

Robert P Mason

List of Publications by Year in descending order

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168
papers

18,191
citations

14124

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130
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178
all docs

178
docs citations

178
times ranked

9762
citing authors

#	ARTICLE	IF	CITATIONS
1	Mercury as a Global Pollutant: Sources, Pathways, and Effects. <i>Environmental Science & Technology</i> , 2013, 47, 4967-4983.	4.6	1,729
2	Global mercury emissions to the atmosphere from anthropogenic and natural sources. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5951-5964.	1.9	1,155
3	The biogeochemical cycling of elemental mercury: Anthropogenic influences. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3191-3198.	1.6	942
4	The Case for Atmospheric Mercury Contamination in Remote Areas. <i>Environmental Science & Technology</i> , 1998, 32, 1-7.	4.6	868
5	Sulfide Controls on Mercury Speciation and Bioavailability to Methylating Bacteria in Sediment Pore Waters. <i>Environmental Science & Technology</i> , 1999, 33, 951-957.	4.6	625
6	Uptake, Toxicity, and Trophic Transfer of Mercury in a Coastal Diatom. <i>Environmental Science & Technology</i> , 1996, 30, 1835-1845.	4.6	571
7	Mercury biogeochemical cycling in the ocean and policy implications. <i>Environmental Research</i> , 2012, 119, 101-117.	3.7	477
8	Mercury Methylation by Dissimilatory Iron-Reducing Bacteria. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7919-7921.	1.4	448
9	Whole-ecosystem study shows rapid fish-mercury response to changes in mercury deposition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16586-16591.	3.3	398
10	Factors Controlling the Bioaccumulation of Mercury, Methylmercury, Arsenic, Selenium, and Cadmium by Freshwater Invertebrates and Fish. <i>Archives of Environmental Contamination and Toxicology</i> , 2000, 38, 283-297.	2.1	333
11	The Influence of Sulfide on Solid-Phase Mercury Bioavailability for Methylation by Pure Cultures of <i>Desulfobulbus propionicus</i> (1pr3). <i>Environmental Science & Technology</i> , 2001, 35, 127-132.	4.6	270
12	The distribution and biogeochemical cycling of mercury in the equatorial Pacific Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1993, 40, 1897-1924.	0.6	239
13	Human impacts on open ocean mercury concentrations. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	1.9	239
14	Speciation and Cycling of Mercury in Lavaca Bay, Texas, Sediments. <i>Environmental Science & Technology</i> , 1999, 33, 7-13.	4.6	226
15	An Improved Global Model for Air-Sea Exchange of Mercury: High Concentrations over the North Atlantic. <i>Environmental Science & Technology</i> , 2010, 44, 8574-8580.	4.6	225
16	Mercury speciation in the San Francisco Bay estuary. <i>Marine Chemistry</i> , 2003, 80, 199-225.	0.9	208
17	Mercury in the Chesapeake Bay. <i>Marine Chemistry</i> , 1999, 65, 77-96.	0.9	205
18	Mercury in the North Atlantic. <i>Marine Chemistry</i> , 1998, 61, 37-53.	0.9	198

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19	Air-sea exchange in the global mercury cycle. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	1.9	193
20	Factors influencing the oxidation, reduction, methylation and demethylation of mercury species in coastal waters. <i>Marine Chemistry</i> , 2007, 107, 278-294.	0.9	182
21	Sources and deposition of reactive gaseous mercury in the marine atmosphere. <i>Atmospheric Environment</i> , 2009, 43, 2278-2285.	1.9	179
22	Reactive gaseous mercury formation in the North Pacific Ocean's marine boundary layer: A potential role of halogen chemistry. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	160
23	Constants for mercury binding by dissolved organic matter isolates from the Florida Everglades. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 4445-4451.	1.6	158
24	The distribution and speciation of mercury in the South and equatorial Atlantic. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1999, 46, 937-956.	0.6	157
25	Sedimentâ”Water Fluxes of Mercury in Lavaca Bay, Texas. <i>Environmental Science & Technology</i> , 1999, 33, 663-669.	4.6	155
26	Observational and Modeling Constraints on Global Anthropogenic Enrichment of Mercury. <i>Environmental Science & Technology</i> , 2015, 49, 4036-4047.	4.6	152
27	Mercury methylation in estuaries: Insights from using measuring rates using stable mercury isotopes. <i>Marine Chemistry</i> , 2006, 102, 134-147.	0.9	151
28	Accumulation of mercury in estuarine food chains. <i>Biogeochemistry</i> , 1998, 40, 235-247.	1.7	149
29	Mercury in Lake Michigan. <i>Environmental Science & Technology</i> , 1997, 31, 942-947.	4.6	148
30	Mercury in the Atlantic Ocean: factors controlling airâ”sea exchange of mercury and its distribution in the upper waters. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 2829-2853.	0.6	144
31	Cycling of volatile mercury in temperate lakes. <i>Water, Air, and Soil Pollution</i> , 1991, 56, 791-803.	1.1	139
32	Speciation and Fate of Arsenic in Three Lakes of the Aberjona Watershed. <i>Environmental Science & Technology</i> , 1994, 28, 577-585.	4.6	135
33	Mercury distributions in the North Pacific Oceanâ”20 years of observations. <i>Marine Chemistry</i> , 2004, 90, 3-19.	0.9	132
34	Methylmercury production in sediments of Chesapeake Bay and the mid-Atlantic continental margin. <i>Marine Chemistry</i> , 2009, 114, 86-101.	0.9	132
35	Concentration, distribution, and bioavailability of mercury and methylmercury in sediments of Baltimore Harbor and Chesapeake Bay, Maryland, USA. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 2438-2447.	2.2	127
36	Updated Global and Oceanic Mercury Budgets for the United Nations Global Mercury Assessment 2018. <i>Environmental Science & Technology</i> , 2018, 52, 11466-11477.	4.6	125

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37	Mercury and methylmercury transport through an urban watershed. <i>Water Research</i> , 1998, 32, 321-330.	5.3	116
38	Freshwater discharges drive high levels of methylmercury in Arctic marine biota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11789-11794.	3.3	116
39	CONCENTRATION, DISTRIBUTION, AND BIOAVAILABILITY OF MERCURY AND METHYLMERCURY IN SEDIMENTS OF BALTIMORE HARBOR AND CHESAPEAKE BAY, MARYLAND, USA. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 2438.	2.2	113
40	Methylmercury Production in Estuarine Sediments: Role of Organic Matter. <i>Environmental Science & Technology</i> , 2013, 47, 695-700.	4.6	111
41	Contrasting Effects of Marine and Terrestrially Derived Dissolved Organic Matter on Mercury Speciation and Bioavailability in Seawater. <i>Environmental Science & Technology</i> , 2015, 49, 5965-5972.	4.6	109
42	Enhanced availability of mercury bound to dissolved organic matter for methylation in marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 194, 153-162.	1.6	105
43	The fate and transport of mercury, methylmercury, and other trace metals in Chesapeake Bay tributaries. <i>Water Research</i> , 2001, 35, 501-515.	5.3	103
44	Mercury and methylmercury cycling in sediments of the mid-Atlantic continental shelf and slope. <i>Limnology and Oceanography</i> , 2010, 55, 2703-2722.	1.6	101
45	Mercury associated with colloidal material in an estuarine and an open-ocean environment. <i>Marine Chemistry</i> , 1996, 55, 177-188.	0.9	99
46	Mercury Isotope Study of Sources and Exposure Pathways of Methylmercury in Estuarine Food Webs in the Northeastern U.S.. <i>Environmental Science & Technology</i> , 2014, 48, 10089-10097.	4.6	97
47	Intestinal Solubilization of Particle-Associated Organic and Inorganic Mercury as a Measure of Bioavailability to Benthic Invertebrates. <i>Environmental Science & Technology</i> , 1999, 33, 1871-1876.	4.6	94
48	INFLUENCE OF DISSOLVED ORGANIC MATTER ON THE COMPLEXATION OF MERCURY UNDER SULFIDIC CONDITIONS. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 624.	2.2	92
49	An examination of the factors influencing the flux of mercury, methylmercury and other constituents from estuarine sediment. <i>Marine Chemistry</i> , 2006, 102, 96-110.	0.9	90
50	Progress on Understanding Atmospheric Mercury Hampered by Uncertain Measurements. <i>Environmental Science & Technology</i> , 2014, 48, 7204-7206.	4.6	90
51	A Critical Time for Mercury Science to Inform Global Policy. <i>Environmental Science & Technology</i> , 2018, 52, 9556-9561.	4.6	90
52	Mercury and methylmercury in Hudson River sediment: impact of tidal resuspension on partitioning and methylation. <i>Marine Chemistry</i> , 2004, 90, 75-89.	0.9	89
53	ESTIMATION OF MERCURY-SULFIDE SPECIATION IN SEDIMENT PORE WATERS USING OCTANOL-WATER PARTITIONING AND IMPLICATIONS FOR AVAILABILITY TO METHYLATING BACTERIA. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 2138.	2.2	88
54	Toward an Assessment of the Global Inventory of Present-Day Mercury Releases to Freshwater Environments. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 138.	1.2	87

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55	Multi-decadal decline of mercury in the North Atlantic atmosphere explained by changing subsurface seawater concentrations. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	85
56	Benthic and Pelagic Pathways of Methylmercury Bioaccumulation in Estuarine Food Webs of the Northeast United States. <i>PLoS ONE</i> , 2014, 9, e89305.	1.1	84
57	An Examination of Methods for the Measurements of Reactive Gaseous Mercury in the Atmosphere. <i>Environmental Science & Technology</i> , 2001, 35, 1209-1216.	4.6	83
58	Monitoring the Response to Changing Mercury Deposition. <i>Environmental Science & Technology</i> , 2005, 39, 14A-22A.	4.6	83
59	The impact of resuspension on sediment mercury dynamics, and methylmercury production and fate: A mesocosm study. <i>Marine Chemistry</i> , 2006, 102, 300-315.	0.9	83
60	Anthropogenic mercury emissions in South Africa: Coal combustion in power plants. <i>Atmospheric Environment</i> , 2008, 42, 6620-6626.	1.9	83
61	Mercury concentration and speciation in the coastal and open ocean boundary layer. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	82
62	Nutrient supply and mercury dynamics in marine ecosystems: A conceptual model. <i>Environmental Research</i> , 2012, 119, 118-131.	3.7	78
63	The sources and composition of mercury in Pacific Ocean rain. <i>Journal of Atmospheric Chemistry</i> , 1992, 14, 489-500.	1.4	76
64	Mercury Speciation in Drainage from the New Idria Mercury Mine, California. <i>Environmental Science & Technology</i> , 2000, 34, 4773-4779.	4.6	76
65	How closely do mercury trends in fish and other aquatic wildlife track those in the atmosphere? Implications for evaluating the effectiveness of the Minamata Convention. <i>Science of the Total Environment</i> , 2019, 674, 58-70.	3.9	75
66	Mercury emissions from natural processes and their importance in the global mercury cycle. , 2009, , 173-191.		75
67	Concentration of Mercury, Methylmercury, Cadmium, Lead, Arsenic, and Selenium in the Rain and Stream Water of Two Contrasting Watersheds in Western Maryland. <i>Water Research</i> , 2001, 35, 4039-4052.	5.3	74
68	METHYLMERCURY UPTAKE AND DISTRIBUTION KINETICS IN SHEEPSHEAD MINNOWS, CYPRINODON VARIEGATUS, AFTER EXPOSURE TO CH ₃ Hg-SPIKED FOOD. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 2138.	2.2	74
69	The concentration, speciation and sources of mercury in Chesapeake Bay precipitation. <i>Atmospheric Environment</i> , 1997, 31, 3541-3550.	1.9	72
70	Sources of Mercury Exposure for U.S. Seafood Consumers: Implications for Policy. <i>Environmental Health Perspectives</i> , 2010, 118, 137-143.	2.8	72
71	Elemental Mercury Concentrations and Fluxes in the Tropical Atmosphere and Ocean. <i>Environmental Science & Technology</i> , 2014, 48, 11312-11319.	4.6	72
72	Mercury Methylation by <i>Desulfovibrio desulfuricans</i> ND132 in the Presence of Polysulfides. <i>Applied and Environmental Microbiology</i> , 2002, 68, 5741-5745.	1.4	71

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73	An examination of the factors influencing mercury and methylmercury particulate distributions, methylation and demethylation rates in laboratory-generated marine snow. <i>Marine Chemistry</i> , 2015, 177, 753-762.	0.9	70
74	Atmospheric deposition to the Chesapeake Bay watershed—regional and local sources. <i>Atmospheric Environment</i> , 1997, 31, 3531-3540.	1.9	69
75	Development and application of a poly(2,2-dithiodianiline) (PDTDA)-coated screen-printed carbon electrode in inorganic mercury determination. <i>Electrochimica Acta</i> , 2010, 55, 4240-4246.	2.6	66
76	Investigation of Porewater Sampling Methods for Mercury and Methylmercury. <i>Environmental Science & Technology</i> , 1998, 32, 4031-4040.	4.6	65
77	MercNet: a national monitoring network to assess responses to changing mercury emissions in the United States. <i>Ecotoxicology</i> , 2011, 20, 1713-1725.	1.1	65
78	Drivers of Surface Ocean Mercury Concentrations and Air–Sea Exchange in the West Atlantic Ocean. <i>Environmental Science & Technology</i> , 2013, 47, 7757-7765.	4.6	65
79	Impacts of farmed fish consumption and food trade on methylmercury exposure in China. <i>Environment International</i> , 2018, 120, 333-344.	4.8	65
80	Sediment-Porewater Partitioning, Total Sulfur, and Methylmercury Production in Estuaries. <i>Environmental Science & Technology</i> , 2014, 48, 954-960.	4.6	63
81	An intercomparison of procedures for the determination of total mercury in seawater and recommendations regarding mercury speciation during GEOTRACES cruises. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 90-100.	1.0	62
82	The effect of resuspension on the fate of total mercury and methyl mercury in a shallow estuarine ecosystem: a mesocosm study. <i>Marine Chemistry</i> , 2004, 86, 121-137.	0.9	61
83	Dimethylmercury Formation Mediated by Inorganic and Organic Reduced Sulfur Surfaces. <i>Scientific Reports</i> , 2016, 6, 27958.	1.6	61
84	Arctic mercury cycling. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 270-286.	12.2	60
85	Mercury accumulation and flux across the gills and the intestine of the blue crab (<i>Callinectes</i>) Tj ETQq1 1 0.784314 r _g BT /Overlock 10	1.9	50
86	Total mercury in the water column near the shelf edge of the European continental margin. <i>Marine Chemistry</i> , 2004, 90, 21-29.	0.9	50
87	Effect of Inorganic and Organic Ligands on the Bioavailability of Methylmercury as Determined by Using a <i>mer-lux</i> Bioreporter. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7276-7282.	1.4	50
88	Methylmercury Concentrations in Fish from Tidal Waters of The Chesapeake Bay. <i>Archives of Environmental Contamination and Toxicology</i> , 2006, 51, 425-437.	2.1	48
89	Sulfide Controls on Mercury Speciation and Bioavailability to Methylating Bacteria in Sediment Pore Waters. <i>Environmental Science & Technology</i> , 1999, 33, 1780-1780.	4.6	47
90	Interannual Variability in the Speciation and Mobility of Arsenic in a Dimictic Lake. <i>Environmental Science & Technology</i> , 1995, 29, 2157-2161.	4.6	46

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91	The concentration and distribution of mercury in Lake Michigan. <i>Science of the Total Environment</i> , 1998, 213, 213-228.	3.9	46
92	Estimate of mercury emission from gasoline and diesel fuel consumption, San Francisco Bay area, California. <i>Atmospheric Environment</i> , 2005, 39, 101-105.	1.9	43
93	Mercury Fate and Transport in the Global Atmosphere. , 2009, , .		43
94	The impact of sea ice on the air-sea exchange of mercury in the Arctic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 144, 28-38.	0.6	43
95	Factors Controlling the Bioavailability of Ingested Methylmercury to Channel Catfish and Atlantic Sturgeon. <i>Environmental Science & Technology</i> , 2002, 36, 5124-5129.	4.6	41
96	Sources of water column methylmercury across multiple estuaries in the Northeast U.S.. <i>Marine Chemistry</i> , 2015, 177, 721-730.	0.9	41
97	Methylmercury accumulation and fluxes across the intestine of channel catfish, <i>Ictalurus punctatus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 132, 247-259.	1.3	40
98	Effect of tidal resuspension on benthic-pelagic coupling in an experimental ecosystem study. <i>Marine Ecology - Progress Series</i> , 2010, 413, 33-53.	0.9	40
99	A new method for the investigation of mercury redox chemistry in natural waters utilizing deflatable Teflon® bags and additions of isotopically labeled mercury. <i>Analytica Chimica Acta</i> , 2006, 558, 211-221.	2.6	39
100	The air-sea exchange of mercury in the low latitude Pacific and Atlantic Oceans. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 122, 17-28.	0.6	39
101	Mercury and methylmercury incidence and bioaccumulation in plankton from the central Pacific Ocean. <i>Marine Chemistry</i> , 2015, 177, 772-780.	0.9	38
102	Experimental evidence for recovery of mercury-contaminated fish populations. <i>Nature</i> , 2022, 601, 74-78.	13.7	38
103	The Global Mercury Cycle: Oceanic and Anthropogenic Aspects. , 1996, , 85-108.		37
104	Metal accumulation in Baltimore Harbor: current and past inputs. <i>Applied Geochemistry</i> , 2004, 19, 1801-1825.	1.4	37
105	An examination of the ingestion, bioaccumulation, and depuration of titanium dioxide nanoparticles by the blue mussel (<i>Mytilus edulis</i>) and the eastern oyster (<i>Crassostrea virginica</i>). <i>Marine Environmental Research</i> , 2015, 110, 45-52.	1.1	37
106	Integrated Mercury Monitoring Program for Temperate Estuarine and Marine Ecosystems on the North American Atlantic Coast. <i>EcoHealth</i> , 2008, 5, 426-441.	0.9	36
107	Impact of Water-Induced Soil Erosion on the Terrestrial Transport and Atmospheric Emission of Mercury in China. <i>Environmental Science & Technology</i> , 2018, 52, 6945-6956.	4.6	36
108	The impact of the Three Gorges Dam on the fate of metal contaminants across the river-ocean continuum. <i>Water Research</i> , 2020, 185, 116295.	5.3	36

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109	Estimation of mercury-sulfide speciation in sediment pore waters using octanol-water partitioning and implications for availability to methylating bacteria. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 2138-2141.	2.2	35
110	Organomercury Compounds in the Environment. , 0, , 57-99.		35
111	Determination of inorganic mercury using a polyaniline and polyaniline-methylene blue coated screen-printed carbon electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2010, 90, 671-685.	1.8	35
112	Benefits of Regulating Hazardous Air Pollutants from Coal and Oil-Fired Utilities in the United States. <i>Environmental Science & Technology</i> , 2016, 50, 2117-2120.	4.6	35
113	Investigations into the bioavailability and bioaccumulation of mercury and other trace metals to the sea cucumber, <i>Sclerodactyla briareus</i> , using in vitro solubilization. <i>Marine Pollution Bulletin</i> , 2003, 46, 1600-1608.	2.3	34
114	Decadal mercury trends in San Francisco Estuary sediments. <i>Environmental Research</i> , 2007, 105, 53-66.	3.7	34
115	Mercury contamination history of an estuarine floodplain reconstructed from a 210Pb-dated sediment core (Berg River, South Africa). <i>Marine Pollution Bulletin</i> , 2009, 59, 116-122.	2.3	34
116	Role of Sediment Resuspension on Estuarine Suspended Particulate Mercury Dynamics. <i>Environmental Science & Technology</i> , 2018, 52, 7736-7744.	4.6	34
117	Seasonal Cycling and Transport of Mercury and Methylmercury in the Turbidity Maximum of the Delaware Estuary. <i>Aquatic Geochemistry</i> , 2016, 22, 313-336.	1.5	33
118	Factors controlling the photochemical degradation of methylmercury in coastal and oceanic waters. <i>Marine Chemistry</i> , 2017, 196, 116-125.	0.9	32
119	An assessment of the impact of artisanal and commercial gold mining on mercury and methylmercury levels in the environment and fish in Cote d'Ivoire. <i>Science of the Total Environment</i> , 2019, 665, 1158-1167.	3.9	32
120	The Global Marine Selenium Cycle: Insights From Measurements and Modeling. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1720-1737.	1.9	30
121	The Use of a Mercury Biosensor to Evaluate the Bioavailability of Mercury-Thiol Complexes and Mechanisms of Mercury Uptake in Bacteria. <i>PLoS ONE</i> , 2015, 10, e0138333.	1.1	30
122	Factors Controlling Mercury and Methylmercury Concentrations in Largemouth Bass (<i>Micropterus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	29
123	Mercury bioaccumulation increases with latitude in a coastal marine fish (Atlantic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td 1009-1015.	0.7	29
124	Marine mercury fate: From sources to seafood consumers. <i>Environmental Research</i> , 2012, 119, 1-2.	3.7	28
125	A modeling study on methylmercury bioaccumulation and its controlling factors. <i>Ecological Modelling</i> , 2008, 218, 267-289.	1.2	27
126	Effects of bottom water oxygen concentrations on mercury distribution and speciation in sediments below the oxygen minimum zone of the Arabian Sea. <i>Marine Chemistry</i> , 2016, 186, 24-32.	0.9	27

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127	Spatial and temporal trophic transfer dynamics of mercury and methylmercury into zooplankton and phytoplankton of Long Island Sound. <i>Limnology and Oceanography</i> , 2017, 62, 1122-1138.	1.6	27
128	Rapid Increase in the Lateral Transport of Trace Elements Induced by Soil Erosion in Major Karst Regions in China. <i>Environmental Science & Technology</i> , 2019, 53, 4206-4214.	4.6	27
129	An Examination of the Oxidation of Elemental Mercury in the Presence of Halide Surfaces. <i>Journal of Atmospheric Chemistry</i> , 2004, 48, 107-130.	1.4	24
130	Mercury and metals in South African precipitation. <i>Atmospheric Environment</i> , 2013, 79, 286-298.	1.9	24
131	Exposure of bivalve shellfish to titania nanoparticles under an environmental-spill scenario: Encounter, ingestion and egestion. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2016, 96, 137-149.	0.4	24
132	Effect of ligands and other metals on the uptake of mercury and methylmercury across the gills and the intestine of the blue crab (<i>Callinectes sapidus</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 131, 185-196.	1.3	23
133	Mercury flux from salt marsh sediments: Insights from a comparison between ²²⁴ Ra/ ²²⁸ Th disequilibrium and core incubation methods. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 222, 569-583.	1.6	23
134	Wet and dry deposition of mercury in Bermuda. <i>Atmospheric Environment</i> , 2014, 87, 249-257.	1.9	20
135	Connecting mercury science to policy: from sources to seafood. <i>Reviews on Environmental Health</i> , 2016, 31, 17-20.	1.1	19
136	The effect of aqueous speciation and cellular ligand binding on the biotransformation and bioavailability of methylmercury in mercury-resistant bacteria. <i>Biodegradation</i> , 2016, 27, 29-36.	1.5	19
137	Methylmercury Bioaccumulation in an Urban Estuary: Delaware River, USA. <i>Estuaries and Coasts</i> , 2017, 40, 1358-1370.	1.0	18
138	Controls on methylmercury accumulation in northern Gulf of Mexico sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 159, 50-59.	0.9	17
139	Traditional Tibetan Medicine Induced High Methylmercury Exposure Level and Environmental Mercury Burden in Tibet, China. <i>Environmental Science & Technology</i> , 2018, 52, 8838-8847.	4.6	17
140	Historic contamination alters mercury sources and cycling in temperate estuaries relative to uncontaminated sites. <i>Water Research</i> , 2021, 190, 116684.	5.3	17
141	Mercury emissions from point sources in South Africa. , 2009, , 113-130.		16
142	Speciation and Distribution of Atmospheric Mercury over the Northern Chesapeake Bay. <i>ACS Symposium Series</i> , 2002, , 223-242.	0.5	15
143	Disturbance impacts on mercury dynamics in northern Gulf of Mexico sediments. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	15
144	The precipitation, growth and stability of mercury sulfide nanoparticles formed in the presence of marine dissolved organic matter. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 642-656.	1.7	14

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145	Patterns in forage fish mercury concentrations across Northeast US estuaries. <i>Environmental Research</i> , 2021, 194, 110629.	3.7	14
146	The effect of thiolate organic compounds on methylmercury accumulation and redistribution in sheepshead minnows, <i>Cyprinodon variegatus</i> . <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1557-1563.	2.2	13
147	Mercury and methylmercury uptake and trophic transfer from marine diatoms to copepods and field collected zooplankton. <i>Marine Environmental Research</i> , 2021, 170, 105446.	1.1	12
148	Distribution of total mercury and methylated mercury species in Central Arctic Ocean water and ice. <i>Marine Chemistry</i> , 2022, 242, 104105.	0.9	10
149	Century-old mercury pollution: Evaluating the impacts on local fish from the eastern United States. <i>Chemosphere</i> , 2020, 259, 127484.	4.2	9
150	Effects of shear stress and hard clams on seston, microphytobenthos, and nitrogen dynamics in mesocosms with tidal resuspension. <i>Marine Ecology - Progress Series</i> , 2013, 479, 25-45.	0.9	9
151	Air-sea Exchange and Marine Boundary Layer Atmospheric Transformation of Hg and their Importance in the Global Mercury Cycle. , 2005, , 213-239.		7
152	The interaction of mercury and methylmercury with chalcogenide nanoparticles. <i>Environmental Pollution</i> , 2019, 255, 113346.	3.7	7
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