 15, 7097-7109.	3.3	10
48	OCEANOGRAPHY: A Direct Proxy for Oceanic Phosphorus?. Science, 2006, 312, 1758-1759.	12.6	4
49	Monsoonal variations of lead (Pb) in coastal waters around Singapore. Marine Pollution Bulletin, 2022, 179, 113654.	5.0	4
50	A Lagrangian View of Trace Elements and Isotopes in the North Pacific. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015862.	2.6	2