

# Mercury as a Global Pollutant: Sources, Pathways, and E

Environmental Science & Technology

47, 4967-4983

DOI: [10.1021/es305071v](https://doi.org/10.1021/es305071v)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The presence of EU priority substances mercury, hexachlorobenzene, hexachlorobutadiene and PBDEs in wild fish from four English rivers. <i>Science of the Total Environment</i> , 2013, 461-462, 441-452.	3.9	74
2	Mercury exposed: Advances in environmental analysis and ecotoxicology of a highly toxic metal. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 2175-2178.	2.2	37
3	Rapid speciation analysis of mercury in seawater and marine fish by cation exchange chromatography hyphenated with inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1314, 86-93.	1.8	91
4	Total Gaseous Mercury Concentration Measurements at Fort McMurray, Alberta, Canada. <i>Atmosphere</i> , 2013, 4, 472-493.	1.0	18
5	Temporal Variation in Fish Mercury Concentrations within Lakes from the Western Aleutian Archipelago, Alaska. <i>PLoS ONE</i> , 2014, 9, e102244.	1.1	7
6	Assessment of Total Mercury (HgT) in Sediments and Biota of Indian Sundarban Wetland and Adjacent Coastal Regions. <i>Environment and Natural Resources Research</i> , 2014, 4, .	0.1	8
7	Chemical and physical transformations of mercury in the ocean: a review. <i>Ocean Science</i> , 2014, 10, 1047-1063.	1.3	35
8	Mercury in the Anthropocene Ocean. <i>Oceanography</i> , 2014, 27, 76-87.	0.5	60
9	Soil mercury and its response to atmospheric mercury deposition across the northeastern United States. <i>Ecological Applications</i> , 2014, 24, 812-822.	1.8	59
10	In vivo and in vitro changes in neurochemical parameters related to mercury concentrations from specific brain regions of polar bears ( <i>Ursus maritimus</i> ). <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2463-2471.	2.2	13
11	Invasive crayfish as vectors of mercury in freshwater food webs of the Pacific Northwest. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2639-2645.	2.2	11
12	The Influence of Littoral on Mercury Bioaccumulation in a Humic Lake. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	6
14	Biomagnification of mercury through a subtropical coastal food web off Southwest Florida. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 65-73.	2.2	21
15	Avian, salamander, and forest floor mercury concentrations increase with elevation in a terrestrial ecosystem. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 208-215.	2.2	33
16	The GMOS cyber(e)-infrastructure: advanced services for supporting science and policy. <i>Environmental Science and Pollution Research</i> , 2014, 21, 4193-4208.	2.7	12
17	Changing climate alters inputs and pathways of mercury deposition to forested ecosystems. <i>Biogeochemistry</i> , 2014, 119, 215-228.	1.7	69
18	Development and application of a regional-scale atmospheric mercury model based on WRF/Chem: a Mediterranean area investigation. <i>Environmental Science and Pollution Research</i> , 2014, 21, 4095-4109.	2.7	35
19	Evaluation of the use of metallothionein as a biomarker for detecting physiological responses to mercury exposure in the bonnethead, <i>Sphyrna tiburo</i> . <i>Fish Physiology and Biochemistry</i> , 2014, 40, 1361-1371.	0.9	15

#	ARTICLE	IF	CITATIONS
20	Mercury pollution in fish from South China Sea: Levels, species-specific accumulation, and possible sources. <i>Environmental Research</i> , 2014, 131, 160-164.	3.7	57
21	Exposure to mercury among Spanish preschool children: Trend from birth to age four. <i>Environmental Research</i> , 2014, 132, 83-92.	3.7	28
22	Selenium and mercury have a synergistic negative effect on fish reproduction. <i>Aquatic Toxicology</i> , 2014, 149, 16-24.	1.9	67
23	Trends and advances in mercury stable isotopes as a geochemical tracer. <i>Trends in Environmental Analytical Chemistry</i> , 2014, 2, 1-10.	5.3	74
24	Mercury exposure in a large subantarctic avian community. <i>Environmental Pollution</i> , 2014, 190, 51-57.	3.7	72
25	Atmospheric Hg Emissions from Preindustrial Gold and Silver Extraction in the Americas: A Reevaluation from Lake-Sediment Archives. <i>Environmental Science &amp; Technology</i> , 2014, 48, 6533-6543.	4.6	123
26	Influence of humic acid on adsorption of Hg(II) by vermiculite. <i>Journal of Environmental Management</i> , 2014, 143, 1-7.	3.8	32
27	Species-specific isotope dilution-GC-ICP-MS for accurate and precise measurement of methylmercury in water, sediments and biological tissues. <i>Analytical Methods</i> , 2014, 6, 164-169.	1.3	14
28	In-atomizer atom trapping on gold nanoparticles for sensitive determination of mercury by flow injection cold vapor generation atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 367-373.	1.6	15
29	Wet and dry deposition of mercury in Bermuda. <i>Atmospheric Environment</i> , 2014, 87, 249-257.	1.9	20
30	Methylmercury production in and export from agricultural wetlands in California, USA: The need to account for physical transport processes into and out of the root zone. <i>Science of the Total Environment</i> , 2014, 472, 957-970.	3.9	23
31	Metal-Organic Framework Templated Inorganic Sorbents for Rapid and Efficient Extraction of Heavy Metals. <i>Advanced Materials</i> , 2014, 26, 7993-7997.	11.1	148
32	Temporal and spatial distributions of sediment mercury in restored coastal saltmarshes. <i>Marine Chemistry</i> , 2014, 167, 150-159.	0.9	8
33	Application of diffusive gel-type probes for assessing redox zonation and mercury methylation in the Mekong Delta sediment. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 1799-1808.	1.7	12
34	Mercury Oxidation via Chlorine, Bromine, and Iodine under Atmospheric Conditions: Thermochemistry and Kinetics. <i>Journal of Physical Chemistry A</i> , 2014, 118, 2959-2975.	1.1	41
35	Lacustrine Responses to Decreasing Wet Mercury Deposition Rates—Results from a Case Study in Northern Minnesota. <i>Environmental Science &amp; Technology</i> , 2014, 48, 6115-6123.	4.6	14
36	Antecedent moisture conditions control mercury and dissolved organic carbon concentration dynamics in a boreal headwater catchment. <i>Water Resources Research</i> , 2014, 50, 6610-6627.	1.7	22
37	Patterns and source analysis for atmospheric mercury at Auchencorth Moss, Scotland. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 1112-1123.	1.7	10

#	ARTICLE	IF	CITATIONS
38	Development of a gold nanoparticle based anti-aggregation method for rapid detection of mercury(ii) in aqueous solutions. <i>Analytical Methods</i> , 2014, 6, 5690-5696.	1.3	11
39	Quantum Chemistry Guide to PTRMS Studies of As-Yet Undetected Products of the Bromine-Atom Initiated Oxidation of Gaseous Elemental Mercury. <i>Journal of Physical Chemistry A</i> , 2014, 118, 7847-7854.	1.1	9
40	Virtual Atmospheric Mercury Emission Network in China. <i>Environmental Science &amp; Technology</i> , 2014, 48, 2807-2815.	4.6	99
41	Can mercury in fish be reduced by water level management? Evaluating the effects of water level fluctuation on mercury accumulation in yellow perch ( <i>Perca flavescens</i> ). <i>Ecotoxicology</i> , 2014, 23, 1555-1563.	1.1	14
42	Selenium prevents downregulation of antioxidant selenoprotein genes by methylmercury. <i>Free Radical Biology and Medicine</i> , 2014, 75, 95-104.	1.3	51
43	Efficient removal and highly selective adsorption of Hg <sup>2+</sup> by polydopamine nanospheres with total recycle capacity. <i>Applied Surface Science</i> , 2014, 314, 166-173.	3.1	41
44	Hydrological Controls on Methylmercury Distribution and Flux in a Tidal Marsh. <i>Environmental Science &amp; Technology</i> , 2014, 48, 6795-6804.	4.6	18
45	Atmospheric Deposition of Mercury and Methylmercury to Landscapes and Waterbodies of the Athabasca Oil Sands Region. <i>Environmental Science &amp; Technology</i> , 2014, 48, 7374-7383.	4.6	116
46	A reactive transport model for mercury fate in soil—application to different anthropogenic pollution sources. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12279-12293.	2.7	32
47	Effect of Divalent Metals on Hg(II) Uptake and Methylation by Bacteria. <i>Environmental Science &amp; Technology</i> , 2014, 48, 3007-3013.	4.6	79
48	Anthropogenic mercury enrichment factors and contributions in soils of Guangdong Province, South China. <i>Journal of Geochemical Exploration</i> , 2014, 144, 312-319.	1.5	43
49	Trends in blood mercury concentrations and fish consumption among U.S. women of reproductive age, NHANES, 1999–2010. <i>Environmental Research</i> , 2014, 133, 431-438.	3.7	45
50	Reprint of “Methylmercury production in and export from agricultural wetlands in California, USA: The need to account for physical transport processes into and out of the root zone” <i>Science of the Total Environment</i> , 2014, 484, 249-262.	3.9	8
51	Speciation of methylmercury in market seafood by thermal degradation, amalgamation and atomic absorption spectroscopy. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 90-96.	2.9	20
52	Intercontinental transport and deposition patterns of atmospheric mercury from anthropogenic emissions. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10163-10176.	1.9	40
53	Mercury-Thiourea Complex Ion Chromatography: Advances in System Chemistry and Applications to Environmental Mercury Speciation Analysis. <i>ACS Symposium Series</i> , 2015, , 115-151.	0.5	2
54	Interactive effects of climate change with nutrients, mercury, and freshwater acidification on key taxa in the North Atlantic Landscape Conservation Cooperative region. <i>Integrated Environmental Assessment and Management</i> , 2015, 11, 355-369.	1.6	11
55	Geochemical influences and mercury methylation of a dental wastewater microbiome. <i>Scientific Reports</i> , 2015, 5, 12872.	1.6	22

#	ARTICLE	IF	CITATIONS
56	Chronic mercury exposure in Late Neolithic/Chalcolithic populations in Portugal from the cultural use of cinnabar. <i>Scientific Reports</i> , 2015, 5, 14679.	1.6	60
57	Decadal Declines of Mercury in Adult Bluefish (1972–2011) from the Mid-Atlantic Coast of the U.S.A.. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9064-9072.	4.6	32
58	Evaluating the effects of China's pollution controls on inter-annual trends and uncertainties of atmospheric mercury emissions. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 4317-4337.	1.9	46
59	Observation and analysis of speciated atmospheric mercury in Shangri-La, Tibetan Plateau, China. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 653-665.	1.9	64
60	Top-down constraints on atmospheric mercury emissions and implications for global biogeochemical cycling. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7103-7125.	1.9	96
61	Observations of atmospheric mercury in China: a critical review. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9455-9476.	1.9	152
62	Oxidation of mercury by bromine in the subtropical Pacific free troposphere. <i>Geophysical Research Letters</i> , 2015, 42, 10,494.	1.5	57
63	On, Ratiometric, and Off Fluorescence Responses of Thioether-Linked Bisquinolines toward $\text{Hg}^{2+}$ and $\text{Fe}^{3+}$ Ions. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3769-3780.	1.0	8
64	An environmental problem hidden in plain sight? Small Human-made ponds, emergent insects, and mercury contamination of biota in the Great Plains. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1197-1205.	2.2	45
65	Microcosm Assessment of the Effect of an Acute Mercury Contamination Event on the Structure and Activity of Sediment Bacterial Communities. , 2015, 01, .		0
66	Atlantic Bottlenose Dolphins ( <i>Tursiops truncatus</i> ) as A Sentinel for Exposure to Mercury in Humans: Closing the Loop. <i>Veterinary Sciences</i> , 2015, 2, 407-422.	0.6	30
67	Meteorological Modeling Using the WRF-ARW Model for Grand Bay Intensive Studies of Atmospheric Mercury. <i>Atmosphere</i> , 2015, 6, 209-233.	1.0	5
68	Determining the Optimum Exposure and Recovery Periods for Efficient Operation of a QCM Based Elemental Mercury Vapor Sensor. <i>Journal of Sensors</i> , 2015, 2015, 1-7.	0.6	6
69	Mercury Sources and Trophic Ecology for Hawaiian Bottomfish. <i>Environmental Science &amp; Technology</i> , 2015, 49, 6909-6918.	4.6	27
70	Experimental Dosing of Wetlands with Coagulants Removes Mercury from Surface Water and Decreases Mercury Bioaccumulation in Fish. <i>Environmental Science &amp; Technology</i> , 2015, 49, 6304-6311.	4.6	20
71	A national statistical survey assessment of mercury concentrations in fillets of fish collected in the U.S. EPA national rivers and streams assessment of the continental USA. <i>Chemosphere</i> , 2015, 122, 52-61.	4.2	19
72	Identifying the Sources and Processes of Mercury in Subtropical Estuarine and Ocean Sediments Using Hg Isotopic Composition. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1347-1355.	4.6	107
73	Site-Directed Mutagenesis of HgcA and HgcB Reveals Amino Acid Residues Important for Mercury Methylation. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3205-3217.	1.4	73

#	ARTICLE	IF	CITATIONS
74	An improved dual-stage protocol to pre-concentrate mercury from airborne particles for precise isotopic measurement. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 957-966.	1.6	80
75	Songbirds as sentinels of mercury in terrestrial habitats of eastern North America. <i>Ecotoxicology</i> , 2015, 24, 453-467.	1.1	84
76	Identification and Prioritization of Management Practices to Reduce Methylmercury Exports from Wetlands and Irrigated Agricultural Lands. <i>Environmental Management</i> , 2015, 55, 725-740.	1.2	7
77	Mercury Stable Isotopes in Ornithogenic Deposits As Tracers of Historical Cycling of Mercury in Ross Sea, Antarctica. <i>Environmental Science &amp; Technology</i> , 2015, 49, 7623-7632.	4.6	42
78	Using foliar and forest floor mercury concentrations to assess spatial patterns of mercury deposition. <i>Environmental Pollution</i> , 2015, 202, 126-134.	3.7	41
79	Human Body Burden and Dietary Methylmercury Intake: The Relationship in a Rice-Consuming Population. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9682-9689.	4.6	65
80	Interaction of mercury and selenium in the larval stage zebrafish vertebrate model. <i>Metallomics</i> , 2015, 7, 1247-1255.	1.0	34
81	Detoxification of Mercury by Bacteria Using Crude Glycerol from Biodiesel as a Carbon Source. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	12
82	A switch-on MRI contrast agent for noninvasive visualization of methylmercury. <i>Chemical Communications</i> , 2015, 51, 12032-12035.	2.2	4
83	Mercury Physicochemical and Biogeochemical Transformation in the Atmosphere and at Atmospheric Interfaces: A Review and Future Directions. <i>Chemical Reviews</i> , 2015, 115, 3760-3802.	23.0	323
84	Controls on methylmercury accumulation in northern Gulf of Mexico sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 159, 50-59.	0.9	17
85	Understanding synergetic effect of TiO <sub>2</sub> -supported silver nanoparticle as a sorbent for Hg <sup>0</sup> removal. <i>Chemical Engineering Journal</i> , 2015, 274, 132-142.	6.6	23
86	Model Study of Global Mercury Deposition from Biomass Burning. <i>Environmental Science &amp; Technology</i> , 2015, 49, 6712-6721.	4.6	48
87	Mercury distribution in sediment along urban-rural gradient around Shanghai (China): implication for pollution history. <i>Environmental Science and Pollution Research</i> , 2015, 22, 1697-1704.	2.7	9
88	Co-benefits of mercury reduction in Taiwan: a case study of clean energy development. <i>Sustainability Science</i> , 2015, 10, 61-73.	2.5	8
89	Effect of Gene-Mercury Interactions on Mercury Toxicokinetics and Neurotoxicity. <i>Current Environmental Health Reports</i> , 2015, 2, 179-194.	3.2	48
90	A facile and sensitive electrochemiluminescence biosensor for Hg <sup>2+</sup> analysis based on a dual-function oligonucleotide probe. <i>Biosensors and Bioelectronics</i> , 2015, 71, 194-199.	5.3	54
91	Organic Matter in Rain: An Overlooked Influence on Mercury Deposition. <i>Environmental Science and Technology Letters</i> , 2015, 2, 128-132.	3.9	21

#	ARTICLE	IF	CITATIONS
92	MnO <sub>2</sub> /Graphene for the Catalytic Oxidation and Adsorption of Elemental Mercury. <i>Environmental Science &amp; Technology</i> , 2015, 49, 6823-6830.	4.6	177
93	Mercury Deposition and Re-emission Pathways in Boreal Forest Soils Investigated with Hg Isotope Signatures. <i>Environmental Science &amp; Technology</i> , 2015, 49, 7188-7196.	4.6	242
94	DNA-modified graphene quantum dots as a sensing platform for detection of Hg <sup>2+</sup> in living cells. <i>RSC Advances</i> , 2015, 5, 39587-39591.	1.7	43
95	Rapidly increasing methyl mercury in endangered ivory gull ( <i>Pagophila eburnea</i> ) feathers over a 130 year record. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150032.	1.2	83
96	Regenerable Ag/graphene sorbent for elemental mercury capture at ambient temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 476, 83-89.	2.3	40
97	Deposition of Mercury in Forests along a Montane Elevation Gradient. <i>Environmental Science &amp; Technology</i> , 2015, 49, 5363-5370.	4.6	80
98	An ionic liquid process for mercury removal from natural gas. <i>Dalton Transactions</i> , 2015, 44, 8617-8624.	1.6	104
99	Distribution of mercury in archived fur from little brown bats across Atlantic Canada. <i>Environmental Pollution</i> , 2015, 207, 52-58.	3.7	18
100	Formation of Soluble Mercury Oxide Coatings: Transformation of Elemental Mercury in Soils. <i>Environmental Science &amp; Technology</i> , 2015, 49, 12105-12111.	4.6	17
101	Litter mercury deposition in the Amazonian rainforest. <i>Environmental Pollution</i> , 2015, 206, 605-610.	3.7	40
102	Deforestation and cultivation mobilize mercury from topsoil. <i>Science of the Total Environment</i> , 2015, 532, 467-473.	3.9	16
103	Methyl mercury concentrations in edible fish and shellfish from Dunedin, and other regions around the South Island, New Zealand. <i>Marine Pollution Bulletin</i> , 2015, 101, 386-390.	2.3	19
104	Estimating Mercury Exposure of Piscivorous Birds and Sport Fish Using Prey Fish Monitoring. <i>Environmental Science &amp; Technology</i> , 2015, 49, 13596-13604.	4.6	19
105	Quality Structures, Vibrational Frequencies, and Thermochemistry of the Products of Reaction of BrHg <sup>+</sup> with NO <sub>2</sub> , HO <sub>2</sub> , ClO, BrO, and IO. <i>Journal of Physical Chemistry A</i> , 2015, 119, 10502-10510.	1.1	27
106	High Mercury Wet Deposition at a "Clean Air" Site in Puerto Rico. <i>Environmental Science &amp; Technology</i> , 2015, 49, 12474-12482.	4.6	26
107	Global prevalence and distribution of genes and microorganisms involved in mercury methylation. <i>Science Advances</i> , 2015, 1, e1500675.	4.7	355
108	A fluorescent chitosan hydrogel detection platform for the sensitive and selective determination of trace mercury(II) in water. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19455-19460.	5.2	66
109	Mercury offloaded in Northern elephant seal hair affects coastal seawater surrounding rookery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12058-12062.	3.3	21

#	ARTICLE	IF	CITATIONS
110	Influences on and patterns in total gaseous mercury (TGM) at Harwell, England. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 586-595.	1.7	3
111	Voltammetric tools for trace element speciation in fresh waters: methodologies, outcomes and future perspectives. <i>Environmental Chemistry</i> , 2015, 12, 683.	0.7	10
112	Removal of mercury (II) from wastewater by polyvinylamine-enhanced ultrafiltration. <i>Separation and Purification Technology</i> , 2015, 154, 1-10.	3.9	70
113	Projecting Fish Mercury Levels in the Province of Ontario, Canada and the Implications for Fish and Human Health. <i>Environmental Science &amp; Technology</i> , 2015, 49, 14494-14502.	4.6	20
114	Effectiveness of Emission Controls to Reduce the Atmospheric Concentrations of Mercury. <i>Environmental Science &amp; Technology</i> , 2015, 49, 14000-14007.	4.6	30
115	Mercury speciation in liquid petroleum products: Comparison between on-site approach and lab measurement using size exclusion chromatography with high resolution inductively coupled plasma mass spectrometric detection (SEC-ICP-HR MS). <i>Fuel Processing Technology</i> , 2015, 131, 254-261.	3.7	26
116	Hollow fiber supported ionic liquid membrane microextraction for speciation of mercury by high-performance liquid chromatography-inductively coupled plasma mass spectrometry. <i>Analytical Methods</i> , 2015, 7, 1140-1146.	1.3	25
117	The cooperation of FeSn in a MnOx complex sorbent used for capturing elemental mercury. <i>Fuel</i> , 2015, 140, 803-809.	3.4	45
118	Interpretation of the source-specific substantive control measures of the Minamata Convention on Mercury. <i>Environment International</i> , 2015, 75, 1-10.	4.8	14
119	Assessment of neurotoxic effects of mercury in beluga whales ( <i>Delphinapterus leucas</i> ), ringed seals ( <i>Pusa hispida</i> ), and polar bears ( <i>Ursus maritimus</i> ) from the Canadian Arctic. <i>Science of the Total Environment</i> , 2015, 509-510, 237-247.	3.9	48
120	Removal of mercury from flue gas from nonferrous metal smelting, by use of mercury chloride solution, and mechanisms of inhibition by sulfur dioxide. <i>Research on Chemical Intermediates</i> , 2015, 41, 5889-5905.	1.3	11
122	Seasonal variations in metallic mercury (Hg <sup>0</sup> ) vapor exchange over biannual wheat-corn rotation cropland in the North China Plain. <i>Biogeosciences</i> , 2016, 13, 2029-2049.	1.3	23
123	Nutritional Aspects of Food Toxicology: Mercury Toxicity and Protective Effects of Olive Oil Hydroxytyrosol. <i>Journal of Nutrition &amp; Food Sciences</i> , 2016, 6, .	1.0	2
124	Conceptual Chemical Process Design for Sustainability. , 2016, , 67-85.		4
127	Use of Mercury in Dental Silver Amalgam: An Occupational and Environmental Assessment. <i>BioMed Research International</i> , 2016, 2016, 1-9.	0.9	15
128	Biological Remediation of Mercury-Polluted Environments. , 2016, , 311-334.		5
129	Effects of Two Sublethal Concentrations of Mercury Chloride on the Morphology and Metallothionein Activity in the Liver of Zebrafish ( <i>Danio rerio</i> ). <i>International Journal of Molecular Sciences</i> , 2016, 17, 361.	1.8	34
130	A silver electrode based surface acoustic wave (SAW) mercury vapor sensor: a physio-chemical and analytical investigation. <i>RSC Advances</i> , 2016, 6, 36362-36372.	1.7	14



#	ARTICLE	IF	CITATIONS
131	Relationship among mercury concentration, growth rate, and condition of northern pike: A tautology resolved?. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2910-2915.	2.2	23
132	Mercury Release to Aquatic Environments from Anthropogenic Sources in China from 2001 to 2012. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8169-8177.	4.6	53
133	Prediction of fish and sediment mercury in streams using landscape variables and historical mining. <i>Science of the Total Environment</i> , 2016, 571, 364-379.	3.9	22
134	Mercury in western North America: A synthesis of environmental contamination, fluxes, bioaccumulation, and risk to fish and wildlife. <i>Science of the Total Environment</i> , 2016, 568, 1213-1226.	3.9	116
135	Forest harvest contribution to Boreal freshwater methyl mercury load. <i>Global Biogeochemical Cycles</i> , 2016, 30, 825-843.	1.9	43
137	First field-based atmospheric observation of the reduction of reactive mercury driven by sunlight. <i>Atmospheric Environment</i> , 2016, 134, 27-39.	1.9	28
138	Historical records of mercury in southern latitudes over 1600 years: Lake Futalaufquen, Northern Patagonia. <i>Science of the Total Environment</i> , 2016, 553, 541-550.	3.9	27
139	Reservoirs and water management influence fish mercury concentrations in the western United States and Canada. <i>Science of the Total Environment</i> , 2016, 568, 739-748.	3.9	47
140	Functionalized silver nanoparticles probe for visual colorimetric sensing of mercury. <i>Materials Research Bulletin</i> , 2016, 83, 48-55.	2.7	84
141	A nanoengineered surface acoustic wave device for analysis of mercury in gas phase. <i>Sensors and Actuators B: Chemical</i> , 2016, 234, 562-572.	4.0	9
142	Total and methyl mercury concentrations in sediment and water of a constructed wetland in the Athabasca Oil Sands Region. <i>Environmental Pollution</i> , 2016, 213, 628-637.	3.7	17
143	Proteome profiling reveals regional protein alteration in cerebrum of common marmoset ( <i>Callithrix</i> ) Tj ETQq1 1 0.784314 rgBT <sub>11</sub> /Overlaid	2.0	11
144	A new look at liming as an approach to accelerate recovery from acidic deposition effects. <i>Science of the Total Environment</i> , 2016, 562, 35-46.	3.9	42
145	Spatial and temporal patterns of mercury concentrations in freshwater fish across the Western United States and Canada. <i>Science of the Total Environment</i> , 2016, 568, 1171-1184.	3.9	125
146	Temporal trends of mercury in eggs of five sympatrically breeding seabird species in the Canadian Arctic. <i>Environmental Pollution</i> , 2016, 214, 124-131.	3.7	47
147	Avian mercury exposure and toxicological risk across western North America: A synthesis. <i>Science of the Total Environment</i> , 2016, 568, 749-769.	3.9	213
148	Highly efficient ultrasonic-assisted removal of Hg(II) ions on graphene oxide modified with 2-pyridinecarboxaldehyde thiosemicarbazone: Adsorption isotherms and kinetics studies. <i>Ultrasonics Sonochemistry</i> , 2016, 33, 118-128.	3.8	126
149	Alkyl Mercury-Induced Toxicity: Multiple Mechanisms of Action. <i>Reviews of Environmental Contamination and Toxicology</i> , 2016, 240, 105-149.	0.7	5

#	ARTICLE	IF	CITATIONS
150	Synthesis and characterization of a new starch/SnO <sub>2</sub> nanocomposite for efficient adsorption of toxic Hg <sup>2+</sup> metal ion. <i>Chemical Engineering Journal</i> , 2016, 300, 306-316.	6.6	329
151	Control of mercury emissions from stationary coal combustion sources in China: Current status and recommendations. <i>Environmental Pollution</i> , 2016, 218, 1209-1221.	3.7	65
152	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
153	N-lauryltyramine capped copper nanoparticles exhibit a selective colorimetric response towards hazardous mercury(II) ions and display true anti-biofilm and efflux pump inhibitory effects in <i>E. coli</i> . <i>RSC Advances</i> , 2016, 6, 87513-87522.	1.7	18
154	Airborne observations of mercury emissions from the Chicago/Gary urban/industrial area during the 2013 NOMADSS campaign. <i>Atmospheric Environment</i> , 2016, 145, 415-423.	1.9	8
155	Mercury isotope compositions across North American forests. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1475-1492.	1.9	162
156	Atg5-dependent autophagy plays a protective role against methylmercury-induced cytotoxicity. <i>Toxicology Letters</i> , 2016, 262, 135-141.	0.4	34
157	Pattern of atmospheric mercury speciation during episodes of elevated PM <sub>2.5</sub> levels in a coastal city in the Yangtze River Delta, China. <i>Environmental Pollution</i> , 2016, 218, 259-268.	3.7	35
158	Bioaccumulation of mercury in invertebrate food webs of Canadian Rocky Mountain streams. <i>Freshwater Science</i> , 2016, 35, 1248-1262.	0.9	11
159	<i>Elodea nuttallii</i> exposure to mercury exposure under enhanced ultraviolet radiation: Effects on bioaccumulation, transcriptome, pigment content and oxidative stress. <i>Aquatic Toxicology</i> , 2016, 180, 218-226.	1.9	15
160	Is Mercury in a Remote Forested Watershed of the Adirondack Mountains Responding to Recent Decreases in Emissions?. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10943-10950.	4.6	28
161	Human exposure and risk assessment associated with mercury pollution in the Caqueta River, Colombian Amazon. <i>Environmental Science and Pollution Research</i> , 2016, 23, 20761-20771.	2.7	48
162	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
163	Thunderstorms Increase Mercury Wet Deposition. <i>Environmental Science &amp; Technology</i> , 2016, 50, 9343-9350.	4.6	43
164	Sea surface temperature variation linked to elemental mercury concentrations measured on Mauna Loa. <i>Geophysical Research Letters</i> , 2016, 43, 7751-7757.	1.5	21
165	Arginine decarboxylase: A novel biological target of mercury compounds identified in PC12 cells. <i>Biochemical Pharmacology</i> , 2016, 118, 109-120.	2.0	8
166	An electrochemically reduced graphene oxide chemiresistive sensor for sensitive detection of Hg <sup>2+</sup> ion in water samples. <i>Journal of Hazardous Materials</i> , 2016, 320, 226-233.	6.5	65
167	Historical variations of mercury stable isotope ratios in Arctic glacier firn and ice cores. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1324-1347.	1.9	22

#	ARTICLE	IF	CITATIONS
168	Mercury in the muscle tissue of fish in the Central and South Vietnam. <i>Inland Water Biology</i> , 2016, 9, 319-328.	0.2	5
169	Alternative Origins for Omega-3 Fatty Acids in the Diet. , 2016, , 475-486.		2
170	Assessment of Hg Pollution Released from a WWII Submarine Wreck (U-864) by Hg Isotopic Analysis of Sediments and <i>Cancer pagurus</i> Tissues. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10361-10369.	4.6	22
171	Evaluating the effectiveness of the Minamata Convention on Mercury: Principles and recommendations for next steps. <i>Science of the Total Environment</i> , 2016, 569-570, 888-903.	3.9	101
172	Origin of Sulfur in Diet Drives Spatial and Temporal Mercury Trends in Seabird Eggs From Pacific Canada 1968–2015. <i>Environmental Science &amp; Technology</i> , 2016, 50, 13380-13386.	4.6	48
173	Declining Mercury Concentrations in Bluefin Tuna Reflect Reduced Emissions to the North Atlantic Ocean. <i>Environmental Science &amp; Technology</i> , 2016, 50, 12825-12830.	4.6	45
174	Mercury in river, estuarine and seawaters – Is it possible to decrease realist environmental concentrations in order to achieve environmental quality standards?. <i>Water Research</i> , 2016, 106, 439-449.	5.3	22
175	Depletion of atmospheric gaseous elemental mercury by plant uptake at Mt. Changbai, Northeast China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12861-12873.	1.9	82
176	Origin of oxidized mercury in the summertime free troposphere over the southeastern US. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1511-1530.	1.9	68
177	Passive air sampling of gaseous elemental mercury: a critical review. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3061-3076.	1.9	41
178	Atmospheric mercury speciation dynamics at the high-altitude Pic du Midi Observatory, southern France. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5623-5639.	1.9	42
179	Chemical cycling and deposition of atmospheric mercury in polar regions: review of recent measurements and comparison with models. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10735-10763.	1.9	63
180	Atmospheric wet and litterfall mercury deposition at urban and rural sites in China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11547-11562.	1.9	54
181	Current and future levels of mercury atmospheric pollution on a global scale. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12495-12511.	1.9	143
182	Current understanding of the driving mechanisms for spatiotemporal variations of atmospheric speciated mercury: a review. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12897-12924.	1.9	62
183	Global observations and modeling of atmosphere–surface exchange of elemental mercury: a critical review. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4451-4480.	1.9	101
184	New insights into the atmospheric mercury cycling in central Antarctica and implications on a continental scale. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8249-8264.	1.9	36
185	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

#	ARTICLE	IF	CITATIONS
186	Feather mercury concentrations in Southern Ocean seabirds: Variation by species, site and time. <i>Environmental Pollution</i> , 2016, 216, 253-263.	3.7	49
187	Microbes in mercury-enriched geothermal springs in western North America. <i>Science of the Total Environment</i> , 2016, 569-570, 321-331.	3.9	18
188	An assessment of mercury in estuarine sediment and tissue in Southern New Jersey using public domain data. <i>Marine Pollution Bulletin</i> , 2016, 107, 22-35.	2.3	4
189	Source apportionment of wet-deposited atmospheric mercury in Tampa, Florida. <i>Atmospheric Research</i> , 2016, 170, 168-175.	1.8	8
190	Estimating mercury emissions resulting from wildfire in forests of the Western United States. <i>Science of the Total Environment</i> , 2016, 568, 578-586.	3.9	44
191	Uncertainties in Atmospheric Mercury Modeling for Policy Evaluation. <i>Current Pollution Reports</i> , 2016, 2, 103-114.	3.1	21
192	Dissolved organic carbon modulates mercury concentrations in insect subsidies from streams to terrestrial consumers. <i>Ecological Applications</i> , 2016, 26, 1771-1784.	1.8	33
193	Acute embryotoxic effects but no long-term reproductive effects of in ovo methylmercury exposure in zebra finches ( <i>Taeniopygia guttata</i> ). <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1534-1540.	2.2	20
194	Assessing exposure risks for freshwater tilapia species posed by mercury and methylmercury. <i>Ecotoxicology</i> , 2016, 25, 1181-1193.	1.1	8
195	Within-person reproducibility of red blood cell mercury over a 10- to 15-year period among women in the Nurses' Health Study II. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016, 26, 219-223.	1.8	6
196	Non-chromatographic speciation of mercury in mushrooms. <i>Analytical Methods</i> , 2016, 8, 1774-1779.	1.3	10
197	Trends in mercury wet deposition and mercury air concentrations across the U.S. and Canada. <i>Science of the Total Environment</i> , 2016, 568, 546-556.	3.9	105
198	Insights into the mechanisms underlying mercury-induced oxidative stress in gills of wild fish ( <i>Liza</i> ). <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1534-1540.	3.9	126
199	Determination of major and trace elements in snow in Tianjin, China: a three-heating-season survey and assessment. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 687-696.	1.5	14
200	New Constraints on Terrestrial Surface Atmosphere Fluxes of Gaseous Elemental Mercury Using a Global Database. <i>Environmental Science &amp; Technology</i> , 2016, 50, 507-524.	4.6	136
201	Microsolvation of methylmercury: structures, energies, bonding and NMR constants ( <sup>199</sup> Hg, <sup>13</sup> C and <sup>17</sup> O). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1537-1550.	1.3	24
202	Connecting mercury science to policy: from sources to seafood. <i>Reviews on Environmental Health</i> , 2016, 31, 17-20.	1.1	19
203	Activated Carbon and Biochar Reduce Mercury Methylation Potentials in Aquatic Sediments. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 96, 536-539.	1.3	36

#	ARTICLE	IF	CITATIONS
204	Penguins as bioindicators of mercury contamination in the southern Indian Ocean: geographical and temporal trends. <i>Environmental Pollution</i> , 2016, 213, 195-205.	3.7	46
205	How Important Is Research on Pollution Levels in Antarctica? Historical Approach, Difficulties and Current Trends. <i>Reviews of Environmental Contamination and Toxicology</i> , 2016, 239, 79-156.	0.7	19
206	A metal-responsive interdigitated bilayer for selective quantification of mercury( $\text{Hg}^{2+}$ ) traces by surface plasmon resonance. <i>Analyst</i> , The, 2016, 141, 1912-1917.	1.7	9
207	Maternal transfer of contaminants in birds: Mercury and selenium concentrations in parents and their eggs. <i>Environmental Pollution</i> , 2016, 210, 145-154.	3.7	85
208	Mercury concentrations in the coastal marine food web along the Senegalese coast. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11975-11984.	2.7	25
209	Importance of Integration and Implementation of Emerging and Future Mercury Research into the Minamata Convention. <i>Environmental Science &amp; Technology</i> , 2016, 50, 2767-2770.	4.6	68
210	Development and comparative investigation of Ag-sensitive layer based SAW and QCM sensors for mercury sensing applications. <i>Analyst</i> , The, 2016, 141, 2463-2473.	1.7	18
211	Delayed effects of methylmercury on the mitochondria of dopaminergic neurons and developmental toxicity in zebrafish larvae ( <i>Danio rerio</i> ). <i>Aquatic Toxicology</i> , 2016, 175, 73-80.	1.9	12
212	Benefits of mercury controls for the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 286-291.	3.3	81
213	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
214	A High-Precision Passive Air Sampler for Gaseous Mercury. <i>Environmental Science and Technology Letters</i> , 2016, 3, 24-29.	3.9	54
215	Biogeochemical controls on mercury stable isotope compositions of world coal deposits: A review. <i>Earth-Science Reviews</i> , 2016, 152, 1-13.	4.0	49
216	A review on the distribution of Hg in the environment and its human health impacts. <i>Journal of Hazardous Materials</i> , 2016, 306, 376-385.	6.5	350
217	Temporal variations in gaseous elemental mercury concentrations at a contaminated site: Main factors affecting nocturnal maxima in daily cycles. <i>Atmospheric Environment</i> , 2016, 125, 8-14.	1.9	24
218	Ceria-zirconia modified $\text{MnO}_x$ catalysts for gaseous elemental mercury oxidation and adsorption. <i>Catalysis Science and Technology</i> , 2016, 6, 1792-1803.	2.1	122
219	Global versus local causes and health implications of high mercury concentrations in sharks from the east coast of South Africa. <i>Science of the Total Environment</i> , 2016, 541, 176-183.	3.9	52
220	OBSOLETE: Mercury. , 2017, , .		0
221	Mercury species in dab ( <i>Limanda limanda</i> ) from the North Sea, Baltic Sea and Icelandic waters in relation to host-specific variables. <i>Marine Environmental Research</i> , 2017, 124, 32-40.	1.1	13

#	ARTICLE	IF	CITATIONS
222	Is gastrointestinal microbiota relevant for endogenous mercury methylation in terrestrial animals?. Environmental Research, 2017, 152, 454-461.	3.7	20
223	Metal(loid) contamination in seafood products. Critical Reviews in Food Science and Nutrition, 2017, 57, 3715-3728.	5.4	23
224	Copper-cobalt hexacyanoferrate modified glassy carbon electrode for an indirect electrochemical determination of mercury. Sensors and Actuators B: Chemical, 2017, 238, 9-15.	4.0	18
225	Semiquantitative determination of total mercury in <i>Pygocentrus nattereri</i> Kner, 1858 and sediment at the plateau of Upper Paraguai River, Brazil. Chemosphere, 2017, 174, 604-612.	4.2	7
226	Optimization of parameters with experimental design for the adsorption of mercury using polyethylenimine modified-activated carbon. Journal of Environmental Chemical Engineering, 2017, 5, 1079-1088.	3.3	155
227	Nano-engineered surfaces for mercury vapor sensing: Current state and future possibilities. TrAC - Trends in Analytical Chemistry, 2017, 88, 77-99.	5.8	29
228	The air-sea exchange of mercury in the low latitude Pacific and Atlantic Oceans. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 122, 17-28.	0.6	39
229	Gaseous Elemental Mercury Level and Distribution in a Heavily Contaminated Site: the Ex-chlor Alkali Plant in Torviscosa (Northern Italy). Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	11
230	A novel water soluble chemosensor based on carboxyl functionalized NDI derivatives for selective detection and facile removal of mercury( $\text{Hg}^{2+}$ ). RSC Advances, 2017, 7, 11206-11210.	1.7	17
231	Predictive meta-regressions relating mercury tissue concentrations of freshwater piscivorous mammals. Environmental Toxicology and Chemistry, 2017, 36, 2377-2384.	2.2	19
232	RNA-mediated fluorescent colloidal CdSe nanostructures in aqueous medium – analysis of Cd <sup>2+</sup> induced folding of RNA associated with morphological transformation (0D to 1D), change in photophysics and selective Hg <sup>2+</sup> sensing. Journal of Materials Chemistry A, 2017, 5, 6146-6163.	5.2	9
233	Inversion Approach to Validate Mercury Emissions Based on Background Air Monitoring at the High Altitude Research Station Jungfraujoch (3580 m). Environmental Science & Technology, 2017, 51, 2846-2853.	4.6	14
234	Regional and temporal trends in blood mercury concentrations and fish consumption in women of child bearing Age in the united states using NHANES data from 1999–2010. Environmental Health, 2017, 16, 10.	1.7	37
235	Direct analysis of gaseous mercury in ambient air by gas to particle conversion-gas exchange ICPMS. Journal of Analytical Atomic Spectrometry, 2017, 32, 717-722.	1.6	14
236	Boreal Forests Sequester Large Amounts of Mercury over Millennial Time Scales in the Absence of Wildfire. Environmental Science & Technology, 2017, 51, 2621-2627.	4.6	12
237	Ecotoxicology of mercury in tropical forest soils: Impact on earthworms. Science of the Total Environment, 2017, 589, 222-231.	3.9	41
238	Mercury Exposure and Diet in Brown Pelicans ( <i>Pelecanus occidentalis</i> ) in North Carolina, USA. Waterbirds, 2017, 40, 50-57.	0.2	8
239	Evaluation of mercury resistance and accumulation characteristics in wheat using a modified membership function. Ecological Indicators, 2017, 78, 292-300.	2.6	20

#	ARTICLE	IF	CITATIONS
240	Cysteine Addition Promotes Sulfide Production and 4-Fold Hg(II)â€‘S Coordination in Actively Metabolizing <i>Escherichia coli</i> . <i>Environmental Science &amp; Technology</i> , 2017, 51, 4642-4651.	4.6	30
241	Grain-size dependence of mercury speciation in river suspended matter, sediments and soils in a mercury mining area at varying hydrological conditions. <i>Applied Geochemistry</i> , 2017, 81, 132-142.	1.4	33
242	The Unquantified Risk of Post-Fire Metal Concentration in Soil: a Review. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	23
243	Physiological and biochemical impacts induced by mercury pollution and seawater acidification in <i>Hediste diversicolor</i> . <i>Science of the Total Environment</i> , 2017, 595, 691-701.	3.9	51
244	Atmospheric mercury deposition to forests in the eastern USA. <i>Environmental Pollution</i> , 2017, 228, 8-18.	3.7	57
245	Mercury Bioaccumulation in Crayfish in Acid Mine-Impaired Appalachian Streams. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	4
246	Biotically mediated mercury methylation in the soils and sediments of Nam Co Lake, Tibetan Plateau. <i>Environmental Pollution</i> , 2017, 227, 243-251.	3.7	26
247	Erosion of the Alberta badlands produces highly variable and elevated heavy metal concentrations in the Red Deer River, Alberta. <i>Science of the Total Environment</i> , 2017, 596-597, 427-436.	3.9	29
248	Trophic fate of inorganic and methyl-mercury in a macrophyte-chironomid food chain. <i>Journal of Hazardous Materials</i> , 2017, 338, 140-147.	6.5	17
249	Mercury exposure induces cytoskeleton disruption and loss of renal function through epigenetic modulation of MMP9 expression. <i>Toxicology</i> , 2017, 386, 28-39.	2.0	25
250	Influence of H <sub>2</sub> O on Hg <sup>0</sup> Oxidation in the Simulated Flue Gas in Oxygen-Enriched Combustion. <i>Energy &amp; Fuels</i> , 2017, 31, 7272-7281.	2.5	11
251	Cycling of mercury in the environment: Sources, fate, and human health implications: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 693-794.	6.6	419
252	Linking fish consumption patterns and health risk assessment of mercury exposure in a coastal community of NW Mexico. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017, 23, 1505-1521.	1.7	16
253	Risk of post-fire metal mobilization into surface water resources: A review. <i>Science of the Total Environment</i> , 2017, 599-600, 1740-1755.	3.9	79
254	Elevated mercury concentrations in the feathers of grey-faced petrels ( <i>Pterodroma gouldi</i> ) in New Zealand. <i>Marine Pollution Bulletin</i> , 2017, 119, 195-203.	2.3	14
255	High selenium exposure lowers the odds ratios for hypertension, stroke, and myocardial infarction associated with mercury exposure among Inuit in Canada. <i>Environment International</i> , 2017, 102, 200-206.	4.8	57
256	Benzothiazole based chemosensors having appended amino group(s): Selective binding of Hg <sup>2+</sup> ions by three related receptors. <i>Inorganica Chimica Acta</i> , 2017, 462, 152-157.	1.2	12
257	Geographic and temporal patterns of variation in total mercury concentrations in blood of harlequin ducks and blue mussels from Alaska. <i>Marine Pollution Bulletin</i> , 2017, 117, 178-183.	2.3	9

#	ARTICLE	IF	CITATIONS
258	Concentrations and isotope ratios of mercury in sediments from shelf and continental slope at Campos Basin near Rio de Janeiro, Brazil. <i>Chemosphere</i> , 2017, 178, 42-50.	4.2	28
259	Methylmercury Mass Budgets and Distribution Characteristics in the Western Pacific Ocean. <i>Environmental Science &amp; Technology</i> , 2017, 51, 1186-1194.	4.6	46
260	Mercury levels in largemouth bass ( <i>Micropterus salmoides</i> ) from regulated and unregulated rivers. <i>Chemosphere</i> , 2017, 170, 134-140.	4.2	18
261	First kinetic study of the atmospherically important reactions $\text{BrHg}^{\text{TM}} + \text{NO}_2$ and $\text{BrHg}^{\text{TM}} + \text{HOO}$ . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1826-1838.	1.3	51
262	Direct mercury determination in blood and urine by means of high-resolution continuum source graphite furnace atomic absorption spectrometry using gold nanoparticles as a chemical modifier. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 2352-2359.	1.6	14
263	Purification of HgO from flue gas by wet oxidation method and its mechanism: a review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 26310-26323.	2.7	13
264	Mercury emission to the atmosphere from municipal solid waste landfills: A brief review. <i>Atmospheric Environment</i> , 2017, 170, 303-311.	1.9	27
265	Selenium induces the demethylation of mercury in marine fish. <i>Environmental Pollution</i> , 2017, 231, 1543-1551.	3.7	53
266	Mercaptooxazole-phenazine based blue fluorescent sensor for the ultra-sensitive detection of mercury( $\text{Hg}^{2+}$ ) ions in aqueous solution. <i>RSC Advances</i> , 2017, 7, 47547-47551.	1.7	12
267	The fate of mercury and its relationship with carbon, nitrogen and bacterial communities during litter decomposing in two subtropical forests. <i>Applied Geochemistry</i> , 2017, 86, 26-35.	1.4	15
268	Assessment of trace elements characteristics and human health risk of exposure to ambient PM <sub>2.5</sub> in Hangzhou, China. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 983-1002.	1.8	7
269	Mercury Isotope Signatures of Methylmercury in Rice Samples from the Wanshan Mercury Mining Area, China: Environmental Implications. <i>Environmental Science &amp; Technology</i> , 2017, 51, 12321-12328.	4.6	43
270	Fabrication of AO/LDH fluorescence composite and its detection of Hg <sup>2+</sup> in water. <i>Scientific Reports</i> , 2017, 7, 13414.	1.6	8
271	Factors controlling the photochemical degradation of methylmercury in coastal and oceanic waters. <i>Marine Chemistry</i> , 2017, 196, 116-125.	0.9	32
272	Mercury accumulation plant <i>Cyrtomium macrophyllum</i> and its potential for phytoremediation of mercury polluted sites. <i>Chemosphere</i> , 2017, 189, 161-170.	4.2	69
273	Structures, Vibrational Frequencies, and Bond Energies of the BrHgOX and BrHgXO Species Formed in Atmospheric Mercury Depletion Events. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7976-7985.	1.1	20
274	Mercury Re-Emission in the Smelting Flue Gas Cleaning Process: The Influence of Arsenite. <i>Energy &amp; Fuels</i> , 2017, 31, 11053-11059.	2.5	20
275	The effects of aquaculture on mercury distribution, changing speciation, and bioaccumulation in a reservoir ecosystem. <i>Environmental Science and Pollution Research</i> , 2017, 24, 25923-25932.	2.7	14



#	ARTICLE	IF	CITATIONS
276	Radiation enhanced uptake of HgO(g) on iron (oxyhydr)oxide nanoparticles. RSC Advances, 2017, 7, 45010-45021.	1.7	44
277	A Synthetic Circuit for Mercury Bioremediation Using Self-Assembling Functional Amyloids. ACS Synthetic Biology, 2017, 6, 1841-1850.	1.9	97
278	Indicators of Marine Pollution in the North Pacific Ocean. Archives of Environmental Contamination and Toxicology, 2017, 73, 171-175.	2.1	9
279	Maternal transfer of mercury to songbird eggs. Environmental Pollution, 2017, 230, 463-468.	3.7	18
280	Deposition of mercury in forests across a montane elevation gradient: Elevational and seasonal patterns in methylmercury inputs and production. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 1922-1939.	1.3	30
281	Recent developments in inorganic Hg 2+ detection by voltammetry. TrAC - Trends in Analytical Chemistry, 2017, 94, 161-172.	5.8	55
282	A total diet study and probabilistic assessment risk assessment of dietary mercury exposure among First Nations living on-reserve in Ontario, Canada. Environmental Research, 2017, 158, 409-420.	3.7	24
283	Source tracing of natural organic matter bound mercury in boreal forest runoff with mercury stable isotopes. Environmental Sciences: Processes and Impacts, 2017, 19, 1235-1248.	1.7	67
284	Recovery of aquatic insectâ€‘mediated methylmercury flux from ponds following drying disturbance. Environmental Toxicology and Chemistry, 2017, 36, 1986-1990.	2.2	7
285	Modeling of the Passive Permeation of Mercury and Methylmercury Complexes Through a Bacterial Cytoplasmic Membrane. Environmental Science & Technology, 2017, 51, 10595-10604.	4.6	15
286	Mercury bioavailability, transformations, and effects on freshwater biofilms. Environmental Toxicology and Chemistry, 2017, 36, 3194-3205.	2.2	28
287	Fibre optic sensor to detect heavy metal pollutants in water environments. , 2017, , .		9
288	An Isotopic Dilution Approach for Quantifying Mercury Lability in Soils. Environmental Science and Technology Letters, 2017, 4, 556-561.	3.9	10
289	Removal of Elemental Mercury from Simulated Flue Gas over Peanut Shells Carbon Loaded with Iodine Ions, Manganese Oxides, and Zirconium Dioxide. Energy & Fuels, 2017, 31, 13909-13920.	2.5	27
290	Adsorption and Catalytic Oxidation of Mercury over MnO<sub>2</sub>/TiO<sub>2</sub> under Low-Temperature Conditions. Industrial & Engineering Chemistry Research, 2017, 56, 14419-14429.	1.8	13
291	Indices of soil contamination by heavy metals â€‘ methodology of calculation for pollution assessment (minireview). Environmental Monitoring and Assessment, 2017, 189, 616.	1.3	176
292	Highly effective target converting strategy for ultrasensitive electrochemical assay of Hg<sup>2+</sup>. Analyst, The, 2017, 142, 4708-4714.	1.7	10
293	Tracing Dietary Mercury Histochemically, with Autometallography, through the Liver to the Ovaries and Spawned Eggs of the Spot, a Temperate Coastal Marine Fish. Journal of Aquatic Animal Health, 2017, 29, 173-180.	0.6	3

#	ARTICLE	IF	CITATIONS
294	Ionic Strength Differentially Affects the Bioavailability of Neutral and Negatively Charged Inorganic Hg Complexes. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9653-9662.	4.6	29
296	Bioindication and modelling of atmospheric deposition in forests enable exposure and effect monitoring at high spatial density across scales. <i>Annals of Forest Science</i> , 2017, 74, 1.	0.8	7
297	New insights into the promotional effects of Cu and Fe over V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> NH <sub>3</sub> -SCR catalysts towards oxidation of HgO. <i>Catalysis Communications</i> , 2017, 100, 169-172.	1.6	28
300	Homogeneous and heterogeneous reaction mechanisms and kinetics of mercury oxidation in coal-fired flue gas with bromine addition. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 4039-4049.	2.4	32
301	Highly sensitive and reusable mercury (II) sensor based on fluorescence quenching of pyrene moiety in polyacrylamide-based cryogel. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 362-368.	4.0	27
302	Mercury toxicity to <i>Eisenia fetida</i> in three different soils. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1261-1269.	2.7	15
303	Accumulation and translocation of methylmercury and inorganic mercury in <i>Oryza sativa</i> : An enriched isotope tracer study. <i>Science of the Total Environment</i> , 2017, 574, 1415-1423.	3.9	77
304	Heavy metals in river surface sediments affected with multiple pollution sources, South China: Distribution, enrichment and source apportionment. <i>Journal of Geochemical Exploration</i> , 2017, 176, 9-19.	1.5	107
305	Temporal variability of atmospheric Total Gaseous Mercury and its correlation with meteorological parameters at a high-altitude station of the South India. <i>Atmospheric Pollution Research</i> , 2017, 8, 164-173.	1.8	12
306	Removal of mercury from gold mine effluents using <i>Limnocharis flava</i> in constructed wetlands. <i>Chemosphere</i> , 2017, 167, 188-192.	4.2	47
307	Biogeochemical controls on methylmercury in soils and sediments: Implications for site management. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 249-263.	1.6	52
308	Current progress on understanding the impact of mercury on human health. <i>Environmental Research</i> , 2017, 152, 419-433.	3.7	305
309	Analytical methods, formation, and dissolution of cinnabar and its impact on environmental cycle of mercury. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 2415-2447.	6.6	30
310	Mercury evasion from a boreal peatland shortens the timeline for recovery from legacy pollution. <i>Scientific Reports</i> , 2017, 7, 16022.	1.6	44
311	Electrochemical Detection of Ultratrace (Picomolar) Levels of Hg <sup>2+</sup> Using a Silver Nanoparticle-Modified Glassy Carbon Electrode. <i>Analytical Chemistry</i> , 2017, 89, 7166-7173.	3.2	79
312	Impacts of large-scale circulation on urban ambient concentrations of gaseous elemental mercury in New York, USA. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11655-11671.	1.9	11
313	Five-year records of mercury wet deposition flux at GMOS sites in the Northern and Southern hemispheres. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2689-2708.	1.9	69
314	Mercury in fur of <i>Daubenton's bat</i> ( <i>Myotis daubentonii</i> ) in Southern Sweden and Comparison to Ecotoxicological Thresholds. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 99, 561-566.	1.3	8

#	ARTICLE	IF	CITATIONS
315	Title is missing!. Turkish Journal of Fisheries and Aquatic Sciences, 2017, 17, .	0.4	1
317	To what extent the size fraction affects an interpretation of planktonic foraminiferal assemblages. Acta Adriatica, 2017, 58, 25-40.	0.2	1
319	Global Sources and Pathways of Mercury in the Context of Human Health. International Journal of Environmental Research and Public Health, 2017, 14, 105.	1.2	159
320	Toward an Assessment of the Global Inventory of Present-Day Mercury Releases to Freshwater Environments. International Journal of Environmental Research and Public Health, 2017, 14, 138.	1.2	87
323	The effects of meteorological parameters and diffusive barrier reuse on the sampling rate of a passive air sampler for gaseous mercury. Atmospheric Measurement Techniques, 2017, 10, 3651-3660.	1.2	33
324	Prenatal Exposure to Mercury: Associations with Global DNA Methylation and Hydroxymethylation in Cord Blood and in Childhood. Environmental Health Perspectives, 2017, 125, 087022.	2.8	57
325	Simultaneous removal of Hg <sup>0</sup> and HCN from the yellow phosphorus tail gas. IOP Conference Series: Earth and Environmental Science, 2017, 81, 012035.	0.2	0
326	Presence of artisanal gold mining predicts mercury bioaccumulation in five genera of bats (Chiroptera). Environmental Pollution, 2018, 236, 862-870.	3.7	21
327	Atmospheric wet deposition of mercury to the Athabasca Oil Sands Region, Alberta, Canada. Air Quality, Atmosphere and Health, 2018, 11, 83-93.	1.5	10
328	Integrating mercury research and policy in a changing world. Ambio, 2018, 47, 111-115.	2.8	25
329	Mercury Biomagnification Through a Coral Reef Ecosystem. Archives of Environmental Contamination and Toxicology, 2018, 75, 121-133.	2.1	4
330	Historical records, distributions and sources of mercury and zinc in sediments of East China sea: Implication from stable isotopic compositions. Chemosphere, 2018, 205, 698-708.	4.2	29
331	Evaluation of CMAQ Coupled With a State-of-the-Art Mercury Chemical Mechanism (CMAQ-newHg-Br). Journal of Advances in Modeling Earth Systems, 2018, 10, 668-690.	1.3	23
332	Metal Allergy in Children. , 2018, , 495-506.		1
333	A vegetation control on seasonal variations in global atmospheric mercury concentrations. Nature Geoscience, 2018, 11, 244-250.	5.4	180
334	Major global changes interact to cause male-biased sex ratios in a reptile with temperature-dependent sex determination. Biological Conservation, 2018, 222, 64-74.	1.9	17
335	Phenomenological modeling for elemental mercury capture on hydroxyapatite-based adsorbents: An experimental validation. Fuel, 2018, 225, 509-518.	3.4	6
336	Colorimetric Detection of Hg <sup>2+</sup> Based on Enhancement of Peroxidase-Like Activity of Chitosan-Gold Nanoparticles. Bulletin of the Korean Chemical Society, 2018, 39, 625-630.	1.0	28

#	ARTICLE	IF	CITATIONS
337	Synthesis, characterization and evaluation of resin-based carbon spheres modified by oxygen functional groups for gaseous elemental mercury capture. <i>Journal of Materials Science</i> , 2018, 53, 9429-9448.	1.7	25
338	Use of Mercury Isotopes to Quantify Mercury Exposure Sources in Inland Populations, China. <i>Environmental Science &amp; Technology</i> , 2018, 52, 5407-5416.	4.6	58
339	Determinants of mercury contamination in viperine snakes, <i>Natrix maura</i> , in Western Europe. <i>Science of the Total Environment</i> , 2018, 635, 20-25.	3.9	18
340	Effects of growth agents and mercury on several herbs. <i>Environmental Science and Pollution Research</i> , 2018, 25, 12012-12021.	2.7	4
341	Mutual detoxification of mercury and selenium in unicellular Tetrahymena. <i>Journal of Environmental Sciences</i> , 2018, 68, 143-150.	3.2	8
342	Mercury in fish from Norwegian lakes: The complex influence of aqueous organic carbon. <i>Science of the Total Environment</i> , 2018, 627, 341-348.	3.9	25
343	Evidence of negative seasonal carry-over effects of breeding ground mercury exposure on survival of migratory songbirds. <i>Journal of Avian Biology</i> , 2018, 49, jav-01656.	0.6	27
344	Response of mercury in an Adirondack (NY, USA) forest stream to watershed lime application. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 607-620.	1.7	6
345	Distribution of mercury species and mercury isotope ratios in soils and river suspended matter of a mercury mining area. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 621-631.	1.7	13
346	Emerging investigator series: methylmercury speciation and dimethylmercury production in sulfidic solutions. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 584-594.	1.7	17
347	Mercury Concentrations in Northern Two-Lined Salamanders from Stream Ecosystems in Garrett County, Maryland. <i>Archives of Environmental Contamination and Toxicology</i> , 2018, 75, 17-24.	2.1	3
348	The Content of Mercury in Herbal Dietary Supplements. <i>Biological Trace Element Research</i> , 2018, 185, 236-243.	1.9	19
349	Mercury removal by engineered <i>Escherichia coli</i> cells expressing different rice metallothionein isoforms. <i>Annals of Microbiology</i> , 2018, 68, 145-152.	1.1	29
350	Modulators of mercury risk to wildlife and humans in the context of rapid global change. <i>Ambio</i> , 2018, 47, 170-197.	2.8	244
351	Environmentally Friendly Inorganic Magnetic Sulfide Nanoparticles for Efficient Adsorption-Based Mercury Remediation from Aqueous Solution. <i>ChemistrySelect</i> , 2018, 3, 1840-1851.	0.7	9
352	Challenges and opportunities for managing aquatic mercury pollution in altered landscapes. <i>Ambio</i> , 2018, 47, 141-169.	2.8	183
353	Mercury in litterfall and sediment using elemental and isotopic composition of carbon and nitrogen in the mangrove of Southeastern Brazil. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 202, 30-39.	0.9	15
354	Biota monitoring under the Water Framework Directive: On tissue choice and fish species selection. <i>Environmental Pollution</i> , 2018, 235, 129-140.	3.7	48

#	ARTICLE	IF	CITATIONS
355	Dietary exposure to methylmercury affects flight endurance in a migratory songbird. <i>Environmental Pollution</i> , 2018, 234, 894-901.	3.7	34
356	Mercury and methylmercury transport and fate in the water column of Tagus estuary (Portugal). <i>Marine Pollution Bulletin</i> , 2018, 127, 235-250.	2.3	25
357	Mercury associated neurochemical response in Arctic barnacle goslings ( <i>Branta leucopsis</i> ). <i>Science of the Total Environment</i> , 2018, 624, 1052-1058.	3.9	11
358	Thiophene Appended Dual Fluorescent Sensor for Detection of Hg <sup>2+</sup> and Cysteamine. <i>Journal of Fluorescence</i> , 2018, 28, 427-437.	1.3	19
359	Mercury in a stream-lake network of Andean Patagonia (Southern Volcanic Zone): Partitioning and interaction with dissolved organic matter. <i>Chemosphere</i> , 2018, 197, 262-270.	4.2	20
360	Identification of aldo-keto reductase (AKR7A1) and glutathione S-transferase pi (GSTP1) as novel renal damage biomarkers following exposure to mercury. <i>Human and Experimental Toxicology</i> , 2018, 37, 1025-1036.	1.1	6
361	Mercury stable isotope compositions in magmatic-affected coal deposits: New insights to mercury sources, migration and enrichment. <i>Chemical Geology</i> , 2018, 479, 86-101.	1.4	18
362	Mercury transport and human exposure from global marine fisheries. <i>Scientific Reports</i> , 2018, 8, 6705.	1.6	73
363	Gaseous elemental mercury (GEM) fluxes over canopy of two typical subtropical forests in south China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 495-509.	1.9	29
364	Development of a High-Resolution Laser Absorption Spectroscopy Method with Application to the Determination of Absolute Concentration of Gaseous Elemental Mercury in Air. <i>Analytical Chemistry</i> , 2018, 90, 6781-6788.	3.2	21
365	Determination of the Mercury Isotopic Ratio by Cold Vapor Generation Sector Field Inductively Coupled Plasma Mass Spectrometry Using Lead as the Internal Standard. <i>Analytical Letters</i> , 2018, 51, 1944-1955.	1.0	3
366	Variation in mercury concentration in juvenile Magellanic penguins during their migration path along the Southwest Atlantic Ocean. <i>Environmental Pollution</i> , 2018, 238, 397-403.	3.7	8
367	Mercury concentrations in bald eagles across an impacted watershed in Maine, USA. <i>Science of the Total Environment</i> , 2018, 627, 1515-1527.	3.9	10
368	Mercury bioaccumulation and its toxic effects in rats fed with methylmercury polluted rice. <i>Science of the Total Environment</i> , 2018, 633, 93-99.	3.9	25
369	Integrated use of histological and ultrastructural biomarkers for assessing mercury pollution in piranhas ( <i>Serrasalmus rhombus</i> ) from the Amazon mining region. <i>Chemosphere</i> , 2018, 202, 788-796.	4.2	11
370	One-pot synthesis of a natural phenol derived fluorescence sensor for Cu(II) and Hg(II) detection. <i>Dyes and Pigments</i> , 2018, 155, 100-106.	2.0	41
371	Trade reshapes the regional energy related mercury emissions: A case study on Hubei Province based on a multi-scale input-output analysis. <i>Journal of Cleaner Production</i> , 2018, 185, 75-85.	4.6	12
372	Methylmercury interferes with glucocorticoid receptor: Potential role in the mediation of developmental neurotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2018, 354, 94-100.	1.3	17

#	ARTICLE	IF	CITATIONS
373	Total mercury concentration in two marine fish species, mackerel ( <i>Scomberomorus</i> sp.) and snapper ( <i>Lutjanus</i> sp.), from several Mexican fishing ports. <i>Environmental Science and Pollution Research</i> , 2018, 25, 13894-13905.	2.7	0
374	Hazardous properties and toxicological update of mercury: From fish food to human health safety perspective. <i>Critical Reviews in Food Science and Nutrition</i> , 2018, 58, 1986-2001.	5.4	69
375	Vulnerability associated with symptoms similar to those of mercury poisoning in communities from Xingu River, Amazon basin. <i>Environmental Geochemistry and Health</i> , 2018, 40, 1145-1154.	1.8	13
376	Mercury concentrations in multiple tissues of Kittlitz's murrelets ( <i>Brachyramphus brevirostris</i> ). <i>Marine Pollution Bulletin</i> , 2018, 129, 675-680.	2.3	2
377	Effects of prescribed fire and post-fire rainfall on mercury mobilization and subsequent contamination assessment in a legacy mine site in Victoria, Australia. <i>Chemosphere</i> , 2018, 190, 144-153.	4.2	22
378	Isocyano-functionalized, 1,8-naphthalimide-based chromophore as efficient ratiometric fluorescence probe for Hg <sup>2+</sup> in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3074-3084.	4.0	27
379	Combined membrane photocatalytic ozonation and wet absorption of elemental mercury. <i>Atmospheric Pollution Research</i> , 2018, 9, 230-237.	1.8	5
380	Mercury transformations in resuspended contaminated sediment controlled by redox conditions, chemical speciation and sources of organic matter. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 158-179.	1.6	74
381	Species- and habitat-specific bioaccumulation of total mercury and methylmercury in the food web of a deep oligotrophic lake. <i>Science of the Total Environment</i> , 2018, 612, 1311-1319.	3.9	49
382	Mercury biomagnification through food webs along a salinity gradient down-estuary from a biological hotspot. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 200, 116-125.	0.9	22
383	Correlations between hair and tissue mercury concentrations in Icelandic arctic foxes ( <i>Vulpes</i> )	3.9	25
384	Carbon nanotubes magnetic hybrid nanocomposites for a rapid and selective preconcentration and clean-up of mercury species in water samples. <i>Talanta</i> , 2018, 179, 442-447.	2.9	37
385	The distribution and trends of persistent organic pollutants and mercury in marine mammals from Canada's Eastern Arctic. <i>Science of the Total Environment</i> , 2018, 618, 500-517.	3.9	105
386	Historical anthropogenic mercury in two lakes of Central Chile: comparison between an urban and rural lake. <i>Environmental Science and Pollution Research</i> , 2018, 25, 4596-4606.	2.7	2
387	Soil-Water Interaction. , 2018, , 161-203.		7
388	Recyclable Multifunctional Magnetic Mesoporous Silica Nanocomposite for Ratiometric Detection, Rapid Adsorption, and Efficient Removal of Hg(II). <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1744-1752.	3.2	46
389	Patterns and controls of mercury accumulation in sediments from three thermokarst lakes on the Arctic Coastal Plain of Alaska. <i>Aquatic Sciences</i> , 2018, 80, 1.	0.6	13
390	Increases of Total Mercury and Methylmercury Releases from Municipal Sewage into Environment in China and Implications. <i>Environmental Science &amp; Technology</i> , 2018, 52, 124-134.	4.6	64

#	ARTICLE	IF	CITATIONS
391	Mercury concentrations in bats (Chiroptera) from a gold mining area in the Peruvian Amazon. <i>Ecotoxicology</i> , 2018, 27, 45-54.	1.1	18
392	Atmospheric mercury species measurements across the Western Mediterranean region: Behaviour and variability during a 2015 research cruise campaign. <i>Atmospheric Environment</i> , 2018, 173, 108-126.	1.9	19
393	Methylmercury in Managed Wetlands. <i>Environmental Contamination Remediation and Management</i> , 2018, , 207-240.	0.5	2
394	High catalytic activity and SO <sub>2</sub> -poisoning resistance of Pd/CuCl <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst for elemental mercury oxidation. <i>Catalysis Communications</i> , 2018, 105, 1-5.	1.6	33
395	Blood mercury concentration, fish consumption and anthropometry in Chinese children: A national study. <i>Environment International</i> , 2018, 110, 14-21.	4.8	34
396	Large-scale geographic patterns of mercury contamination in Morocco revealed by freshwater turtles. <i>Environmental Science and Pollution Research</i> , 2018, 25, 2350-2360.	2.7	23
397	Switchable electrochemiluminescence aptasensor coupled with resonance energy transfer for selective attomolar detection of Hg <sup>2+</sup> via CdTe@CdS/dendrimer probe and Au nanoparticle quencher. <i>Biosensors and Bioelectronics</i> , 2018, 102, 328-335.	5.3	97
398	Mercury exposure and short-term consequences on physiology and reproduction in Antarctic petrels. <i>Environmental Pollution</i> , 2018, 237, 824-831.	3.7	30
399	Fast method for the simultaneous determination of monomethylmercury and inorganic mercury in rice and aquatic plants. <i>Talanta</i> , 2018, 176, 102-107.	2.9	25
400	Impacts and Effects Indicators of Atmospheric Deposition of Major Pollutants to Various Ecosystems - A Review. <i>Aerosol and Air Quality Research</i> , 2018, 18, 1953-1992.	0.9	114
401	Ratio of Mercury Concentration to PCB Concentration Varies with Sex of White Sucker (Catostomus) Tj ETQq0 0 0.rgBT /Overlock 10 Tf	1.5	2
402	Spatiotemporal Variations in Mercury Bioaccumulation at Fine and Broad Scales for Two Freshwater Sport Fishes. <i>Water (Switzerland)</i> , 2018, 10, 1625.	1.2	6
403	Methyl and Total Mercury in Different Media and Associated Fluxes in a Watershed Forest, Southwest China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2618.	1.2	5
404	Understanding factors influencing the detection of mercury policies in modelled Laurentian Great Lakes wet deposition. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1373-1389.	1.7	2
405	Characterization of manganese oxide amendments for <i>in situ</i> remediation of mercury-contaminated sediments. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1761-1773.	1.7	9
406	Senegalese artisanal gold mining leads to elevated total mercury and methylmercury concentrations in soils, sediments, and rivers. <i>Elementa</i> , 2018, 6, .	1.1	28
408	Mercury (Hg), Lead (Pb), Cadmium (Cd), Selenium (Se), and Arsenic (As) in Liver, Kidney, and Feathers of Gulls: A Review. <i>Reviews of Environmental Contamination and Toxicology</i> , 2018, 247, 85-146.	0.7	18
409	Use of Gold Nanoparticles as Substrate for Diffusive Monitoring of Gaseous Mercury. <i>Materials</i> , 2018, 11, 2119.	1.3	4

#	ARTICLE	IF	CITATIONS
410	A model of mercury cycling and isotopic fractionation in the ocean. <i>Biogeosciences</i> , 2018, 15, 6297-6313.	1.3	17
411	Evaluation of Biotechnological Potential of Novel Mercury Tolerant Strain of <i>Klebsiella Pneumonia</i> . <i>Journal of Applied Microbiology and Biochemistry</i> , 2018, 02, .	0.2	1
412	Sensitive Colorimetric Hg <sup>2+</sup> Detection via Amalgamation-Mediated Shape Transition of Gold Nanostars. <i>Frontiers in Chemistry</i> , 2018, 6, 566.	1.8	28
413	Mercury Pollution, Treatment and Solutions in Spent Fluorescent Lamps in Mainland China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2766.	1.2	10
414	An Aminosalicylic Acid-Modified Cellulose Composite Used for Mercury (II) Removal from Single and Quarternary Aqueous Solutions. <i>ChemistrySelect</i> , 2018, 3, 10096-10102.	0.7	19
415	Total mercury in surficial bottom sediments of Volga River's reservoirs in Central Russia. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	0
416	Trace metals, organic carbon and nutrients in the Beidagang Wetland Nature Reserve, northern China. <i>PLoS ONE</i> , 2018, 13, e0204812.	1.1	3
417	Identifying and evaluating urban mercury emission sources through passive sampler-based mapping of atmospheric concentrations. <i>Environmental Research Letters</i> , 2018, 13, 074008.	2.2	26
418	Performance of Mn-Fe-Ce/GO-x for Catalytic Oxidation of Hg <sup>0</sup> and Selective Catalytic Reduction of NO <sub>x</sub> in the Same Temperature Range. <i>Catalysts</i> , 2018, 8, 399.	1.6	8
419	Perspectives of XRF and XANES Applications in Cryospheric Sciences Using Chinese SR Facilities. <i>Condensed Matter</i> , 2018, 3, 29.	0.8	4
420	Sub-Nanomolar Methylmercury Exposure Promotes Premature Differentiation of Murine Embryonic Neural Precursor at the Expense of Their Proliferation. <i>Toxics</i> , 2018, 6, 61.	1.6	8
421	Mercury Exposure, Blood Pressure, and Hypertension: A Systematic Review and Dose-response Meta-analysis. <i>Environmental Health Perspectives</i> , 2018, 126, 076002.	2.8	96
422	Unraveling Microbial Communities Associated with Methylmercury Production in Paddy Soils. <i>Environmental Science &amp; Technology</i> , 2018, 52, 13110-13118.	4.6	106
423	Mercury in the Arctic tundra snowpack: temporal and spatial concentration patterns and trace gas exchanges. <i>Cryosphere</i> , 2018, 12, 1939-1956.	1.5	10
424	OBSOLETE: Mercury in higher biota. Biological effects. , 2018, , .		3
425	Runoff Generation in Badlands. , 2018, , 155-190.		3
426	Updated Global and Oceanic Mercury Budgets for the United Nations Global Mercury Assessment 2018. <i>Environmental Science &amp; Technology</i> , 2018, 52, 11466-11477.	4.6	125
427	Identification of the influence of distal inputs on mercury loading across the mid Great Lakes region using chemical sediment chronologies. <i>Chemosphere</i> , 2018, 213, 53-64.	4.2	0



#	ARTICLE	IF	CITATIONS
428	The growing importance of waste-to-energy (WTE) incineration in China's anthropogenic mercury emissions: Emission inventories and reduction strategies. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 97, 119-137.	8.2	47
430	Chemical Forms of Mercury in Pyrite: Implications for Predicting Mercury Releases in Acid Mine Drainage Settings. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10286-10296.	4.6	37
431	Marine Sediment. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 878-892.	0.1	1
432	Temporal and spatial variation in the mechanisms used by microorganisms to form methylmercury in the water column of Changshou Lake. <i>Ecotoxicology and Environmental Safety</i> , 2018, 160, 32-41.	2.9	10
433	Mercury wet deposition and speciated mercury air concentrations at rural and urban sites across New York state: Temporal patterns, sources and scavenging coefficients. <i>Science of the Total Environment</i> , 2018, 637-638, 943-953.	3.9	25
434	Impact of Water-Induced Soil Erosion on the Terrestrial Transport and Atmospheric Emission of Mercury in China. <i>Environmental Science &amp; Technology</i> , 2018, 52, 6945-6956.	4.6	36
435	Accumulate or eliminate? Seasonal mercury dynamics in albatrosses, the most contaminated family of birds. <i>Environmental Pollution</i> , 2018, 241, 124-135.	3.7	59
436	Temporal and geographical variations of mercury and selenium in eggs of <i>Larus michahellis</i> and <i>Larus audouinii</i> from central Mediterranean islands. <i>Chemistry and Ecology</i> , 2018, 34, 595-609.	0.6	3
437	Ion-Imprinted Polymer-Based Receptors for Sensitive and Selective Detection of Mercury Ions in Aqueous Environment. <i>Journal of Sensors</i> , 2018, 2018, 1-6.	0.6	9
438	Gaseous Mercury Capture by Copper-Activated Nanoporous Carbon Nitride. <i>Energy &amp; Fuels</i> , 2018, 32, 8287-8295.	2.5	42
439	Comparative Analysis of the Effects of Olive Oil Hydroxytyrosol and Its 5-S-Lipoyl Conjugate in Protecting Human Erythrocytes from Mercury Toxicity. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	1.9	15
440	Mercury Contamination in Riverine Sediments and Fish Associated with Artisanal and Small-Scale Gold Mining in Madre de Dios, Peru. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1584.	1.2	57
441	Transport and Fate of Mercury (Hg) in the Environment: Need for Continuous Monitoring. , 2018, , 1-20.		1
442	A Critical Time for Mercury Science to Inform Global Policy. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9556-9561.	4.6	90
443	Spectroscopic and Microscopic Evidence of Biomediated HgS Species Formation from Hg(II)-Cysteine Complexes: Implications for Hg(II) Bioavailability. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10030-10039.	4.6	44
444	Mercury Bioaccumulation in Two Species of Insectivorous Bats from Urban China: Influence of Species, Age, and Land Use Type. <i>Archives of Environmental Contamination and Toxicology</i> , 2018, 75, 585-593.	2.1	7
445	Trace ambient levels of particulate mercury and its sources at a rural site near Delhi. <i>Journal of Atmospheric Chemistry</i> , 2018, 75, 335-355.	1.4	7
446	Spatial and temporal variation in the isotopic composition of mercury in the South River, VA. <i>Chemical Geology</i> , 2018, 494, 96-108.	1.4	22

#	ARTICLE	IF	CITATIONS
447	Characterization of an Hg(II)-volatilizing <i>Pseudomonas</i> sp. strain, DC-B1, and its potential for soil remediation when combined with biochar amendment. <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 172-179.	2.9	39
448	Snowmelt, glacial and atmospheric sources of mercury to a subarctic mountain lake catchment, Yukon, Canada. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 238, 374-393.	1.6	14
449	Environmental mercury pollution by an abandoned chlor-alkali plant in Southwest China. <i>Journal of Geochemical Exploration</i> , 2018, 194, 81-87.	1.5	33
450	Development of a novel and robust microprecipitation approach using cetyltrimethyl ammonium bromide (CTAB) for preconcentration and speciation of mercury in waters prior to CVAAS determination. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 811-829.	1.8	4
451	Spatial Patterns and Temporal Changes in Atmospheric-Mercury Deposition for the Midwestern USA, 2001â€“2016. <i>Atmosphere</i> , 2018, 9, 29.	1.0	8
452	A Two-Year Study on Mercury Fluxes from the Soil under Different Vegetation Cover in a Subtropical Region, South China. <i>Atmosphere</i> , 2018, 9, 30.	1.0	10
453	Recent Advances in Atmospheric Chemistry of Mercury. <i>Atmosphere</i> , 2018, 9, 76.	1.0	35
454	Assessment of Mercury Concentration in Turtles ( <i>Podocnemis unifilis</i> ) in the Xingu River Basin, Brazil. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1185.	1.2	6
455	Agricultural land use creates evolutionary traps for nesting turtles and is exacerbated by mercury pollution. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2018, 329, 230-243.	0.9	11
456	The Effects of Methylmercury on Wildlife: A Comprehensive Review and Approach for Interpretation. , 2018, , 181-194.		57
457	Traditional Tibetan Medicine Induced High Methylmercury Exposure Level and Environmental Mercury Burden in Tibet, China. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8838-8847.	4.6	17
458	Environmental Hg vapours adsorption and detection by using functionalized gold nanoparticles network. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4706-4713.	3.3	17
459	A case study on the occurrence, transport, and fate of mercury species in a sewage treatment plant in Jiaozuo, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 21616-21622.	2.7	7
460	Magmatic Process Modeling. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 841-853.	0.1	0
461	Human Exposure Assessment of Airborne Pollutants for Residents in Gwangyang City Near Industrial Plants (I). <i>Toxicology and Environmental Health Sciences</i> , 2018, 10, 31-41.	1.1	3
462	Effect of mercury on the polyphosphate level of alga <i>Chlamydomonas reinhardtii</i> . <i>Environmental Pollution</i> , 2018, 240, 506-513.	3.7	10
463	Transcriptional responses of <i>Escherichia coli</i> during recovery from inorganic or organic mercury exposure. <i>BMC Genomics</i> , 2018, 19, 52.	1.2	22
464	Mercury's neurotoxicity is characterized by its disruption of selenium biochemistry. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2405-2416.	1.1	131

#	ARTICLE	IF	CITATIONS
465	The preparation of a flexible AuNP modified carbon cloth electrode and its application in electrochemical detection of Hg( $\text{Hg}^{2+}$ ) by continuous flow in environmental water. <i>Analyst</i> , 2018, 143, 4436-4441.	1.7	8
466	Effect of oxygen, nitrate and aluminum addition on methylmercury efflux from mine-impacted reservoir sediment. <i>Water Research</i> , 2018, 144, 740-751.	5.3	18
467	Do biofilms affect the measurement of mercury by the DGT technique? Microcosm and field tests to prevent biofilm growth. <i>Chemosphere</i> , 2018, 210, 692-698.	4.2	9
468	Chronic effects of mercury on <i>Bufo gargarizans</i> larvae: Thyroid disruption, liver damage, oxidative stress and lipid metabolism disorder. <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 500-509.	2.9	36
469	Nitrogen and sulfur isotopes predict variation in mercury levels in Arctic seabird prey. <i>Marine Pollution Bulletin</i> , 2018, 135, 907-914.	2.3	15
470	Modeling the Influence of Eutrophication and Redox Conditions on Mercury Cycling at the Sediment-Water Interface in the Berre Lagoon. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	13
471	Methylmercury exposure develops atherosclerotic risk factors in the aorta and programmed cell death in the cerebellum: ameliorative action of <i>Celastrus paniculatus</i> ethanolic extract in male Wistar rats. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30212-30223.	2.7	7
472	Mercury Sourcing and Sequestration in Weathering Profiles at Six Critical Zone Observatories. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1542-1555.	1.9	14
473	Chemical Form and Bioaccessibility of Mercury in Traditional Tibetan Medicines. <i>Environmental Science and Technology Letters</i> , 2018, 5, 552-557.	3.9	5
474	Feeding Ecology Tools to Assess Contaminant Exposure in Coastal Mammals. , 2018, , 39-74.		2
475	Legacy Contamination in Estuarine Dolphin Species From the South American Coast. , 2018, , 95-116.		1
476	Impacts of farmed fish consumption and food trade on methylmercury exposure in China. <i>Environment International</i> , 2018, 120, 333-344.	4.8	65
477	Genetic tool development and systemic regulation in biosynthetic technology. <i>Biotechnology for Biofuels</i> , 2018, 11, 152.	6.2	20
478	Mechanism of Accumulation of Methylmercury in Rice ( <i>Oryza sativa</i> L.) in a Mercury Mining Area. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9749-9757.	4.6	36
479	Adverse effect of heavy metals (As, Pb, Hg, and Cr) on health and their bioremediation strategies: a review. <i>International Microbiology</i> , 2018, 21, 97-106.	1.1	207
480	The use of calcium carbonate-enriched clay minerals and diammonium phosphate as novel immobilization agents for mercury remediation: Spectral investigations and field applications. <i>Science of the Total Environment</i> , 2019, 646, 1615-1623.	3.9	50
481	Characteristics of particulate-bound mercury at typical sites situated on dust transport paths in China. <i>Science of the Total Environment</i> , 2019, 648, 1151-1160.	3.9	14
482	Assessment of mercury uptake routes at the soil-plant-atmosphere interface. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2019, 19, 146-154.	0.5	16

#	ARTICLE	IF	CITATIONS
483	An experimental study of the impacts of solar radiation and temperature on mercury emission from different natural soils across China. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 545.	1.3	2
484	Understanding the Role of Surface Oxygen in Hg Removal on Un <sup>δ</sup> Doped and Mn/Fe <sup>δ</sup> Doped CeO <sub>2</sub> (111). <i>Journal of Computational Chemistry</i> , 2019, 40, 2611-2621.	1.5	0
485	Reduction in Hg phytoavailability in soil using Hg <sup>δ</sup> volatilizing bacteria and biochar and the response of the native bacterial community. <i>Microbial Biotechnology</i> , 2019, 12, 1014-1023.	2.0	14
486	Bioimaging of a fluorescence rhodamine-based probe for reversible detection of Hg (II) and its application in real water environment. <i>Microchemical Journal</i> , 2019, 150, 104142.	2.3	36
487	The Use of Geographic Information Systems for Spatial Ecological Risk Assessments: An Example from the Athabasca Oil Sands Area in Canada. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2797-2810.	2.2	13
488	Sources of mercury in deep-sea sediments of the Mediterranean Sea as revealed by mercury stable isotopes. <i>Scientific Reports</i> , 2019, 9, 11626.	1.6	31
489	Exploiting the $\eta^2$ -Fashioned Coordination of [Se <sub>2</sub> ] <sup>δ</sup> Donor Ligand L <sub>3</sub> Se for Facile Hg <sup>δ</sup> C Bond Cleavage of Mercury Alkyls and Cytoprotection against Methylmercury <sup>δ</sup> Induced Toxicity. <i>Chemistry - A European Journal</i> , 2019, 25, 12810-12819.	1.7	5
490	Water soluble cadmium selenide quantum dots for ultrasensitive detection of organic, inorganic and elemental mercury in biological fluids and live cells. <i>RSC Advances</i> , 2019, 9, 22274-22281.	1.7	18
491	Temporal changes in the content of labile and stable mercury forms in soil and their inflow to the southern Baltic Sea. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109434.	2.9	7
492	Highly sensitive near infrared light derived sensor for methyl mercury based on Förster resonance energy transfer from In <sub>2</sub> O <sub>3</sub> : Yb <sup>3+</sup> , Er <sup>3+</sup> to CdTe. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 375107.	1.3	2
493	Seasonal variation of mercury in commercial fishes of the Amazon Triple Frontier, Western Amazon Basin. <i>Ecological Indicators</i> , 2019, 106, 105549.	2.6	26
494	Phenol-Rich Feijoa sellowiana (Pineapple Guava) Extracts Protect Human Red Blood Cells from Mercury-Induced Cellular Toxicity. <i>Antioxidants</i> , 2019, 8, 220.	2.2	32
495	Characteristics of atmospheric mercury at a suburban site in northern Taiwan and influence of trans-boundary haze events. <i>Atmospheric Environment</i> , 2019, 214, 116827.	1.9	23
496	Timber harvest alters mercury bioaccumulation and food web structure in headwater streams. <i>Environmental Pollution</i> , 2019, 253, 636-645.	3.7	13
497	Spiders as biomonitors of metal pollution at Arctic mine sites: The case of the Black Angel Pb-Zn-mine, Maarmorilik, West Greenland. <i>Ecological Indicators</i> , 2019, 106, 105489.	2.6	8
498	A global-scale assessment of fish mercury concentrations and the identification of biological hotspots. <i>Science of the Total Environment</i> , 2019, 687, 956-966.	3.9	37
499	Emission and Migration Characteristics of Mercury in a 0.3 MWth CFB Boiler with Ammonium Bromide-Modified Rice Husk Char Injection into Flue. <i>Energy &amp; Fuels</i> , 2019, 33, 7578-7586.	2.5	4
500	BrHgO <sup>δ</sup> + C <sub>2</sub> H <sub>4</sub> and BrHgO <sup>δ</sup> + HCHO in Atmospheric Oxidation of Mercury: Determining Rate Constants of Reactions with Prereactive Complexes and Bifurcation. <i>Journal of Physical Chemistry A</i> , 2019, 123, 6045-6055.	1.1	13

#	ARTICLE	IF	CITATIONS
501	A multi-year record of atmospheric mercury species at a background mountain station in Andean Patagonia (Argentina): Temporal trends and meteorological influence. <i>Atmospheric Environment</i> , 2019, 214, 116819.	1.9	19
502	Immobilization of elemental mercury in non-ferrous metal smelting gas using ZnSe <sup>1</sup> xSx nanoparticles. <i>Fuel</i> , 2019, 254, 115641.	3.4	44
503	Sol-gel hybrid silicas as an useful tool to mercury removal. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103428.	3.3	4
504	Insights into the Electrochemical Behavior of Mercury on Graphene/SiC Electrodes. <i>Journal of Carbon Research</i> , 2019, 5, 51.	1.4	9
505	Occurrence, speciation and fate of mercury in the sewage sludge of China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 186, 109787.	2.9	19
506	Overlooked Role of Putative Non-Hg Methylators in Predicting Methylmercury Production in Paddy Soils. <i>Environmental Science &amp; Technology</i> , 2019, 53, 12330-12338.	4.6	48
507	Potential Ecological Risk and Health Risk Assessment of Heavy Metals and Metalloid in Soil around Xunyang Mining Areas. <i>Sustainability</i> , 2019, 11, 4828.	1.6	26
508	Mercury exposure, risk factors, and perceptions among women of childbearing age in an artisanal gold mining region of the Peruvian Amazon. <i>Environmental Research</i> , 2019, 179, 108786.	3.7	30
509	The interaction of mercury and methylmercury with chalcogenide nanoparticles. <i>Environmental Pollution</i> , 2019, 255, 113346.	3.7	7
510	Functionalized Electrospun Nanofibers as Colorimetric Sensory Probe for Mercury Detection: A Review. <i>Sensors</i> , 2019, 19, 4763.	2.1	22
511	Mercury contamination of the snow voles ( <i>Chionomys nivalis</i> ) in the West Carpathians. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35988-35995.	2.7	9
512	Eco-potential of <i>Aspergillus penicillioides</i> (F12): bioremediation and antibacterial activity. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	11
513	<i>Curcuma longa</i> rhizome extract mediated unmodified silver nanoparticles as multisensing probe for Hg(II) ions. <i>Materials Research Express</i> , 2019, 6, 1150h5.	0.8	4
514	Colorimetric determination of mercury(II) ion based on DNA-assisted amalgamation: a comparison study on gold, silver and Ag@Au Nanoplates. <i>Mikrochimica Acta</i> , 2019, 186, 713.	2.5	14
515	Process factors driving dynamic exchange of elemental mercury vapor over soil in broadleaf forest ecosystems. <i>Atmospheric Environment</i> , 2019, 219, 117047.	1.9	27
516	Wintering in the Western Subarctic Pacific Increases Mercury Contamination of Red-Legged Kittiwakes. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13398-13407.	4.6	13
517	Using Humic Fractions to Understand Natural Organic Matter Processes in Soil and Water: Selected Studies and Applications. <i>Journal of Environmental Quality</i> , 2019, 48, 1633-1643.	1.0	59
518	Changing ocean systems: A short synthesis. , 2019, , 19-34.		2

#	ARTICLE	IF	CITATIONS
519	Concentration of Mercury in the Livers of Small Terrestrial Rodents from Rural Areas in Poland. <i>Molecules</i> , 2019, 24, 4108.	1.7	10
520	Trapping Ionic Mercury Using Different Adsorbents. <i>Clean - Soil, Air, Water</i> , 2019, 47, 1900356.	0.7	0
521	Mercury transport, transformation and mass balance on a perspective of hydrological processes in a subtropical forest of China. <i>Environmental Pollution</i> , 2019, 254, 113065.	3.7	11
522	Mercury Pollution in the Arctic from Wildfires: Source Attribution for the 2000s. <i>Environmental Science &amp; Technology</i> , 2019, 53, 11269-11275.	4.6	16
523	CeO <sub>2</sub> based catalysts for elemental mercury capture. <i>Energy Procedia</i> , 2019, 158, 4635-4640.	1.8	2
524	The soil displacement measurement of mercury emission flux of the sewage irrigation farmlands in Northern China. <i>Ecosystem Health and Sustainability</i> , 2019, 5, 169-180.	1.5	8
525	Eight-year dry deposition of atmospheric mercury to a tropical high mountain background site downwind of the East Asian continent. <i>Environmental Pollution</i> , 2019, 255, 113128.	3.7	16
526	Effect of Dietary Metal Exposure on the Locomotor Reactions and Food Consumption in Common Carp <i>Cyprinus carpio</i> (L.). <i>Inland Water Biology</i> , 2019, 12, 356-364.	0.2	0
527	Body feather mercury and arsenic concentrations in five species of seabirds from the Falkland Islands. <i>Marine Pollution Bulletin</i> , 2019, 149, 110574.	2.3	13
528	Microbial mercury methylation in the cryosphere: Progress and prospects. <i>Science of the Total Environment</i> , 2019, 697, 134150.	3.9	7
529	Semi-quantitative design of black phosphorous field-effect transistor sensors for heavy metal ion detection in aqueous media. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 491-502.	1.7	17
530	Methylmercury's chemistry: From the environment to the mammalian brain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 129284.	1.1	78
531	Improved Environmental Status: 50 Years of Declining Fish Mercury Levels in Boreal and Subarctic Fennoscandia. <i>Environmental Science &amp; Technology</i> , 2019, 53, 1834-1843.	4.6	20
532	Predictions of Hg <sup>0</sup> and HgCl <sub>2</sub> Adsorption Properties in UiO-66 from Flue Gas Using Molecular Simulations. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5972-5979.	1.5	18
533	Environmental Mercury Chemistry "In Silico". <i>Accounts of Chemical Research</i> , 2019, 52, 379-388.	7.6	40
534	An Integrated Model for Input and Migration of Mercury in Chinese Coastal Sediments. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2460-2471.	4.6	55
535	The role of hydrological conditions for riverine Hg species transport in the Idrija mining area. <i>Environmental Pollution</i> , 2019, 247, 716-724.	3.7	8
536	Environmental causes and reproductive correlates of mercury contamination in European pond turtles ( <i>Emys orbicularis</i> ). <i>Environmental Research</i> , 2019, 172, 338-344.	3.7	14

#	ARTICLE	IF	CITATIONS
537	Mercury Sorption and Desorption on Organo-Mineral Particulates as a Source for Microbial Methylation. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2426-2433.	4.6	52
538	Co-exposure to environmental endocrine disruptors in the US population. <i>Environmental Science and Pollution Research</i> , 2019, 26, 7665-7676.	2.7	19
539	Computational Study on the Photolysis of BrHgONO and the Reactions of BrHgO <sup>•</sup> with CH <sub>4</sub> , C <sub>2</sub> H <sub>6</sub> , NO, and NO <sub>2</sub> : Implications for Formation of Hg(II) Compounds in the Atmosphere. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1637-1647.	1.1	30
540	Collagenic waste and rubber based resin-cured biocomposite adsorbent for high-performance removal(s) of Hg(II), safranin, and brilliant cresyl blue: A cost-friendly waste management approach. <i>Journal of Hazardous Materials</i> , 2019, 369, 199-213.	6.5	37
541	Field Assessment of Colorado pikeminnow Exposure to Mercury Within Its Designated Critical Habitat in Colorado, Utah, and New Mexico. <i>Archives of Environmental Contamination and Toxicology</i> , 2019, 76, 17-30.	2.1	4
542	Temporal and Spatial Distribution of Mercury in Gulls Eggs from the Iberian Peninsula. <i>Archives of Environmental Contamination and Toxicology</i> , 2019, 76, 394-404.	2.1	8
543	Accumulation of Atmospheric Mercury in Glacier Cryoconite over Western China. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6632-6639.	4.6	23
544	Potential sources and associated risk assessment of potentially toxic elements in paddy soils of a combined urban and rural area. <i>Environmental Science and Pollution Research</i> , 2019, 26, 23615-23624.	2.7	9
545	Sodium/calcium overload and Sirt1/Nrf2/OH-1 pathway are critical events in mercuric chloride-induced nephrotoxicity. <i>Chemosphere</i> , 2019, 234, 579-588.	4.2	24
546	Mercury Accumulation in Millipedes ( <i>Narceus</i> spp.) Living Adjacent to a Southern Appalachian Mountain Stream (USA). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 103, 528-532.	1.3	2
547	Evolution of four-decade atmospheric mercury release from a coal-fired power plant in North China. <i>Atmospheric Environment</i> , 2019, 213, 526-533.	1.9	16
548	Chronic Methylmercury Exposure Induces Production of Prostaglandins: Evidence From A Population Study and A Rat Dosing Experiment. <i>Environmental Science &amp; Technology</i> , 2019, 53, 7782-7791.	4.6	4
549	Mercury in archaeological human bone: biogenic or diagenetic?. <i>Journal of Archaeological Science</i> , 2019, 108, 104969.	1.2	24
550	Methylmercury production in a paddy soil and its uptake by rice plants as affected by different geochemical mercury pools. <i>Environment International</i> , 2019, 129, 461-469.	4.8	52
551	Mercury as a proxy for volcanic emissions in the geologic record. <i>Earth-Science Reviews</i> , 2019, 196, 102880.	4.0	232
552	Substantially higher concentrations of mercury are detected in airborne particulate matter when using a preservation agent during sample preparation steps. <i>Environmental Pollution</i> , 2019, 252, 637-643.	3.7	3
553	Methylmercury concentrations and potential sources in atmospheric fine particles in Beijing, China. <i>Science of the Total Environment</i> , 2019, 681, 183-190.	3.9	9
554	Decontamination of Mercury-Containing Aqueous Streams by Electrochemical Alloy Formation on Copper. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 9166-9172.	1.8	7

#	ARTICLE	IF	CITATIONS
555	Selective and rapid detection of mercury ion based on DNA assembly and nicking endonuclease-assisted signal amplification. <i>Analytical Methods</i> , 2019, 11, 3073-3078.	1.3	7
556	The microbial mercury link in oligotrophic lakes: Bioaccumulation by picocyanobacteria in natural gradients of dissolved organic matter. <i>Chemosphere</i> , 2019, 230, 360-368.	4.2	3
557	Chromium removal from contaminated waters using nanomaterials – A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 277-291.	5.8	103
558	A novel highly selective colorimetric and fluorimetric chemosensor for detecting Hg <sup>2+</sup> based on Rhodamine B hydrazide derivatives in aqueous media. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 379, 105-111.	2.0	25
559	Mechanisms of mercury removal from aqueous solution by high-fixation hydroxyapatite sorbents. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 7221-7228.	1.8	8
560	Mercury concentration and speciation in mine wastes in Tongren mercury mining area, southwest China and environmental effects. <i>Applied Geochemistry</i> , 2019, 106, 112-119.	1.4	27
561	Mercury Uptake by <i>Desulfovibrio desulfuricans</i> ND132: Passive or Active?. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6264-6272.	4.6	33
562	HAIR, WHOLE BLOOD, AND BLOOD-SOAKED CELLULOSE PAPER-BASED RISK ASSESSMENT OF MERCURY CONCENTRATIONS IN STRANDED CALIFORNIA PINNIPEDS. <i>Journal of Wildlife Diseases</i> , 2019, 55, 823.	0.3	16
563	Ambient Mercury Observations near a Coal-Fired Power Plant in a Western U.S. Urban Area. <i>Atmosphere</i> , 2019, 10, 176.	1.0	6
564	Removal of Hg(II) Ions from Aqueous Environment with the Use of Modified LUS-1 as New Nanostructured Adsorbent. <i>International Journal of Environmental Research</i> , 2019, 13, 557-569.	1.1	8
565	Co <sub>3</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> Hybrids for Gas-Phase Hg <sup>0</sup> Removal at Low Temperature. <i>Processes</i> , 2019, 7, 279.	1.3	38
566	Blood mercury levels in mute swans ( <i>Cygnus olor</i> ) are not related to sex, but are related to age, with no blood parameter implications. <i>Environmental Pollution</i> , 2019, 252, 21-30.	3.7	8
567	Measurement of size-fractionated particulate-bound mercury in Beijing and implications on sources and dry deposition of mercury. <i>Science of the Total Environment</i> , 2019, 675, 176-183.	3.9	17
568	Periphyton and Flocculent Materials Are Important Ecological Compartments Supporting Abundant and Diverse Mercury Methylator Assemblages in the Florida Everglades. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	21
569	Mercury methylation by anaerobic microorganisms: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 1893-1936.	6.6	114
570	Energy-induced mercury emissions in global supply chain networks: Structural characteristics and policy implications. <i>Science of the Total Environment</i> , 2019, 670, 87-97.	3.9	43
571	Sea-dumped ammunition as a possible source of mercury to the Baltic Sea sediments. <i>Science of the Total Environment</i> , 2019, 674, 363-373.	3.9	25
572	A sensorial colorimetric detection method for Hg <sup>2+</sup> and Cu <sup>2+</sup> ions using single probe sensor based on 5-methyl-1,3,4-thiadiazole-2-thiol stabilized gold nanoparticles and its application in real water sample analysis. <i>Microchemical Journal</i> , 2019, 147, 1163-1172.	2.3	13



#	ARTICLE	IF	CITATIONS
573	Colorimetric detection of mercury ions based on anti-aggregation of gold nanoparticles using 3, 5-dimethyl-1-thiocarboxamidepyrazole. <i>Microchemical Journal</i> , 2019, 148, 299-305.	2.3	37
574	Ratiometric fluorometric determination of mercury(II) by exploiting its quenching effect on glutathione-stabilized and tetraphenylporphyrin modified gold nanoclusters. <i>Mikrochimica Acta</i> , 2019, 186, 307.	2.5	12
575	Automated Stable Isotope Sampling of Gaseous Elemental Mercury (ISO-GEM): Insights into GEM Emissions from Building Surfaces. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4346-4354.	4.6	15
576	Sediment organic carbon and temperature effects on methylmercury concentration: A mesocosm experiment. <i>Science of the Total Environment</i> , 2019, 666, 1316-1326.	3.9	17
577	A New Perspective is Required to Understand the Role of Forest Ecosystems in Global Mercury Cycle: A Review. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 102, 650-656.	1.3	12
578	Spatial distribution of mercury in seawater, sediment, and seafood from the Hardangerfjord ecosystem, Norway. <i>Science of the Total Environment</i> , 2019, 667, 622-637.	3.9	37
579	Determination of Total Mercury and Methylmercury Concentrations in Commercial Canine Diets. <i>Topics in Companion Animal Medicine</i> , 2019, 35, 6-10.	0.4	4
580	Carbon-13 Mercury Interactions in Spodosols Assessed through Density Fractionation, Radiocarbon Analysis, and Soil Survey Information. <i>Soil Science Society of America Journal</i> , 2019, 83, 190-202.	1.2	6
581	Stopover departure behavior and flight orientation of spring-migrant Yellow-rumped Warblers ( <i>Setophaga coronata</i> ) experimentally exposed to methylmercury. <i>Journal of Ornithology</i> , 2019, 160, 617-624.	0.5	18
582	A highly sensitive and selective "on-off-on" fluorescent sensor based on nitrogen doped graphene quantum dots for the detection of Hg <sup>2+</sup> and paraquat. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 96-103.	4.0	103
583	Synthesis and characterization of novel bithiazolidine derivatives-capped CdTe/CdS quantum dots used as a novel Hg <sup>2+</sup> fluorescence sensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 216, 418-423.	2.0	21
584	A Review on the Status of Mercury Pollution in Pakistan: Sources and Impacts. <i>Archives of Environmental Contamination and Toxicology</i> , 2019, 76, 519-527.	2.1	11
585	Upward mercury transfer by anecic earthworms in a contaminated soil. <i>European Journal of Soil Biology</i> , 2019, 91, 32-37.	1.4	5
586	Effects of methylmercury on mosquito oviposition behavior: Maladaptive response to non-toxic exposure. <i>Science of the Total Environment</i> , 2019, 667, 248-254.	3.9	1
587	System for mercury preconcentration in natural waters based on a polymer inclusion membrane incorporating an ionic liquid. <i>Journal of Hazardous Materials</i> , 2019, 371, 316-322.	6.5	34
588	Diurnal fluxes of gaseous elemental mercury from the water-air interface in coastal environments of the northern Adriatic Sea. <i>Science of the Total Environment</i> , 2019, 668, 925-935.	3.9	25
589	The abundance, distribution and speciation of mercury in waters and sediments of the Adriatic Sea. <i>Acta Adriatica</i> , 2019, 58, 165-186.	0.2	6
590	Cold vapor integrated quartz crystal microbalance (CV-QCM) based detection of mercury ions with gold nanostructures. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 453-458.	4.0	13

#	ARTICLE	IF	CITATIONS
591	Selenium and mercury concentration in drinking water and food samples from a coal mining area in Brazil. <i>Environmental Science and Pollution Research</i> , 2019, 26, 15510-15517.	2.7	15
592	Reference values of methyl mercury mass fractions in new type of environmental matrix-matching materials for speciation analysis assigned by species-specific isotope dilution inductively coupled plasma mass spectrometry and high-performance liquid chromatography. <i>Microchemical Journal</i> , 2019, 147, 674-681.	2.3	7
593	The three "B" of fish mercury in China: Bioaccumulation, biodynamics and biotransformation. <i>Environmental Pollution</i> , 2019, 250, 216-232.	3.7	47
594	Mercury as an indicator of foraging ecology but not the breeding hormone prolactin in seabirds. <i>Ecological Indicators</i> , 2019, 103, 248-259.	2.6	11
595	Source contribution analysis of mercury deposition using an enhanced CALPUFF-Hg in the central Pearl River Delta, China. <i>Environmental Pollution</i> , 2019, 250, 1032-1043.	3.7	13
596	Mercury Exposure and Altered Parental Nesting Behavior in a Wild Songbird. <i>Environmental Science &amp; Technology</i> , 2019, 53, 5396-5405.	4.6	17
597	Elemental Mercury Removal by MnO <sub>2</sub> Nanoparticle-Decorated Carbon Nitride Nanosheet. <i>Energy &amp; Fuels</i> , 2019, 33, 3089-3097.	2.5	50
598	Mapping the Evolution of Mercury (Hg) Research in the Amazon (1991-2017): A Scientometric Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1111.	1.2	9
599	Lake sediment mercury biogeochemistry controlled by sulphate input from drainage basin. <i>Applied Geochemistry</i> , 2019, 104, 135-145.	1.4	7
600	A Lysosome-Targetable Fluorescence Sensor for Ultrasensitive Detection of Hg <sup>2+</sup> in Living Cells and Real Samples. <i>Chemical Research in Toxicology</i> , 2019, 32, 1144-1150.	1.7	22
601	Mercury Concentrations Vary Within and Among Individual Bird Feathers: A Critical Evaluation and Guidelines for Feather Use in Mercury Monitoring Programs. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1164-1187.	2.2	47
602	Total mercury, chromium, nickel and other trace chemical element contents in soils at an old cinnabar mine site (MernÁk, Slovakia): anthropogenic versus natural sources of soil contamination. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 263.	1.3	19
603	Development of sensing method for mercury ions and cell imaging based on highly fluorescent gold nanoclusters. <i>Microchemical Journal</i> , 2019, 146, 1140-1149.	2.3	14
604	Sensitive electrochemical detection of Hg(II) via a FeOOH modified nanoporous gold microelectrode. <i>Sensors and Actuators B: Chemical</i> , 2019, 287, 517-525.	4.0	50
605	Mercury bioaccumulation in stream food webs of the Finger Lakes in central New York State, USA. <i>Ecotoxicology and Environmental Safety</i> , 2019, 172, 265-272.	2.9	17
606	Screening-level risk assessment of methylmercury for non-anadromous Arctic char ( <i>Salvelinus</i> ) Tj ETQq1 1 0,784314 rgBT /Ove	2.2	11
607	Docosahexaenoic acid enhances methylmercury-induced endoplasmic reticulum stress and cell death and eicosapentaenoic acid potentially attenuates these effects in mouse embryonic fibroblasts. <i>Toxicology Letters</i> , 2019, 306, 35-42.	0.4	10
608	Determination of ultra-low volatile mercury concentrations in sulfur-rich gases and liquids. <i>Talanta</i> , 2019, 199, 277-284.	2.9	13

#	ARTICLE	IF	CITATIONS
609	Proteome changes in methylmercury-exposed mouse primary cerebellar granule neurons and astrocytes. <i>Toxicology in Vitro</i> , 2019, 57, 96-104.	1.1	9
610	Recent advances in sensitive and rapid mercury determination with graphene-based sensors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6616-6630.	5.2	73
611	Can the MerPAS Passive Air Sampler Discriminate Landscape, Seasonal, and Elevation Effects on Atmospheric Mercury? A Feasibility Study in Mississippi, USA. <i>Atmosphere</i> , 2019, 10, 617.	1.0	8
612	Application of the Passive Sampler Developed for Atmospheric Mercury and Its Limitation. <i>Atmosphere</i> , 2019, 10, 678.	1.0	5
613	Primary Suppliers Driving Atmospheric Mercury Emissions through Global Supply Chains. <i>One Earth</i> , 2019, 1, 254-266.	3.6	50
614	The Mercury Behavior and Contamination in Soil Profiles in Mun River Basin, Northeast Thailand. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4131.	1.2	22
615	Rice life cycle-based global mercury biotransport and human methylmercury exposure. <i>Nature Communications</i> , 2019, 10, 5164.	5.8	84
616	Chemical analysis of Hg0-containing Hindu religious objects. <i>PLoS ONE</i> , 2019, 14, e0226855.	1.1	5
617	Marine fog inputs appear to increase methylmercury bioaccumulation in a coastal terrestrial food web. <i>Scientific Reports</i> , 2019, 9, 17611.	1.6	17
618	The World's Worst Problems. , 2019, , .		7
619	Determination of mercury solvation during cyanidation of artisanal & small-scale gold mining tailings via inductively coupled plasma optical emission spectroscopy in comparison to direct mercury analysis. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-11.	1.8	2
620	The Mercury-Tolerant Microbiota of the Zooplankton <i>Daphnia</i> Aids in Host Survival and Maintains Fecundity under Mercury Stress. <i>Environmental Science &amp; Technology</i> , 2019, 53, 14688-14699.	4.6	12
621	Mercury Exposure, Fish Consumption, and Perceived Risk among Pregnant Women in Coastal Florida. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4903.	1.2	9
622	Mesoporous silica based recyclable probe for colorimetric detection and separation of ppb level Hg <sup>2+</sup> from aqueous medium. <i>Scientific Reports</i> , 2019, 9, 19378.	1.6	19
623	Weir building: A potential cost-effective method for reducing mercury leaching from abandoned mining tailings. <i>Science of the Total Environment</i> , 2019, 651, 171-178.	3.9	7
624	Synthesis and evaluation of activated carbon spheres with copper modification for gaseous elemental mercury removal. <i>Journal of Porous Materials</i> , 2019, 26, 693-703.	1.3	11
625	Mercury mobility and effects in the salt-marsh plant <i>Halimione portulacoides</i> : Uptake, transport, and toxicity and tolerance mechanisms. <i>Science of the Total Environment</i> , 2019, 650, 111-120.	3.9	44
626	Investigation of mercury emissions from burning of Australian eucalypt forest surface fuels using a combustion wind tunnel and field observations. <i>Atmospheric Environment</i> , 2019, 202, 17-27.	1.9	21

#	ARTICLE	IF	CITATIONS
627	Isolation of the Hg(II)-volatilizing <i>Bacillus</i> sp. strain DCB2 and its potential to remediate Hg(II)-contaminated soils. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1433-1440.	1.6	14
628	Mercury Stable Isotope Fractionation During Coal Combustion in Coal-Fired Boilers: Reconciling Atmospheric Hg Isotope Observations with Hg Isotope Fractionation Theory. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 102, 657-664.	1.3	18
629	Reliable quantification of mercury in natural waters using surface modified magnetite nanoparticles. <i>Chemosphere</i> , 2019, 220, 565-573.	4.2	8
630	Mercury stable isotope compositions of Chinese urban fine particulates in winter haze days: Implications for Hg sources and transformations. <i>Chemical Geology</i> , 2019, 504, 267-275.	1.4	30
631	Mercury contamination in resident and migrant songbirds and potential effects on body condition. <i>Environmental Pollution</i> , 2019, 246, 797-810.	3.7	39
632	The influence of a submerged meadow on uptake and trophic transfer of legacy mercury from contaminated sediment in the food web in a brackish Norwegian fjord. <i>Science of the Total Environment</i> , 2019, 654, 209-217.	3.9	5
633	The Mo modified Ce/TiO <sub>2</sub> catalyst for simultaneous Hg <sup>0</sup> oxidation and NO reduction. <i>Journal of the Energy Institute</i> , 2019, 92, 1313-1328.	2.7	27
634	Knowledge and awareness of health effects related to the use of mercury in artisanal and small-scale gold mining in Suriname. <i>Environment International</i> , 2019, 122, 142-150.	4.8	30
635	Tracing Mercury Pollution along the Norwegian Coast via Elemental, Speciation, and Isotopic Analysis of Liver and Muscle Tissue of Deep-Water Marine Fish ( <i>Brosme brosme</i> ). <i>Environmental Science &amp; Technology</i> , 2019, 53, 1776-1785.	4.6	38
636	Investigate the impact of local iron-steel industrial emission on atmospheric mercury concentration in Yangtze River Delta, China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5862-5872.	2.7	13
637	Sorption kinetics of isotopically labelled divalent mercury (196Hg <sup>2+</sup> ) in soil. <i>Chemosphere</i> , 2019, 221, 193-202.	4.2	10
638	Speciation of mercury in water and freshwater fish samples using two-step hollow fiber liquid phase microextraction with electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 152, 102-108.	1.5	37
639	High-efficient adsorption and removal of elemental mercury from smelting flue gas by cobalt sulfide. <i>Environmental Science and Pollution Research</i> , 2019, 26, 6735-6744.	2.7	33
640	Scalable Synthesis of Collagenic-Waste and Natural Rubber-Based Biocomposite for Removal of Hg(II) and Dyes: Approach for Cost-Friendly Waste Management. <i>ACS Omega</i> , 2019, 4, 421-436.	1.6	27
641	Geochemistry of Mercury in the Marine Environment. , 2019, , 301-308.		6
642	Speciation of organomercury compounds by capillary electrophoresis with pre-column derivatization and on-line stacking. <i>Chinese Chemical Letters</i> , 2019, 30, 650-652.	4.8	2
643	Mechanisms of radical-initiated methylmercury degradation in soil with coexisting Fe and Cu. <i>Science of the Total Environment</i> , 2019, 652, 52-58.	3.9	11
644	Synthesis of CeO <sub>2</sub> -modified activated carbon spheres by grafting and coordinating reactions for elemental mercury removal. <i>Journal of Materials Science</i> , 2019, 54, 2836-2852.	1.7	11

#	ARTICLE	IF	CITATIONS
645	Methylmercury-induced testis damage is associated with activation of oxidative stress and germ cell autophagy. <i>Journal of Inorganic Biochemistry</i> , 2019, 190, 67-74.	1.5	26
646	Mercury sequestration and transformation in chemically enhanced treatment wetlands. <i>Chemosphere</i> , 2019, 217, 496-506.	4.2	8
647	Mercury Stable Isotope Fractionation during Abiotic Dark Oxidation in the Presence of Thiols and Natural Organic Matter. <i>Environmental Science &amp; Technology</i> , 2019, 53, 1853-1862.	4.6	77
648	Mercury speciation and mobility in salt slurry and soils from an abandoned chlor-alkali plant, Southwest China. <i>Science of the Total Environment</i> , 2019, 652, 900-906.	3.9	12
649	Primary effects of changes in meteorology vs. anthropogenic emissions on mercury wet deposition: A modeling study. <i>Atmospheric Environment</i> , 2019, 198, 215-225.	1.9	11
650	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
651	Acute and Sublethal Effects of Ethylmercury Chloride on Chinese Rare Minnow ( <i>Gobiocypris rarus</i> ): Accumulation, Elimination, and Histological Changes. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 102, 708-713.	1.3	6
652	Role of Ceria in the Design of Composite Materials for Elemental Mercury Removal. <i>Chemical Record</i> , 2019, 19, 1407-1419.	2.9	19
653	Terrestrial sources as the primary delivery mechanism of mercury to the oceans across the Toarcian Oceanic Anoxic Event (Early Jurassic). <i>Earth and Planetary Science Letters</i> , 2019, 507, 62-72.	1.8	146
654	Aerobic and Anaerobic Bacterial Mercury Uptake is Driven by Algal Organic Matter Composition and Molecular Weight. <i>Environmental Science &amp; Technology</i> , 2019, 53, 157-165.	4.6	56
655	Combined experimental and theoretical studies on adsorption mechanisms of gaseous mercury(II) by calcium-based sorbents: The effect of unsaturated oxygen sites. <i>Science of the Total Environment</i> , 2019, 656, 937-945.	3.9	27
656	Biotransport of metallic trace elements from marine to terrestrial ecosystems by seabirds. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 106-114.	2.2	12
657	Stable isotope analyses revealed the influence of foraging habitat on mercury accumulation in tropical coastal marine fish. <i>Science of the Total Environment</i> , 2019, 650, 2129-2140.	3.9	41
658	The threat of global mercury pollution to bird migration: potential mechanisms and current evidence. <i>Ecotoxicology</i> , 2020, 29, 1254-1267.	1.1	34
659	Mercury contamination levels in the bioindicator piscivorous fish <i>Hoplias aÃmara</i> in French Guiana rivers: mapping for risk assessment. <i>Environmental Science and Pollution Research</i> , 2020, 27, 3624-3636.	2.7	11
661	Mercury detoxification by absorption, mercuric ion reductase, and exopolysaccharides: a comprehensive study. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27181-27201.	2.7	38
662	Risk assessment of the use of alternative animal and plant raw material resources in aquaculture feeds. <i>Reviews in Aquaculture</i> , 2020, 12, 703-758.	4.6	107
663	Patterns of blood mercury variation in two long-distance migratory thrushes on Mount Mansfield, Vermont. <i>Ecotoxicology</i> , 2020, 29, 1174-1182.	1.1	2

#	ARTICLE	IF	CITATIONS
664	Mercury and Atherosclerosis: Cell Biology, Pathophysiology, and Epidemiological Studies. <i>Biological Trace Element Research</i> , 2020, 196, 27-36.	1.9	17
665	Intestinal microbiome and metal toxicity. <i>Current Opinion in Toxicology</i> , 2020, 19, 21-27.	2.6	33
666	Impacts of anthropogenic emissions and meteorology on mercury deposition over lake vs land surface in upstate New York. <i>Ecotoxicology</i> , 2020, 29, 1590-1601.	1.1	6
667	An assessment of temporal trends in mercury concentrations in fish. <i>Ecotoxicology</i> , 2020, 29, 1739-1749.	1.1	21
668	Mercury isotope variations within the marine food web of Chinese Bohai Sea: Implications for mercury sources and biogeochemical cycling. <i>Journal of Hazardous Materials</i> , 2020, 384, 121379.	6.5	40
669	Precession-driven monsoonal activity controlled the development of the early Albian Paquier oceanic anoxic event (OAE1b): Evidence from the Vocontian Basin, SE France. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 537, 109406.	1.0	15
670	Advanced Mass Spectrometry for Beverage Safety and Forensic. , 2020, , 223-269.		1
671	Resolving a paradox—high mercury deposition, but low bioaccumulation in northeastern Puerto Rico. <i>Ecotoxicology</i> , 2020, 29, 1207-1220.	1.1	8
672	Variation in the mercury concentration and stable isotope composition of atmospheric total suspended particles in Beijing, China. <i>Journal of Hazardous Materials</i> , 2020, 383, 121131.	6.5	12
673	Evaluation of the inhibition of mercury absorption by vegetable juices using a red sea bream intestine model. <i>Food Chemistry</i> , 2020, 303, 125351.	4.2	1
674	Turning fulvic acid into silver loaded carbon nanosheet as a regenerable sorbent for complete Hg <sup>0</sup> removal in H <sub>2</sub> S containing natural gas. <i>Chemical Engineering Journal</i> , 2020, 379, 122265.	6.6	10
675	Continuous exposure to mercury during embryogenesis and chick development affects later survival and reproduction of zebra finch ( <i>Taeniopygia guttata</i> ). <i>Ecotoxicology</i> , 2020, 29, 1117-1127.	1.1	8
676	Elemental composition of aquaculture fish from West Bengal, India: nutrition versus food safety. <i>Environmental Geochemistry and Health</i> , 2020, 42, 1211-1228.	1.8	12
677	Newly deposited atmospheric mercury in a simulated rice ecosystem in an active mercury mining region: High loading, accumulation, and availability. <i>Chemosphere</i> , 2020, 238, 124630.	4.2	21
678	Spatial patterns and temporal trends in mercury concentrations in common loons ( <i>Gavia immer</i> ) from 1998 to 2016 in New York's Adirondack Park: has this top predator benefitted from mercury emission controls?. <i>Ecotoxicology</i> , 2020, 29, 1774-1785.	1.1	7
679	A DNA-based biosensor for aqueous Hg(II): Performance under variable pH, temperature and competing ligand composition. <i>Journal of Hazardous Materials</i> , 2020, 385, 121572.	6.5	20
680	Highly sensitive detection of trace Hg <sup>2+</sup> via PdNPs/g-C <sub>3</sub> N <sub>4</sub> nanosheet-modified electrodes using DPV. <i>Microchemical Journal</i> , 2020, 152, 104356.	2.3	12
681	Development of a Novel Equilibrium Passive Sampling Device for Methylmercury in Sediment and Soil Porewaters. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 323-334.	2.2	7

#	ARTICLE	IF	CITATIONS
682	Clinical Evaluation of a Chairside Amalgam Separator to Meet Environmental Protection Agency Dental Wastewater Regulatory Compliance. <i>Operative Dentistry</i> , 2020, 45, 151-162.	0.6	1
683	Bald eagle mercury exposure varies with region and site elevation in New York, USA. <i>Ecotoxicology</i> , 2020, 29, 1862-1876.	1.1	5
684	Temporal trends in fish mercury concentrations in an Adirondack Lake managed with a continual predator removal program. <i>Ecotoxicology</i> , 2020, 29, 1762-1773.	1.1	6
685	Recent developments in environmental mercury bioremediation and its toxicity: A review. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 13, 100283.	1.7	57
686	Mercury increase in Lake Champlain fish: links to fishery dynamics and extreme climatic events. <i>Ecotoxicology</i> , 2020, 29, 1750-1761.	1.1	2
687	Observation and estimation of mercury exchange fluxes from soil under different crop cultivars and planting densities in North China Plain. <i>Environmental Pollution</i> , 2020, 259, 113833.	3.7	12
688	Synthesis of Maternal Transfer of Mercury in Birds: Implications for Altered Toxicity Risk. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2878-2891.	4.6	32
689	Indirect determination of mercury(II) by using magnetic nanoparticles, CdS quantum dots and mercury(II)-binding aptamers, and quantitation of released CdS by graphite furnace AAAS. <i>Mikrochimica Acta</i> , 2020, 187, 91.	2.5	8
690	Photocatalytic oxidation removal of elemental mercury from flue gas. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 417-431.	8.3	40
691	The effects of climate, habitat, and trophic position on methylmercury bioavailability for breeding New York songbirds. <i>Ecotoxicology</i> , 2020, 29, 1843-1861.	1.1	11
692	The performance of diffusive gradient in thin film probes for the long-term monitoring of trace level total mercury in water. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 66.	1.3	10
693	Mercury emissions from Peruvian gold shops: Potential ramifications for Minamata compliance in artisanal and small-scale gold mining communities. <i>Environmental Research</i> , 2020, 182, 109042.	3.7	24
694	Human health risk of methylmercury from fish consumption at the largest floodplain in Colombia. <i>Environmental Research</i> , 2020, 182, 109050.	3.7	28
695	A simple determination of trace mercury concentrations in natural waters using dispersive Micro-Solid phase extraction preconcentration based on functionalized graphene nanosheets. <i>Microchemical Journal</i> , 2020, 154, 104549.	2.3	22
696	Modeling the OH-Initiated Oxidation of Mercury in the Global Atmosphere without Violating Physical Laws. <i>Journal of Physical Chemistry A</i> , 2020, 124, 444-453.	1.1	33
697	An ultrasensitive electrochemiluminescence resonance energy transfer biosensor for divalent mercury monitoring. <i>Journal of Electroanalytical Chemistry</i> , 2020, 856, 113494.	1.9	12
698	Permafrost degradation enhances the risk of mercury release on Qinghai-Tibetan Plateau. <i>Science of the Total Environment</i> , 2020, 708, 135127.	3.9	35
699	Assessment of ecotoxicological risks to river otters from ingestion of invasive red swamp crayfish in metal contaminated areas: Use of feces to estimate dietary exposure. <i>Environmental Research</i> , 2020, 181, 108907.	3.7	13

#	ARTICLE	IF	CITATIONS
700	Tracking Mercury in Individual <i>Tetrahymena</i> Using a Capillary Single-Cell Inductively Coupled Plasma Mass Spectrometry Online System. <i>Analytical Chemistry</i> , 2020, 92, 622-627.	3.2	30
701	Mercury accumulation in soil fractions of podzols from two contrasted geographical temperate areas: southwest Europe and southernmost America. <i>Geoderma</i> , 2020, 362, 114120.	2.3	8
702	Characteristics of mercury speciation in seawater and emission flux of gaseous mercury in the Bohai Sea and Yellow Sea. <i>Environmental Research</i> , 2020, 182, 109092.	3.7	13
703	Swift evolutionary response of microbes to a rise in anthropogenic mercury in the Northern Hemisphere. <i>ISME Journal</i> , 2020, 14, 788-800.	4.4	18
704	Mercury in the fish of New York's Great Lakes: A quarter century of near stability. <i>Ecotoxicology</i> , 2020, 29, 1721-1738.	1.1	5
705	Environmental applications (air). , 2020, , 647-671.		1
706	Mercury and dissolved organic matter dynamics during snowmelt runoff in a montane watershed, Provo River, Utah, USA. <i>Science of the Total Environment</i> , 2020, 704, 135297.	3.9	12
707	Toxicity of mercury: Molecular evidence. <i>Chemosphere</i> , 2020, 245, 125586.	4.2	199
708	Mercury accumulation in soil from atmospheric deposition in temperate steppe of Inner Mongolia, China. <i>Environmental Pollution</i> , 2020, 258, 113692.	3.7	10
709	Study of mercury transport and transformation in mangrove forests using stable mercury isotopes. <i>Science of the Total Environment</i> , 2020, 704, 135928.	3.9	26
710	Methylmercury exposure in wildlife: A review of the ecological and physiological processes affecting contaminant concentrations and their interpretation. <i>Science of the Total Environment</i> , 2020, 711, 135117.	3.9	96
711	An updated review of atmospheric mercury. <i>Science of the Total Environment</i> , 2020, 707, 135575.	3.9	111
712	Relationships between mercury concentrations in fur and stomach contents of river otter ( <i>Lontra</i> ) for environmental factors determining mercury bioavailability. <i>Environmental Research</i> , 2020, 181, 108961.	3.7	7
713	Oceanic mercury concentrations on both sides of the Strait of Gibraltar decreased between 1989 and 2012. <i>Anthropocene</i> , 2020, 29, 100230.	1.6	8
714	One-pot synthesis of highly fluorescent boron and nitrogen co-doped graphene quantum dots for the highly sensitive and selective detection of mercury ions in aqueous media. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 389, 112255.	2.0	25
715	Selective colorimetric detection of Hg(II) using silver nanoparticles modified with Apple and <i>Nigella Sativa</i> seed extracts and $\beta$ -Cyclodextrin. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103566.	3.3	4
716	Facile Synthesis of Nitrogen-Doped Green-Emission Carbon Dots as Fluorescent Off-On Probes for the Highly Selective Sensing Mercury and Iodine Ions. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2045-2054.	0.9	19
717	Effect of Intense Weathering and Postdepositional Degradation of Organic Matter on Hg/TOC Proxy in Organic-rich Sediments and its Implications for Deep-Time Investigations. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008707.	1.0	43



#	ARTICLE	IF	CITATIONS
718	Spatial and Temporal Trends of Gaseous Elemental Mercury over a Highly Impacted Coastal Environment (Northern Adriatic, Italy). <i>Atmosphere</i> , 2020, 11, 935.	1.0	14
719	Gaseous Elemental Mercury Concentrations along the Northern Gulf of Mexico Using Passive Air Sampling, with a Comparison to Active Sampling. <i>Atmosphere</i> , 2020, 11, 1034.	1.0	4
720	Potential impacts of mercury released from thawing permafrost. <i>Nature Communications</i> , 2020, 11, 4650.	5.8	77
721	First experimental kinetic study of the atmospherically important reaction of BrHg+NO <sub>2</sub> . <i>Chemical Physics Letters</i> , 2020, 759, 137928.	1.2	10
722	Ultrasensitive colorimetric detection of Hg <sup>2+</sup> in aqueous media via green synthesis by <i>Ziziphus mauritiana</i> Leaf extract-based silver nanoparticles. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 7046-7061.	1.8	8
723	Direct Measurement of Aqueous Mercury(II): Combining DNA-Based Sensing with Diffusive Gradients in Thin Films. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13680-13689.	4.6	16
724	A New Molecular Probe for Colorimetric and Fluorometric Detection and Removal of Hg <sup>2+</sup> and its Application as Agarose Film-Based Sensor for On-Site Monitoring. <i>Journal of Fluorescence</i> , 2020, 30, 1531-1542.	1.3	5
725	Selenium relieves oxidative stress, inflammation, and apoptosis within spleen of chicken exposed to mercuric chloride. <i>Poultry Science</i> , 2020, 99, 5430-5439.	1.5	49
726	Ratiometric-enhanced G-Quadruplex Probes for Amplified and Mix-to-Read Detection of Mercury Pollution in Aquatic Products. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 12124-12131.	2.4	24
727	Analytical methods for mercury speciation, detection, and measurement in water, oil, and gas. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 132, 116016.	5.8	46
728	Effect of additives on mercury partitioning in wet-limestone flue-gas desulfurization. <i>Clean Energy</i> , 2020, 4, 132-141.	1.5	3
729	Particulate bound mercury Hg(p) concentrations, compositions and dry depositions study around mixed and agricultural (MA) sites. <i>Environmental Forensics</i> , 2020, 21, 241-249.	1.3	2
730	Facile synthesis of Ag/Cu-cellulose nanocomposite for detection, photocatalysis and anti-microbial applications. <i>Optik</i> , 2020, 220, 165218.	1.4	14
731	Potentially Toxic Elements (PTEs) in the Fillet of Narrow-Barred Spanish Mackerel ( <i>Scomberomorus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo Research, 2021, 199, 3497-3509.	1.9	19
732	Trends and biological effects of environmental contaminants in lamprey. <i>Journal of Great Lakes Research</i> , 2021, 47, S112-S128.	0.8	10
733	3D Nanoarchitecture of Polyaniline-MoS <sub>2</sub> Hybrid Material for Hg(II) Adsorption Properties. <i>Polymers</i> , 2020, 12, 2731.	2.0	18
734	Photochemistry of oxidized Hg(I) and Hg(II) species suggests missing mercury oxidation in the troposphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30949-30956.	3.3	50
735	Artificial lake expansion amplifies mercury pollution from gold mining. <i>Science Advances</i> , 2020, 6, .	4.7	34

#	ARTICLE	IF	CITATIONS
736	Circulating trace elements: Comparison between early and late incubation in common eiders ( <i>Somateria mollissima</i> ) in the central Baltic Sea. <i>Environmental Research</i> , 2020, 191, 110120.	3.7	0
737	A synthesis of patterns of environmental mercury inputs, exposure and effects in New York State. <i>Ecotoxicology</i> , 2020, 29, 1565-1589.	1.1	6
738	China's retrofitting measures in coal-fired power plants bring significant mercury-related health benefits. <i>One Earth</i> , 2020, 3, 777-787.	3.6	37
739	Mercury isotopes identify near-surface marine mercury in deep-sea trench biota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29292-29298.	3.3	42
740	Conversion of Isocyanide to Amine in The Presence of Water and Hg(II) Ions: Kinetics and Mechanism as Detected by Fluorescence Spectroscopy and Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5588.	1.8	3
741	Low mercury, cadmium and lead concentrations in tuna products from the eastern Pacific. <i>Heliyon</i> , 2020, 6, e04576.	1.4	11
742	A shift in sulfur-cycle manipulation from atmospheric emissions to agricultural additions. <i>Nature Geoscience</i> , 2020, 13, 597-604.	5.4	62
743	Rapid and selective detection of Hg( <sup>II</sup> ) in water using AuNP <i>in situ</i> -modified filter paper by a head-space solid phase extraction Zeeman atomic absorption spectroscopy method. <i>New Journal of Chemistry</i> , 2020, 44, 14299-14305.	1.4	16
744	Inhalation Exposure to Gaseous and Particulate Bound Mercury Present in the Ambient Air over the Polluted Area of Southern Poland. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4999.	1.2	4
745	Magnetic Fe <sub>3</sub> O <sub>4</sub> -Ag <sub>2</sub> O Nanocomposites for Effective Mercury Removal from Water. <i>Sustainability</i> , 2020, 12, 5489.	1.6	16
746	A Collaborative Training Program to Assess Mercury Pollution from Gold Shops in Guyana's Artisanal and Small-Scale Gold Mining Sector. <i>Atmosphere</i> , 2020, 11, 719.	1.0	5
747	Effects of Non-native Fish on Lacustrine Food Web Structure and Mercury Biomagnification along a Dissolved Organic Carbon Gradient. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2196-2207.	2.2	4
748	Consistency and uncertainty of UK measurements of mercury in precipitation. <i>Chemosphere</i> , 2020, 258, 127330.	4.2	0
749	Isotopic Characterization of Atmospheric Gaseous Elemental Mercury by Passive Air Sampling. <i>Environmental Science &amp; Technology</i> , 2020, 54, 10533-10543.	4.6	24
750	Electrochemical removal of gaseous elemental mercury in liquid phase with a novel foam titanium-based DSA anode. <i>Separation and Purification Technology</i> , 2020, 250, 117162.	3.9	21
751	Mercury Toxicity in Public Health. , 0, , .		7
752	Continuous Generation of HgCl <sub>2</sub> by DBD Nonthermal Plasma. Part I: Influences of the DBD Reactor Structure and Operational Parameters. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 13396-13405.	1.8	9
753	Blackfly Larvae ( <i>Simulium</i> spp.) Can Intensify Methylmercury Biomagnification in Boreal Food Webs. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	3

#	ARTICLE	IF	CITATIONS
754	How will air quality effects on human health, crops and ecosystems change in the future?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190330.	1.6	15
755	The Grain for Green Project May Enrich the Mercury Concentration in a Small Karst Catchment, Southwest China. Land, 2020, 9, 354.	1.2	4
756	Exposure of zebrafish to environmentally relevant concentrations of mercury during early life stages impairs subsequent reproduction in adults but can be recovered in offspring. Aquatic Toxicology, 2020, 229, 105655.	1.9	9
758	Porous silica and polymer monolith architectures as solid-state optical chemosensors for Hg <sup>2+</sup> ions. Analytical and Bioanalytical Chemistry, 2020, 412, 7357-7370.	1.9	16
759	BrHgO <sup>+</sup> + CO: Analogue of OH + CO and Reduction Path for Hg(II) in the Atmosphere. ACS Earth and Space Chemistry, 2020, 4, 1777-1784.	1.2	16
760	Novel Insights into Mercury Effects on Hemoglobin and Membrane Proteins in Human Erythrocytes. Molecules, 2020, 25, 3278.	1.7	18
761	System Dynamics Modelling of the Global Extraction, Supply, Price, Reserves, Resources and Environmental Losses of Mercury. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	7
762	Sulfur-Decorated Hyper-Cross-Linked Coal Tar: A Microporous Organic Polymer for Efficient and Expendious Mercury Removal. ACS Applied Materials & Interfaces, 2020, 12, 44117-44124.	4.0	19
763	Colorimetric detection of Hg <sup>2+</sup> with an azulene-containing chemodosimeter via dithioacetal hydrolysis. Analyst, The, 2020, 145, 6262-6269.	1.7	21
764	Green Graphene-Chitosan Sorbent Materials for Mercury Water Remediation. Nanomaterials, 2020, 10, 1474.	1.9	18
765	Dissolved Black Carbon Facilitates Photoreduction of Hg(II) to Hg(0) and Reduces Mercury Uptake by Lettuce ( <i>Lactuca sativa</i> L.). Environmental Science & Technology, 2020, 54, 11137-11145.	4.6	46
766	Measurement of Atmospheric Mercury over Volcanic and Fumarolic Regions on the North Island of New Zealand Using Passive Air Samplers. ACS Earth and Space Chemistry, 2020, 4, 2435-2443.	1.2	12
767	Exploring Broad Molecular Derivatization as Tool in Selective Fluorescent Detection of Mercury(II) by a Series of Large Stokes Shift 1,4-Bis(5-phenyl-1H-imidazol-4-yl)benzenes. Industrial & Engineering Chemistry Research, 2020, 59, 22398-22412.	1.8	1
768	Spatial Distribution and Biomonitoring of Atmospheric Mercury Concentrations over a Contaminated Coastal Lagoon (Northern Adriatic, Italy). Atmosphere, 2020, 11, 1280.	1.0	11
769	Managing native and non-native sea lamprey ( <i>Petromyzon marinus</i> ) through anthropogenic change: A prospective assessment of key threats and uncertainties. Journal of Great Lakes Research, 2021, 47, S704-S722.	0.8	17
770	Improvements to the Accuracy of Atmospheric Oxidized Mercury Measurements. Environmental Science & Technology, 2020, 54, 13379-13388.	4.6	19
771	Spatially Explicit Global Hotspots Driving China's Mercury Related Health Impacts. Environmental Science & Technology, 2020, 54, 14547-14557.	4.6	19
772	Establishment of High-Resolution Atmospheric Mercury Emission Inventories for Chinese Cement Plants Based on the Mass Balance Method. Environmental Science & Technology, 2020, 54, 13399-13408.	4.6	22

#	ARTICLE	IF	CITATIONS
773	Characteristics and Performances of a Nanostructured Material for Passive Samplers of Gaseous Hg. Sensors, 2020, 20, 6021.	2.1	3
774	A New Low-Cost and Reliable Method to Evaluate the Release of Hg <sup>0</sup> from Synthetic Materials. Processes, 2020, 8, 1282.	1.3	3
775	Potential ecological risks of mercury contamination along communities area in tonasa cement industry Pangkep, Indonesia. EnfermerÃa ClÃnica, 2020, 30, 119-122.	0.1	22
776	Quantification of total mercury in samples from cement production processing with thermal decomposition coupled with AAS. Accreditation and Quality Assurance, 2020, 25, 233-242.	0.4	3
777	Methylmercury Levels in Commercially Harvested Spiny Dogfish Captured off the Coast of Massachusetts. Transactions of the American Fisheries Society, 2020, 149, 486-497.	0.6	0
778	Mercury Emissions, Atmospheric Concentrations, and Wet Deposition across the Conterminous United States: Changes over 20 Years of Monitoring. Environmental Science and Technology Letters, 2020, 7, 376-381.	3.9	20
779	Feed and Water Management May Influence the Heavy Metal Contamination in Domestic Ducks from Central Java, Indonesia. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	1
780	Mercury concentration and fatty acid composition in muscle tissue of marine fish species harvested from Liaodong Gulf: An intelligence quotient and coronary heart disease risk assessment. Science of the Total Environment, 2020, 726, 138586.	3.9	6
781	Mercury variation and export in trans-Himalayan rivers: Insights from field observations in the Koshi River. Science of the Total Environment, 2020, 738, 139836.	3.9	12
782	Ruthenium-loaded cerium dioxide nanocomposites with rich oxygen vacancies promoted the highly sensitive electrochemical detection of Hg(II). Sensors and Actuators B: Chemical, 2020, 320, 128355.	4.0	40
783	Determination of the Low Hg Accumulation in Rabbitfish (<i>Siganus canaliculatus</i>) by Various Elimination Pathways: Simulation by a Physiologically Based Pharmacokinetic Model. Environmental Science & Technology, 2020, 54, 7440-7449.	4.6	4
785	Total gaseous mercury in a coastal city (Qingdao, China): Influence of sea-land breeze and regional transport. Atmospheric Environment, 2020, 235, 117633.	1.9	16
786	Differential susceptibility of PC12 and BRL cells and the regulatory role of HIF-1 $\pm$ signaling pathway in response to acute methylmercury exposure under normoxia. Toxicology Letters, 2020, 331, 82-91.	0.4	7
787	Methylmercury Bioaccumulation in Deepest Ocean Fauna: Implications for Ocean Mercury Biotransport through Food Webs. Environmental Science and Technology Letters, 2020, 7, 469-476.	3.9	23
788	Litterfall Hg deposition to an oak forest soil from southwestern Europe. Journal of Environmental Management, 2020, 269, 110858.	3.8	10
789	Mercury concentrations in store-bought shrimp. Food Science and Nutrition, 2020, 8, 3731-3737.	1.5	3
790	Two years measurement of speciated atmospheric mercury in a typical area of the north coast of China: Sources, temporal variations, and influence of regional and long-range transport. Atmospheric Environment, 2020, 228, 117235.	1.9	16
791	Influences of high-level atmospheric gaseous elemental mercury on methylmercury accumulation in maize ( <i>Zea mays</i> L.). Environmental Pollution, 2020, 265, 114890.	3.7	11

#	ARTICLE	IF	CITATIONS
792	Total mercury and methylmercury in rice: Exposure and health implications in Bangladesh. <i>Environmental Pollution</i> , 2020, 265, 114991.	3.7	21
793	The impact of lime additions on mercury dynamics in stream chemistry and macroinvertebrates: a comparison of watershed and direct stream addition management strategies. <i>Ecotoxicology</i> , 2020, 29, 1627-1643.	1.1	1
794	NanoTiO <sub>2</sub> materials mitigate mercury uptake and effects on green alga <i>Chlamydomonas reinhardtii</i> in mixture exposure. <i>Aquatic Toxicology</i> , 2020, 224, 105502.	1.9	7
795	Occurrence of Mercurous [Hg(I)] Species in Environmental Solid Matrices as Probed by Mild 2-Mercaptoethanol Extraction and HPLC-ICP-MS Analysis. <i>Environmental Science and Technology Letters</i> , 2020, 7, 482-488.	3.9	15
796	From Monodisciplinary via Multidisciplinary to an Interdisciplinary Approach Investigating Air-Sea Interactions – a SOLAS Initiative. <i>Coastal Management</i> , 2020, 48, 238-256.	1.0	2
797	Atmospheric mercury in an eastern Chinese metropolis (Jinan). <i>Ecotoxicology and Environmental Safety</i> , 2020, 196, 110541.	2.9	9
798	Disposable Faraday cage-type aptasensor for ultrasensitive determination of sub-picomolar Hg(II) via fast scan voltammetry. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128349.	4.0	12
799	Mercury Exposure Assessment in Mother-Infant Pairs from Continental and Coastal Croatia. <i>Biomolecules</i> , 2020, 10, 821.	1.8	12
800	HONEYCOMB-LIKE MESOPOROUS g-C <sub>3</sub> N <sub>4</sub> FOR ELEMENTAL MERCURY REMOVAL FROM SIMULATED FLUE GAS. <i>Surface Review and Letters</i> , 2020, 27, 2050017.	0.5	8
801	Effects of Extracellular Polymeric Substances on the Formation and Methylation of Mercury Sulfide Nanoparticles. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8061-8071.	4.6	28
802	New Approaches to Understand Mercury in Trees: Radial and Longitudinal Patterns of Mercury in Tree Rings and Genetic Control of Mercury in Maple Sap. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	13
803	HR3DHG version 1: modeling the spatiotemporal dynamics of mercury in the Augusta Bay (southern) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	6
804	Chemical composition and inÂvitro aryl hydrocarbon receptor-mediated activity of atmospheric particulate matter at an urban, agricultural and industrial site in North Africa (Bizerte, Tunisia). <i>Chemosphere</i> , 2020, 258, 127312.	4.2	9
805	Concurrently Measured Concentrations of Atmospheric Mercury in Indoor (household) and Outdoor Air of Basel, Switzerland. <i>Environmental Science and Technology Letters</i> , 2020, 7, 234-239.	3.9	13
806	Is oxidation of atmospheric mercury controlled by different mechanisms in the polluted continental boundary layer vs. remote marine boundary layer?. <i>Environmental Research Letters</i> , 2020, 15, 064026.	2.2	5
807	Materials in surface-enhanced Raman spectroscopy-based detection of inorganic water pollutants. , 2020, , 153-172.		4
808	Watershed influences on mercury in tributaries to Lake Ontario. <i>Ecotoxicology</i> , 2020, 29, 1614-1626.	1.1	8
809	Monitoring chemical contaminants in the Gulf of Maine, using sediments and mussels ( <i>Mytilus edulis</i> ): An evaluation. <i>Marine Pollution Bulletin</i> , 2020, 153, 110956.	2.3	6

#	ARTICLE	IF	CITATIONS
810	Formation and mobilization of methylmercury across natural and experimental sulfur deposition gradients. <i>Environmental Pollution</i> , 2020, 263, 114398.	3.7	16
811	Removal of Gaseous Elemental Mercury in a Diffusion Electrochemical Reactor Based on a Three-Dimensional Electrode. <i>ACS Omega</i> , 2020, 5, 6903-6910.	1.6	6
812	Mercury exposure in songbird communities along an elevational gradient on Whiteface Mountain, Adirondack Park (New York, USA). <i>Ecotoxicology</i> , 2020, 29, 1830-1842.	1.1	8
813	Tolerance Capacity of <i>Chlamydomonas</i> VHLR Mutants for the Toxicity of Mercury. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	1
814	Influence of size on total mercury (THg), methyl mercury (MeHg), and stable isotopes of N and C in green turtles ( <i>Chelonia mydas</i> ) from NE Brazil. <i>Environmental Science and Pollution Research</i> , 2020, 27, 20527-20537.	2.7	12
815	Mercury exposure in songbird communities within Sphagnum bog and upland forest ecosystems in the Adirondack Park (New York, USA). <i>Ecotoxicology</i> , 2020, 29, 1815-1829.	1.1	6
816	Meteorological phenomenon as a key factor controlling variability of labile particulate mercury in rivers and its inflow into coastal zone of the sea. <i>Environmental Research</i> , 2020, 184, 109355.	3.7	5
817	Photochemical behaviors of mercury (Hg) species in aquatic systems: A systematic review on reaction process, mechanism, and influencing factor. <i>Science of the Total Environment</i> , 2020, 720, 137540.	3.9	50
818	Low Doses of Methylmercury Induce the Proliferation of Thyroid Cells In Vitro Through Modulation of ERK Pathway. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1556.	1.8	11
819	Mercury in Soil and Forage Plants from Artisanal and Small-Scale Gold Mining in the Bombana Area, Indonesia. <i>Toxics</i> , 2020, 8, 15.	1.6	14
820	Relationships between mercury burden, sex, and sexually selected feather ornaments in crested auklet ( <i>Aethia cristatella</i> ). <i>Environmental Science and Pollution Research</i> , 2020, 27, 16640-16645.	2.7	0
821	Impact of low-level mercury exposure on intelligence quotient in children via rice consumption. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110870.	2.9	21
822	Trophic Magnification of Legacy (PCB, DDT and Hg) and Emerging Pollutants (PFAS) in the Fish Community of a Small Protected Southern Alpine Lake (Lake Mergozzo, Northern Italy). <i>Water (Switzerland)</i> , 2020, 12, 1591.	1.2	27
823	Spatial profiles of perfluoroalkyl substances and mercury in fish from northern Lake Victoria, East Africa. <i>Chemosphere</i> , 2020, 260, 127536.	4.2	18
824	A National-Scale Assessment of Mercury Bioaccumulation in United States National Parks Using Dragonfly Larvae As Biosentinels through a Citizen-Science Framework. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8779-8790.	4.6	27
825	Do Two Wrongs Make a Right? Persistent Uncertainties Regarding Environmental Selenium–Mercury Interactions. <i>Environmental Science &amp; Technology</i> , 2020, 54, 9228-9234.	4.6	37
826	Total mercury levels in the muscle and liver of livestock and game animals in Poland, 2009–2018. <i>Chemosphere</i> , 2020, 258, 127311.	4.2	20
827	Grand Challenge for Frontiers in Environmental Chemistry—Inorganic Pollutants. <i>Frontiers in Environmental Chemistry</i> , 2020, 1, .	0.7	1

#	ARTICLE	IF	CITATIONS
828	Century-old mercury pollution: Evaluating the impacts on local fish from the eastern United States. <i>Chemosphere</i> , 2020, 259, 127484.	4.2	9
829	Total and Methylmercury of Suaeda heteroptera Wetland Soil Response to a Salinity Gradient Under Wetting and Drying Conditions. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 778-785.	1.3	3
830	A Continental and Marine-Influenced Tree-Ring Mercury Record in the Old Crow Flats, Yukon, Canada. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1281-1290.	1.2	8
831	Isotopic tracing of mercury sources in estuarine-inner shelf sediments of the East China Sea. <i>Environmental Pollution</i> , 2020, 262, 114356.	3.7	15
832	Seafood, wine, rice, vegetables, and other food items associated with mercury biomarkers among seafood and non-seafood consumers: NHANES 2011-2012. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020, 30, 504-514.	1.8	18
833	Understanding mercury methylation in the changing environment: Recent advances in assessing microbial methylators and mercury bioavailability. <i>Science of the Total Environment</i> , 2020, 714, 136827.	3.9	69
834	Investigation on the behavior of mercury across the flue gas treatment of coal combustion power plants using a lab-scale firing system. <i>Fuel Processing Technology</i> , 2020, 201, 106340.	3.7	25
835	F108 stabilized CuO nanoparticles for highly selective and sensitive determination of mercury using resonance Rayleigh scattering spectroscopy. <i>Analytical Methods</i> , 2020, 12, 1631-1638.	1.3	8
836	Hematological parameters and hair mercury levels in adolescents from the Colombian Caribbean. <i>Environmental Science and Pollution Research</i> , 2020, 27, 14216-14227.	2.7	15
837	Recovery of grape waste for the preparation of adsorbents for water treatment: Mercury removal. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103738.	3.3	17
838	Diffuse emission and transport of gaseous elemental mercury (GEM) in the Mapamylum geothermal system, Western Tibet (China). <i>Journal of Volcanology and Geothermal Research</i> , 2020, 397, 106825.	0.8	4
839	Mechanistic investigation of mercury removal by unmodified and Fe-modified biochars based on synchrotron-based methods. <i>Science of the Total Environment</i> , 2020, 719, 137435.	3.9	22
840	Feather mercury increases with feeding at higher trophic levels in two species of migrant raptors, Merlin ( <i>Falco columbarius</i> ) and Sharp-shinned Hawk ( <i>Accipiter striatus</i> ). <i>Condor</i> , 2020, 122, .	0.7	9
841	Ecosystem-Scale Modeling and Field Observations of Sulfate and Methylmercury Distributions in the Florida Everglades: Responses to Reductions in Sulfate Loading. <i>Aquatic Geochemistry</i> , 2020, 26, 191-220.	1.5	2
842	The potential wildfire effects on mercury remobilization from topsoils and biomass in a smelter-polluted semi-arid area. <i>Chemosphere</i> , 2020, 247, 125972.	4.2	7
843	Patterns of Trace Element Accumulation in Waterfowl Restricted to Impoundments Holding Coal Combustion Waste. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1052-1059.	2.2	8
844	Development of a novel composite resin for dissolved divalent mercury measurement using diffusive gradients in thin films. <i>Chemosphere</i> , 2020, 251, 126231.	4.2	10
845	Methyl mercury concentrations in seafood collected from Zhoushan Islands, Zhejiang, China, and their potential health risk for the fishing community. <i>Environment International</i> , 2020, 137, 105420.	4.8	22

#	ARTICLE	IF	CITATIONS
846	Subtropical Forests Act as Mercury Sinks but as Net Sources of Gaseous Elemental Mercury in South China. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2772-2779.	4.6	17
847	A novel hybrid nanoadsorbent for effective Hg <sup>2+</sup> adsorption based on zeolitic imidazolate framework (ZIF-90) assembled onto poly acrylic acid capped Fe <sub>3</sub> O <sub>4</sub> nanoparticles and cysteine. <i>Journal of Hazardous Materials</i> , 2020, 392, 122288.	6.5	36
848	Patterns and trends of fish mercury in New York State. <i>Ecotoxicology</i> , 2020, 29, 1709-1720.	1.1	8
849	Fe, Rather Than Soil Organic Matter, as a Controlling Factor of Hg Distribution in Subsurface Forest Soil in an Iron Mining Area. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 359.	1.2	5
850	Occurrence and risk assessment of total mercury and methylmercury in surface seawater and sediments from the Jiaozhou Bay, Yellow Sea. <i>Science of the Total Environment</i> , 2020, 714, 136539.	3.9	20
851	The way of microplastic through the environment – Application of the source-pathway-receptor model (review). <i>Science of the Total Environment</i> , 2020, 713, 136584.	3.9	158
852	Mercury isotope compositions in large anthropogenically impacted Pearl River, South China. <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 110229.	2.9	18
853	Adsorptive removal of heavy metal ions using graphene-based nanomaterials: Toxicity, roles of functional groups and mechanisms. <i>Chemosphere</i> , 2020, 248, 126008.	4.2	261
854	Mercury in fish marketed in the Amazon Triple Frontier and Health Risk Assessment. <i>Chemosphere</i> , 2020, 248, 125989.	4.2	31
855	Elevated mercury concentrations in biota despite reduced sediment concentrations in a contaminated coastal area, HarboÅre Tange, Denmark. <i>Environmental Pollution</i> , 2020, 260, 113985.	3.7	7
856	Modelling Hg mobility in podzols: Role of soil components and environmental implications. <i>Environmental Pollution</i> , 2020, 260, 114040.	3.7	17
857	Mercury and selenium concentrations in fishes of the Upper Colorado River Basin, southwestern United States: A retrospective assessment. <i>PLoS ONE</i> , 2020, 15, e0226824.	1.1	11
859	Eddy covariance flux measurements of gaseous elemental mercury over a grassland. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2057-2074.	1.2	9
860	Mercury dynamics in the pore water of peat columns during experimental freezing and thawing. <i>Journal of Environmental Quality</i> , 2020, 49, 404-416.	1.0	3
861	Determination of (Bio)-available mercury in soils: A review. <i>Environmental Pollution</i> , 2020, 263, 114323.	3.7	28
862	Mercury bioaccumulation in freshwater fishes of the Chesapeake Bay watershed. <i>Ecotoxicology</i> , 2020, 29, 459-484.	1.1	9
863	Simulation of atmospheric mercury dispersion and deposition in Tehran city. <i>Air Quality, Atmosphere and Health</i> , 2020, 13, 529-541.	1.5	4
864	Evaluating the concentrations of total mercury, methylmercury, selenium, and selenium:mercury molar ratios in traditional foods of the Bigstone Cree in Alberta, Canada. <i>Chemosphere</i> , 2020, 250, 126285.	4.2	17



#	ARTICLE	IF	CITATIONS
865	Trophic resources and mercury exposure of two silvertip shark populations in the Northeast Pacific Ocean. <i>Chemosphere</i> , 2020, 253, 126645.	4.2	12
866	The bioremediation potentials and mercury(II)-resistant mechanisms of a novel fungus <i>Penicillium</i> spp. DC-F11 isolated from contaminated soil. <i>Journal of Hazardous Materials</i> , 2020, 396, 122638.	6.5	35
867	Spatial distribution of heavy metals in the West Dongting Lake floodplain, China. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1256-1265.	1.7	14
868	On-line microplasma decomposition of gaseous phase interference for solid sampling mercury analysis in aquatic food samples. <i>Analytica Chimica Acta</i> , 2020, 1121, 42-49.	2.6	11
869	Relating trophic ecology and Hg species contamination in a resident opportunistic seabird of the Bay of Biscay. <i>Environmental Research</i> , 2020, 186, 109526.	3.7	1
870	Permafrost Thaw Dominates Mercury Emission in Tibetan Thermokarst Ponds. <i>Environmental Science &amp; Technology</i> , 2020, 54, 5456-5466.	4.6	16
871	Adsorptive removal of Hg <sup>2+</sup> from environmental water samples using thioglycerol-intercalated magnetic layered double hydroxides. <i>Analytical Methods</i> , 2020, 12, 2279-2286.	1.3	8
872	Mercury isotope signatures of a pre-calciner cement plant in Southwest China. <i>Journal of Hazardous Materials</i> , 2021, 401, 123384.	6.5	14
873	Mercury biogeochemistry over the Tibetan Plateau: An overview. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 577-602.	6.6	18
874	Migration characteristics and potential determinants of mercury in long-term decomposing litterfall of two subtropical forests. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111402.	2.9	3
875	Effects of hypolimnetic oxygenation on fish tissue mercury in reservoirs near the new Almaden Mining District, California, USA. <i>Environmental Pollution</i> , 2021, 268, 115759.	3.7	7
876	Mercury exposure in mammalian mesopredators inhabiting a brackish marsh. <i>Environmental Pollution</i> , 2021, 273, 115808.	3.7	7
877	Ultrafine Au nanoparticles confined in three-dimensional mesopores of MCM-48 for efficient and regenerable Hg <sup>0</sup> removal sorbent in H <sub>2</sub> S and H <sub>2</sub> O containing natural gas. <i>Fuel</i> , 2021, 286, 119479.	3.4	17
878	Spatial patterns of the exposure-response relationship between mercury and cortisol in the fur of river otter ( <i>Lontra canadensis</i> ). <i>Chemosphere</i> , 2021, 263, 127992.	4.2	2
879	Mercury bioaccumulation in stream fish from an agriculturally-dominated watershed. <i>Chemosphere</i> , 2021, 262, 128059.	4.2	17
880	<i>Rhamphotheca</i> as a useful indicator of mercury in seabirds. <i>Science of the Total Environment</i> , 2021, 754, 141730.	3.9	8
881	Soil-atmosphere exchange of gaseous elemental mercury in three subtropical forests with different substrate Hg concentrations. <i>Atmospheric Environment</i> , 2021, 244, 117869.	1.9	3
882	Transcriptomic analyses reveal the pathways associated with the volatilization and resistance of mercury(II) in the fungus <i>Lecytophora</i> sp. DC-F1. <i>Science of the Total Environment</i> , 2021, 752, 142172.	3.9	10

#	ARTICLE	IF	CITATIONS
883	Status and environmental management of soil mercury pollution in China: A review. <i>Journal of Environmental Management</i> , 2021, 277, 111442.	3.8	92
884	Reduction of mercury emissions from anthropogenic sources including coal combustion. <i>Journal of Environmental Sciences</i> , 2021, 100, 363-368.	3.2	11
885	Cysteine modified silver nanoparticles based colorimetric sensing for the sensitive determination of Hg <sup>2+</sup> in aqueous solutions. <i>Luminescence</i> , 2021, 36, 698-704.	1.5	7
886	Isotopic composition of total gaseous mercury at a high-altitude tropical forest site influenced by air masses from the East Asia continent and the Pacific Ocean. <i>Atmospheric Environment</i> , 2021, 246, 118110.	1.9	11
887	Mercury exposure, cardiovascular disease, and mortality: A systematic review and dose-response meta-analysis. <i>Environmental Research</i> , 2021, 193, 110538.	3.7	79
888	Potential sources, scavenging processes, and source regions of mercury in the wet deposition of South Korea. <i>Science of the Total Environment</i> , 2021, 762, 143934.	3.9	10
889	Atmospheric mercury pollution caused by fluorescent lamp manufacturing and the associated human health risk in a large industrial and commercial city. <i>Environmental Pollution</i> , 2021, 269, 116146.	3.7	9
890	The direct and indirect effects of copper on vector-borne disease dynamics. <i>Environmental Pollution</i> , 2021, 269, 116213.	3.7	17
891	Trophic and fitness correlates of mercury and organochlorine compound residues in egg-laying Antarctic petrels. <i>Environmental Research</i> , 2021, 193, 110518.	3.7	14
892	Global distribution and environmental drivers of methylmercury production in sediments. <i>Journal of Hazardous Materials</i> , 2021, 407, 124700.	6.5	18
893	A potential route for photolytic reduction of HgCl <sub>2</sub> and HgBr <sub>2</sub> in dry air and analysis about the impacts from Ozone. <i>Atmospheric Research</i> , 2021, 249, 105310.	1.8	4
894	Contamination, exposure and risk assessment of mercury in the soils of an artisanal gold mining community in Ghana. <i>Chemosphere</i> , 2021, 267, 128910.	4.2	40
895	Mercury consumption and human health: Linking pollution and social risk perception in the southeastern United States. <i>Journal of Environmental Management</i> , 2021, 282, 111528.	3.8	18
896	Alteration of plant physiology by the application of biochar for remediation of metals. , 2021, , 245-262.		1
897	Water temperature modulates mercury accumulation and oxidative stress status of common goby ( <i>Pomatoschistus microps</i> ). <i>Environmental Research</i> , 2021, 193, 110585.	3.7	12
898	Possible application of stable isotope compositions for the identification of metal sources in soil. <i>Journal of Hazardous Materials</i> , 2021, 407, 124812.	6.5	69
899	Contrasting tree ring Hg records in two conifer species: Multi-site evidence of species-specific radial translocation effects in Scots pine versus European larch. <i>Science of the Total Environment</i> , 2021, 762, 144022.	3.9	16
900	250-year records of mercury and trace element deposition in two lakes from Cajas National Park, SW Ecuadorian Andes. <i>Environmental Science and Pollution Research</i> , 2021, 28, 16227-16243.	2.7	7

#	ARTICLE	IF	CITATIONS
901	Isotope exchange between mercuric [Hg(II)] chloride and Hg(II) bound to minerals and thiolate ligands: Implications for enriched isotope tracer studies. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 292, 468-481.	1.6	17
902	Soil properties influencing Hg vertical pattern in temperate forest podzols. <i>Environmental Research</i> , 2021, 193, 110552.	3.7	5
903	Comparison of Primary Laser Spectroscopy and Mass Spectrometry Methods for Measuring Mass Concentration of Gaseous Elemental Mercury. <i>Analytical Chemistry</i> , 2021, 93, 1050-1058.	3.2	10
904	A comparison of two bidirectional air-surface exchange models for gaseous elemental mercury over vegetated surfaces. <i>Atmospheric Environment</i> , 2021, 246, 118096.	1.9	0
905	Fifty years of volcanic mercury emission research: Knowledge gaps and future directions. <i>Science of the Total Environment</i> , 2021, 757, 143800.	3.9	45
906	Geochemical markers of the Anthropocene: Perspectives from temporal trends in pollutants. <i>Science of the Total Environment</i> , 2021, 763, 142987.	3.9	17
907	Comparison of reactive gaseous mercury measured by KCl-coated denuders and cation exchange membranes during the Pacific GEOTRACES GP15 expedition. <i>Atmospheric Environment</i> , 2021, 244, 117973.	1.9	5
908	Methylmercury biomagnification in aquatic food webs of Poyang Lake, China: Insights from amino acid signatures. <i>Journal of Hazardous Materials</i> , 2021, 404, 123700.	6.5	22
909	Groundwater quality evaluation using Shannon information theory and human health risk assessment in Yazd province, central plateau of Iran. <i>Environmental Science and Pollution Research</i> , 2021, 28, 1108-1130.	2.7	72
910	Environmental burden of unprocessed solid waste handling in Enugu State, Nigeria. <i>Environmental Science and Pollution Research</i> , 2021, 28, 19439-19457.	2.7	14
911	Mercury in neonatal and juvenile blacktip sharks ( <i>Carcharhinus limbatus</i> ). Part II: Effects assessment. <i>Ecotoxicology</i> , 2021, 30, 311-322.	1.1	3
912	Health Effects of Exposure to Specific Geologic Materials: Summary of Clinical Findings, Treatment, and Prevention. , 2021, , 525-563.		1
913	Selective detection of mercury ions based on tin oxide quantum dots: performance and fluorescence enhancement model. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8274-8284.	2.7	12
914	Sulfur-containing nitrogen-rich robust hierarchically porous organic polymer for adsorptive removal of mercury: experimental and theoretical insights. <i>Environmental Science: Nano</i> , 2021, 8, 2641-2649.	2.2	15
915	Extraction of ultratrace dissolved gaseous mercury and reactive mercury in natural freshwater for stable isotope analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 1921-1932.	1.6	3
916	Atmospheric Mercury Monitoring, Analysis, and Chemistry: New Insights and Progress toward Minamata Convention Goals. <i>Atmosphere</i> , 2021, 12, 166.	1.0	0
917	A Quantitative Assessment and Biomagnification of Mercury and Its Associated Health Risks from Fish Consumption in Freshwater Lakes of Azad Kashmir, Pakistan. <i>Biological Trace Element Research</i> , 2021, 199, 3510-3526.	1.9	3
918	Influence of atmospheric deposition on surface water quality and DBP formation potential as well as control technology of rainwater DBPs: a review. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 2156-2165.	1.2	1

#	ARTICLE	IF	CITATIONS
919	Time to refine mercury mass balance models for fish. <i>Facets</i> , 2021, 6, 272-286.	1.1	9
920	Ultrasensitive fluorometric biosensor based on Ti <sub>3</sub> C <sub>2</sub> MXenes with Hg <sup>2+</sup> -triggered exonuclease III-assisted recycling amplification. <i>Analyst</i> , 2021, 146, 2664-2669.	1.7	55
921	An Assessment of Heavy Metals Pollution in the Waters and Sediments of Lake Maninjau, Indonesia. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1041, 012031.	0.3	1
922	Histopathological Changes in the Gills of <i>Oreochromis mossambicus</i> Exposed to Mercury Chloride (HgCl <sub>2</sub> ). , 0, , .		0
923	Heavy Metals in the Marine Environment—An Overview. <i>SpringerBriefs in Earth Sciences</i> , 2021, , 1-26.	0.5	9
924	Separation of methylmercury from biological samples for stable isotopic analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2415-2422.	1.6	6
925	Air Concentrations of Gaseous Elemental Mercury and Vegetation—Air Fluxes within Saltmarshes of the Tagus Estuary, Portugal. <i>Atmosphere</i> , 2021, 12, 228.	1.0	3
926	Short-Term Legacy Effects of Mercury Contamination on Plant Growth and nifH-Harboring Microbial Community in Rice Paddy Soil. <i>Microbial Ecology</i> , 2021, 82, 932-941.	1.4	4
927	Isotope signatures of atmospheric mercury emitted from residential coal combustion. <i>Atmospheric Environment</i> , 2021, 246, 118175.	1.9	6
928	A Simple Method for Developing a Hand-Drawn Paper-Based Sensor for Mercury; Using Green Synthesized Silver Nanoparticles and Smartphone as a Hand-Held Device for Colorimetric Assay. <i>Global Challenges</i> , 2021, 5, 2000099.	1.8	12
929	Environmental Partitioning, Spatial Distribution, and Transport of Atmospheric Mercury (Hg) Originating from a Site of Former Chlor-Alkali Plant. <i>Atmosphere</i> , 2021, 12, 275.	1.0	6
930	Quantifying the impacts of anthropogenic and natural perturbations on gaseous elemental mercury (GEM) at a suburban site in eastern China using generalized additive models. <i>Atmospheric Environment</i> , 2021, 247, 118181.	1.9	10
931	Metabolomic Responses of Green Alga <i>Chlamydomonas reinhardtii</i> Exposed to Sublethal Concentrations of Inorganic and Methylmercury. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3876-3887.	4.6	46
932	Use of mercury isotopes to quantify sources of human inorganic mercury exposure and metabolic processes in the human body. <i>Environment International</i> , 2021, 147, 106336.	4.8	13
934	Heavy metals biosorption mechanism of partially delignified products derived from mango ( <i>Mangifera</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 T 32891-32904.	2.7	7
935	Screen-Printed Gold Electrodes as Passive Samplers and Voltammetric Platforms for the Determination of Gaseous Elemental Mercury. <i>Analytical Chemistry</i> , 2021, 93, 3122-3129.	3.2	2
936	Selective Hg <sup>2+</sup> sensor: rGO-blended PEDOT:PSS—conducting polymer OFET. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	22
937	Soil and ambient air mercury as an indicator of coal-fired power plant emissions: a case study in North China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 33146-33157.	2.7	3

#	ARTICLE	IF	CITATIONS
938	Extremely Elevated Total Mercury and Methylmercury in Forage Plants in a Large-Scale Abandoned Hg Mining Site: A Potential Risk of Exposure to Grazing Animals. Archives of Environmental Contamination and Toxicology, 2021, 80, 519-530.	2.1	4
939	Copper nanoparticles-catalysed reduction of methylene blue and high-sensitive chemiluminescence detection of mercury. International Journal of Environmental Analytical Chemistry, 0, , 1-17.	1.8	4
940	Soil mercury pollution caused by typical anthropogenic sources in China: Evidence from stable mercury isotope measurement and receptor model analysis. Journal of Cleaner Production, 2021, 288, 125687.	4.6	29
941	Applying the diffusive gradient in thin films method to assess soil mercury bioavailability to the earthworm Eisenia fetida. Environmental Science and Pollution Research, 2021, 28, 39840-39852.	2.7	5
942	Drivers of variability in mercury and methylmercury bioaccumulation and biomagnification in temperate freshwater lakes. Chemosphere, 2021, 267, 128890.	4.2	19
943	Heavy Metal Assessment in Feathers of Eurasian Magpies (Pica pica): A Possible Strategy for Monitoring Environmental Contamination?. International Journal of Environmental Research and Public Health, 2021, 18, 2973.	1.2	5
944	From Past Use to Present Effects: Total Mercury in Crustaceans and Fish in the Inner Estuary of Para�ba do Sul River, Southeast Brazil. Bulletin of Environmental Contamination and Toxicology, 2021, 107, 124-130.	1.3	3
945	Mercury in the tissues of five cephalopods species: First data on the nervous system. Science of the Total Environment, 2021, 759, 143907.	3.9	9
946	Review�Metal Organic Framework Based Nanomaterials for Electrochemical Sensing of Toxic Heavy Metal Ions: Progress and Their Prospects. Journal of the Electrochemical Society, 2021, 168, 037513.	1.3	55
947	Interannual Variability of Air�Sea Exchange of Mercury in the Global Ocean: The �Seesaw Effect�in the Equatorial Pacific and Contributions to the Atmosphere. Environmental Science & Technology, 2021, 55, 7145-7156.	4.6	10
948	Spatial and temporal trends in mercury levels in the down of black stork chicks in central Europe. Environmental Pollution, 2021, 274, 116571.	3.7	1
949	Persistence, bioaccumulation and vertical transfer of pollutants in long-finned pilot whales stranded in Chilean Patagonia. Science of the Total Environment, 2021, 770, 145259.	3.9	11
950	Temporal and spatial assessment of gaseous elemental mercury concentrations and emissions at contaminated sites using active and passive measurements. Environmental Research Communications, 2021, 3, 051004.	0.9	7
951	Insights into the Mechanism of Elemental Mercury Adsorption on Graphitic Carbon Nitride: A Density Functional Theory Study. Energy & Fuels, 2021, 35, 9322-9331.	2.5	21
952	Mercury and methylmercury in China's lake sediments and first estimation of mercury burial fluxes. Science of the Total Environment, 2021, 770, 145338.	3.9	12
953	Ambient air particulates and Hg(p) concentrations and dry depositions estimations, distributions for various particles sizes ranges. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, 56, 705-712.	0.9	0
954	Mercury sources and physicochemical characteristics in ice, snow, and meltwater of the Laohugou Glacier Basin, China. Environmental Science and Pollution Research, 2021, 28, 51530-51543.	2.7	1
955	The role of intestinal microbiota of the marine fish (Acanthopagrus latus) in mercury biotransformation. Environmental Pollution, 2021, 277, 116768.	3.7	22

#	ARTICLE	IF	CITATIONS
956	How do trophic magnification factors (TMFs) and biomagnification factors (BMFs) perform on toxic pollutant bioaccumulation estimation in coastal and marine food webs. <i>Regional Studies in Marine Science</i> , 2021, 44, 101797.	0.4	6
957	A field intercomparison of three passive air samplers for gaseous mercury in ambient air. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 3657-3672.	1.2	19
958	Monitoring of mercury in the mesopelagic domain of the Pacific and Atlantic oceans using body feathers of Bulwer's petrel as a bioindicator. <i>Science of the Total Environment</i> , 2021, 775, 145796.	3.9	7
959	Induced triploidy reduces mercury bioaccumulation in a piscivorous fish. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 0, , .	0.7	2
960	Abiotic Reduction of Mercury(II) in the Presence of Sulfidic Mineral Suspensions. <i>Frontiers in Environmental Chemistry</i> , 2021, 2, .	0.7	3
961	Regionally representative hair mercury levels in Canadian First Nations adults living on reserves. <i>Canadian Journal of Public Health</i> , 2021, 112, 97-112.	1.1	4
962	Exposure to persistent organic pollutants is linked to over-wintering latitude in a Pacific seabird, the rhinoceros auklet, <i>Cerorhinca monocerata</i> . <i>Environmental Pollution</i> , 2021, 279, 116928.	3.7	8
963	The role of precipitation and soil moisture in enhancing mercury air-surface exchange at a background site in south-eastern Australia. <i>Atmospheric Environment</i> , 2021, 255, 118445.	1.9	3
964	Review of microbial biosensor for the detection of mercury in water. <i>Environmental Quality Management</i> , 2022, 31, 29-40.	1.0	7
965	Assessment of bioaccessibility and health risk of mercury within soil of artisanal gold mine sites, Niger, North-central part of Nigeria. <i>Environmental Geochemistry and Health</i> , 2022, 44, 893-909.	1.8	7
966	Mercury mobility, colloid formation and methylation in a polluted Fluvisol as affected by manure application and floodingâ€œdraining cycle. <i>Biogeosciences</i> , 2021, 18, 3445-3465.	1.3	6
967	Expanded Diversity and Phylogeny of mer Genes Broadens Mercury Resistance Paradigms and Reveals an Origin for MerA Among Thermophilic Archaea. <i>Frontiers in Microbiology</i> , 2021, 12, 682605.	1.5	37
968	Green Synthesized Unmodified Silver Nanoparticles as Reproducible Dual Sensor for Mercuric Ions and Catalyst to Abate Environmental Pollutants. <i>BioNanoScience</i> , 2021, 11, 739-754.	1.5	14
969	Chemical Forms of Mercury in Pilot Whales Determined from Species-Averaged Mercury Isotope Signatures. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1591-1599.	1.2	8
970	A Review of Freshwater Invertebrates as Biomonitors of Methylmercury: the Importance of More Complete Physical and Chemical Reporting. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 801-808.	1.3	6
971	Theoretical Study of the Monohydration of Mercury Compounds of Atmospheric Interest. <i>Journal of Physical Chemistry A</i> , 2021, 125, 5819-5828.	1.1	1
972	Current and historical nephric and hepatic mercury concentrations in terrestrial mammals in Poland and other European countries. <i>Science of the Total Environment</i> , 2021, 775, 145808.	3.9	7
973	Distribution of mercury isotope signatures in Yundang Lagoon, Xiamen, China, after long-term interventions. <i>Chemosphere</i> , 2021, 272, 129716.	4.2	13

#	ARTICLE	IF	CITATIONS
974	An Integrated Investigation of Atmospheric Gaseous Elemental Mercury Transport and Dispersion Around a Chlor-Alkali Plant in the Ossola Valley (Italian Central Alps). <i>Toxics</i> , 2021, 9, 172.	1.6	6
975	Spatial-temporal characteristics of mercury and methylmercury in marine sediment under the combined influences of river input and coastal currents. <i>Chemosphere</i> , 2021, 274, 129728.	4.2	14
976	Characterizing the Low-Dose Effects of Methylmercury on the Early Stages of Embryo Development Using Cultured Human Embryonic Stem Cells. <i>Environmental Health Perspectives</i> , 2021, 129, 77007.	2.8	4
977	Identification of the featured-element in fine road dust of cities with coal contamination by geochemical investigation and isotopic monitoring. <i>Environment International</i> , 2021, 152, 106499.	4.8	19
978	Mass-Independent Fractionation of Even and Odd Mercury Isotopes during Atmospheric Mercury Redox Reactions. <i>Environmental Science &amp; Technology</i> , 2021, 55, 10164-10174.	4.6	51
979	Trace metals and metalloids in Andean flamingos ( <i>Phoenicoparrus andinus</i> ) and Puna flamingos ( <i>P.</i> ) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i> <i>Monitoring and Assessment</i> , 2021, 193, 535.	1.3	3
980	Mercury and Prenatal Growth: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7140.	1.2	22
981	Using Passive Air Samplers to Quantify Vertical Gaseous Elemental Mercury Concentration Gradients Within a Forest and Above Soil. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034981.	1.2	7
982	Real-time in vitro monitoring of the subcellular toxicity of inorganic Hg and methylmercury in zebrafish cells. <i>Aquatic Toxicology</i> , 2021, 236, 105859.	1.9	12
983	Unraveling the Underlying Heavy Metal Detoxification Mechanisms of <i>Bacillus</i> Species. <i>Microorganisms</i> , 2021, 9, 1628.	1.6	55
985	Measurement of mercury with highly selective fluorescent chemoprobe by carbon dots and silver nanoparticles. <i>Chemosphere</i> , 2021, 274, 129959.	4.2	35
986	Species-specific isotope dilution analysis of monomethylmercury in sediment using GC/ICP-ToF-MS and comparison with ICP-Q-MS and ICP-SF-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5279-5289.	1.9	8
987	Previously unaccounted atmospheric mercury deposition in a midlatitude deciduous forest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	42
988	Rivers as the largest source of mercury to coastal oceans worldwide. <i>Nature Geoscience</i> , 2021, 14, 672-677.	5.4	107
989	Risks from mercury in anadromous fish collected from Penobscot River, Maine. <i>Science of the Total Environment</i> , 2021, 781, 146691.	3.9	6
990	Use of biochar to reduce mercury accumulation in <i>Oryza sativa</i> L: A trial for sustainable management of historically polluted farmlands. <i>Environment International</i> , 2021, 153, 106527.	4.8	61
991	Anomalously high enrichment of mercury in early Cambrian black shales in South China. <i>Journal of Asian Earth Sciences</i> , 2021, 216, 104794.	1.0	11
992	Distribution of trace elements in benthic infralittoral organisms from the western Antarctic Peninsula reveals no latitudinal gradient of pollution. <i>Scientific Reports</i> , 2021, 11, 16266.	1.6	8

#	ARTICLE	IF	CITATIONS
993	Elemental mercury capture by graphene-analogous carbon nitride anchored with copper sulfide. <i>Chemical Engineering Journal</i> , 2021, 417, 127931.	6.6	14
994	Chronological Trends and Mercury Bioaccumulation in an Aquatic Semiarid Ecosystem under a Global Climate Change Scenario in the Northeastern Coast of Brazil. <i>Animals</i> , 2021, 11, 2402.	1.0	4
995	The synergy of mercury biosorption through <i>Brevundimonas</i> sp. IITISM22: Kinetics, isotherm, and thermodynamic modeling. <i>Journal of Hazardous Materials</i> , 2021, 415, 125653.	6.5	29
996	Upper Devonian mercury record from North America and its implications for the Frasnian–Famennian mass extinction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 576, 110502.	1.0	12
997	Characteristics of gaseous elemental mercury and its corresponding source contributions to regional transport in Hefei, China. <i>Atmospheric Pollution Research</i> , 2021, 12, 101146.	1.8	6
998	In Utero Exposure to Mercury Is Associated With Increased Susceptibility to Liver Injury and Inflammation in Childhood. <i>Hepatology</i> , 2021, 74, 1546-1559.	3.6	22
999	Biomagnification and trophic transfer of total mercury and methylmercury in a sub-tropical montane forest food web, southwest China. <i>Chemosphere</i> , 2021, 277, 130371.	4.2	25
1000	Recent advances in field-effect transistor sensing strategies for fast and highly efficient analysis of heavy metal ions. <i>Electrochemical Science Advances</i> , 2022, 2, e2100137.	1.2	10
1001	The exacerbation of mercury methylation by <i>Geobacter sulfurreducens</i> PCA in a freshwater algae-bacteria symbiotic system throughout the lifetime of algae. <i>Journal of Hazardous Materials</i> , 2021, 415, 125691.	6.5	11
1002	Isotopic composition of mercury deposited via snow into mid-latitude ecosystems. <i>Science of the Total Environment</i> , 2021, 784, 147252.	3.9	5
1003	Bee venom <i>Apis mellifera lamarckii</i> rescues blood brain barrier damage and neurobehavioral changes induced by methyl mercury via regulating tight junction proteins expression in rat cerebellum. <i>Food and Chemical Toxicology</i> , 2021, 154, 112309.	1.8	7
1004	Rod-Shaped Bi <sub>2</sub> S <sub>3</sub> Supported on Flaky Carbon Nitride for Effective Removal of Elemental Mercury in Flue Gas. <i>Energy &amp; Fuels</i> , 2021, 35, 14634-14646.	2.5	6
1005	Total mercury and methylmercury in human hair and food: Implications for the exposure and health risk to residents in the Three Gorges Reservoir Region, China. <i>Environmental Pollution</i> , 2021, 282, 117041.	3.7	14
1006	Mercury in Barents Sea fish in the Arctic polar night: Species and spatial comparison. <i>Marine Pollution Bulletin</i> , 2021, 169, 112501.	2.3	7
1007	Bioinformatics Investigations of Universal Stress Proteins from Mercury-Methylating Desulfovibrionaceae. <i>Microorganisms</i> , 2021, 9, 1780.	1.6	1
1008	Case study on the application of low-temperature plasma integration technology for the treatment mercury-containing waste gas from the crushing process of waste fluorescent lamps. <i>Journal of Physics: Conference Series</i> , 2021, 2009, 012060.	0.3	0
1009	Interference from Soluble Iron on Mercury Determination in Water by Cold Vapor Atomic Absorption Spectrometry (CV-AAS) with Sodium Borohydride as Reductant. <i>Analytical Sciences</i> , 2021, 37, 1181-1184.	0.8	8
1010	Competitive exchange between divalent metal ions [Cu(II), Zn(II), Ca(II)] and Hg(II) bound to thiols and natural organic matter. <i>Journal of Hazardous Materials</i> , 2022, 424, 127388.	6.5	2



#	ARTICLE	IF	CITATIONS
1011	Effects of temperature and relative humidity on the partitioning of atmospheric oxidized mercury at a high-altitude mountain background site in Taiwan. <i>Atmospheric Environment</i> , 2021, 261, 118572.	1.9	13
1012	Bismuth-based photocatalyst for photocatalytic oxidation of flue gas mercury removal: A review. <i>Journal of Hazardous Materials</i> , 2021, 418, 126280.	6.5	82
1013	Mercury Levels in Feathers of Penguins from the Antarctic Peninsula Area: Geographical and Inter-Specific Differences. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9918.	1.2	0
1014	Fish, rice, and human hair mercury concentrations and health risks in typical Hg-contaminated areas and fish-rich areas, China. <i>Environment International</i> , 2021, 154, 106561.	4.8	27
1015	The Relationship Between Embryotoxicity and Oxidative Stress Produced by Aluminum, Iron, Mercury, and Their Mixture on <i>Cyprinus carpio</i> . <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	7
1016	Regional variation in mercury bioaccumulation among NW Atlantic Golden (Lopholatilus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 117177.	3.7	0
1017	Gaseous Elemental Mercury Exchange Fluxes over Air-Soil Interfaces in the Degraded Grasslands of Northeastern China. <i>Biology</i> , 2021, 10, 917.	1.3	1
1018	Spatial Distribution of Atmospheric Mercury Species in the Southern Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034651.	1.2	7
1019	Mercury concentration and isotopic composition on different atmospheric particles (PM10 and PM2.5) in the subtropical coastal suburb of Xiamen Bay, Southern China. <i>Atmospheric Environment</i> , 2021, 261, 118604.	1.9	12
1020	Flux measurements of gaseous elemental mercury (GEM) from the geothermal area of "Le Biancane" natural park (Monterotondo Marittimo, Grosseto, Italy): Biogeochemical processes controlling GEM emission. <i>Journal of Geochemical Exploration</i> , 2021, 228, 106824.	1.5	7
1021	Mercury Accumulation in Marine Sediments " A Comparison of an Upwelling Area and Two Large River Mouths. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	3
1022	Foraging in marine habitats increases mercury concentrations in a generalist seabird. <i>Chemosphere</i> , 2021, 279, 130470.	4.2	7
1023	Trophic transfer and dietary exposure risk of mercury in aquatic organisms from urbanized coastal ecosystems. <i>Chemosphere</i> , 2021, 281, 130836.	4.2	20
1024	Lethal impacts of selenium counterbalance the potential reduction in mercury bioaccumulation for freshwater organisms. <i>Environmental Pollution</i> , 2021, 287, 117293.	3.7	4
1025	The silver linings of mercury: Reconsideration of its impacts on living organisms from a multi-timescale perspective. <i>Environment International</i> , 2021, 155, 106670.	4.8	12
1026	Passerine bird reproduction does not decline in a highly-contaminated mercury mining district of China. <i>Environmental Pollution</i> , 2021, 286, 117440.	3.7	9
1027	Biomonitoring of Mercury Contamination in Poland Based on Its Concentration in Scots Pine ( <i>Pinus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 10366.	1.2	1
1028	Effect of different rice farming practices on the bioavailability of mercury: A mesocosm experiment with common goldfish ( <i>Carassius auratus</i> ). <i>Environmental Research</i> , 2021, 201, 111486.	3.7	2

#	ARTICLE	IF	CITATIONS
1029	Rapid detection of mercury in food via rhodamine 6G signal using surface-enhanced Raman scattering coupled multivariate calibration. <i>Food Chemistry</i> , 2021, 358, 129844.	4.2	31
1030	Impact of selenium on cerebellar injury and mRNA expression in offspring of rat exposed to methylmercury. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112584.	2.9	3
1031	Species-specific isotope tracking of mercury uptake and transformations by pico-nanoplankton in an eutrophic lake. <i>Environmental Pollution</i> , 2021, 288, 117771.	3.7	11
1032	Mercury contamination in terrestrial predatory birds from Northeast China: Implications for species and feather type selection for biomonitoring. <i>Ecological Indicators</i> , 2021, 130, 108108.	2.6	7
1033	Mercury accumulation response of rice plant ( <i>Oryza sativa</i> L.) to elevated atmospheric mercury and carbon dioxide. <i>Ecotoxicology and Environmental Safety</i> , 2021, 224, 112628.	2.9	11
1034	A new method of predicting the contribution of TGM to Hg in white rice: Using leaf THg and implications for Hg risk control in Wanshan Hg mine area. <i>Environmental Pollution</i> , 2021, 288, 117727.	3.7	2
1035	Mercury distribution in the East Himalayas: Elevational patterns in soils and non-volant small mammals. <i>Environmental Pollution</i> , 2021, 288, 117752.	3.7	4
1036	A critical review of environmental and public health impacts from the activities of evaporation ponds. <i>Science of the Total Environment</i> , 2021, 796, 149065.	3.9	18
1037	Meta-analysis shows environmental contaminants elevate cortisol levels in teleost fish – Effect sizes depend on contaminant class and duration of experimental exposure. <i>Science of the Total Environment</i> , 2021, 800, 149402.	3.9	8
1038	Mercury and selenium levels in archive samples of wild Atlantic bluefin tuna from the Mediterranean Sea. <i>Chemosphere</i> , 2021, 284, 131402.	4.2	6
1039	Mercury distribution around the Siele Hg mine (Mt. Amiata district, Italy) twenty years after reclamation: Spatial and temporal variability in soil, stream sediments, and air. <i>Journal of Geochemical Exploration</i> , 2022, 232, 106886.	1.5	13
1040	Ecophysiological effects of mercury bioaccumulation and biochemical stress in the deep-water mesopredator <i>Etmopterus spinax</i> (Elasmobranchii; Etmopteridae). <i>Journal of Hazardous Materials</i> , 2022, 423, 127245.	6.5	7
1041	Contrasting changes in long-term wet mercury deposition and socioeconomic development in the largest city of Tibet. <i>Science of the Total Environment</i> , 2022, 804, 150124.	3.9	5
1042	Thiourea-functionalized graphene aerogel for the aqueous phase sensing of toxic Pb(II) metal ions and H <sub>2</sub> O <sub>2</sub> . <i>Chemosphere</i> , 2022, 287, 132105.	4.2	23
1043	A simple quinoline-thiophene Schiff base turn-off chemosensor for Hg <sub>2</sub> <sup>+</sup> detection: spectroscopy, sensing properties and applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120338.	2.0	28
1044	Integrated watershed process model for evaluating mercury sources, transport, and future remediation scenarios in an industrially contaminated site. <i>Journal of Hazardous Materials</i> , 2022, 423, 127049.	6.5	2
1045	The alteration of gut microbiome community play an important role in mercury biotransformation in largemouth bass. <i>Environmental Research</i> , 2022, 204, 112026.	3.7	14
1046	Microplastics influence on Hg methylation in diverse paddy soils. <i>Journal of Hazardous Materials</i> , 2022, 423, 126895.	6.5	19

#	ARTICLE	IF	CITATIONS
1047	Quantitative Hg <sup>2+</sup> detection via forming three coordination complexes using a lysosome targeting quinoline - Fisher aldehyde fluorophore. <i>Talanta</i> , 2022, 236, 122884.	2.9	10
1048	Mercury adsorption kinetics on sulfurized biochar and solid-phase digestion using aqua regia: A synchrotron-based study. <i>Chemical Engineering Journal</i> , 2022, 428, 131362.	6.6	8
1049	Cellular and genetic mechanism of bacterial mercury resistance and their role in biogeochemistry and bioremediation. <i>Journal of Hazardous Materials</i> , 2022, 423, 126985.	6.5	45
1050	<i>In situ</i> formation of Hg <sup>2+</sup> -coordinated fluorescent nanoparticles through a supramolecular polymer network used for efficient Hg <sup>2+</sup> sensing and separation. <i>Nanoscale</i> , 2021, 13, 9172-9176.	2.8	15
1051	Pyran based bipodal "A systems: colorimetric and ratiometric sensing of mercury" experimental and theoretical approach. <i>New Journal of Chemistry</i> , 2021, 45, 15780-15788.	1.4	1
1052	Removal of mercury from polluted water by a novel composite of polymer carbon nanofiber: kinetic, isotherm, and thermodynamic studies. <i>RSC Advances</i> , 2021, 11, 380-389.	1.7	16
1053	Spatiotemporal distribution and long-range transport of atmospheric speciated mercury at three remote islands in Taiwan Strait and South China Sea. <i>Atmospheric Research</i> , 2021, 248, 105193.	1.8	15
1054	Changing Biogeochemical Cycles of Organic Carbon, Nitrogen, Phosphorus, and Trace Elements in Arctic Rivers. , 2021, , 315-348.		9
1055	Tracking Long-range Atmospheric Transport of Contaminants in Arctic Regions Using Lake Sediments. <i>Developments in Paleoenvironmental Research</i> , 2015, , 223-262.	7.5	4
1056	Total and methylmercury concentrations in ground and surface waters in natural and restored freshwater wetlands in northern New York. <i>Ecotoxicology</i> , 2020, 29, 1602-1613.	1.1	5
1057	Do songbirds in wetlands show higher mercury bioaccumulation relative to conspecifics in non-wetland habitats?. <i>Ecotoxicology</i> , 2020, 29, 1183-1194.	1.1	10
1058	Mercury in fish from streams and rivers in New York State: Spatial patterns, temporal changes, and environmental drivers. <i>Ecotoxicology</i> , 2020, 29, 1686-1708.	1.1	10
1059	Spatial characteristics and geographical determinants of mercury and arsenic in snow in northeastern China. <i>Atmospheric Pollution Research</i> , 2020, 11, 2068-2075.	1.8	9
1060	Graphene oxide/polyethyleneimine aerogel for high-performance mercury sorption from natural waters. <i>Chemical Engineering Journal</i> , 2020, 398, 125587.	6.6	38
1061	Mercury levels of yellowfin tuna ( <i>Thunnus albacares</i> ) are associated with capture location. <i>Environmental Pollution</i> , 2017, 229, 87-93.	3.7	53
1062	Concentration of trace elements in long-finned pilot whales stranded in northern Patagonia, Chile. <i>Marine Pollution Bulletin</i> , 2020, 151, 110822.	2.3	6
1063	Copper sulfide microsphere for Hg <sup>0</sup> capture from flue gas at low temperature. <i>Materials Today Communications</i> , 2020, 25, 101188.	0.9	20
1064	Environmental impacts of the life cycle of alluvial gold mining in the Peruvian Amazon rainforest. <i>Science of the Total Environment</i> , 2019, 662, 940-951.	3.9	64

#	ARTICLE	IF	CITATIONS
1065	Trapped river otters ( <i>Lontra canadensis</i> ) from central Saskatchewan differ in total and organic mercury concentrations by sex and geographic location. <i>Facets</i> , 2018, 3, 139-154.	1.1	6
1066	Mercury distribution in the surface soil of China is potentially driven by precipitation, vegetation cover and organic matter. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	5
1067	Geochemical legacies and the future health of cities: A tale of two neurotoxins in urban soils. <i>Elementa</i> , 2015, 3, .	1.1	27
1068	Investigation of Hg uptake and transport between paddy soil and rice seeds combining Hg isotopic composition and speciation. <i>Elementa</i> , 2016, 4, .	1.1	11
1069	Constraints from observations and modeling on atmosphere–surface exchange of mercury in eastern North America. <i>Elementa</i> , 2016, 4, .	1.1	4
1070	Total- and monomethyl-mercury and major ions in coastal California fog water: Results from two years of sampling on land and at sea. <i>Elementa</i> , 2016, 4, .	1.1	18
1071	Modeling the global atmospheric transport and deposition of mercury to the Great Lakes. <i>Elementa</i> , 2016, 4, .	1.1	16
1072	Mercury cycling in Australian estuaries and near shore coastal ecosystems: Triggers for management. <i>Elementa</i> , 2020, 8, .	1.1	4
1073	Total gaseous mercury levels over the Northwestern Pacific Ocean and around Iceland: Oceanic, volcanic and geothermal influences. <i>Geochemical Journal</i> , 2015, 49, 503-512.	0.5	1
1074	Mercury soil contents and associated ecological and health risks in kindergartens and functional areas of the city of Vanadzor (Armenia). <i>Geography, Environment, Sustainability</i> , 2019, 12, 252-271.	0.6	2
1076	Health and Environmental Risk Assessment Project for bottlenose dolphins <i>Tursiops truncatus</i> from the southeastern USA. II. Environmental aspects. <i>Diseases of Aquatic Organisms</i> , 2017, 125, 155-166.	0.5	19
1077	Trophodynamics and mercury bioaccumulation in reef and open-ocean fishes from The Bahamas with a focus on two teleost predators. <i>Marine Ecology - Progress Series</i> , 2019, 608, 221-232.	0.9	10
1078	Direct Measurement of Mercury Deposition at Rural and Suburban Sites in Washington State, USA. <i>Atmosphere</i> , 2021, 12, 35.	1.0	3
1079	Characteristics and Sources of Speciated Atmospheric Mercury at a Coastal Site in the East China Sea Region. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2913-2923.	0.9	12
1080	Global evaluation and calibration of a passive air sampler for gaseous mercury. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5905-5919.	1.9	43
1087	A bottom-up quantification of foliar mercury uptake fluxes across Europe. <i>Biogeosciences</i> , 2020, 17, 6441-6456.	1.3	24
1089	Biogeochemical processes accounting for the natural mercury variations in the Southern Ocean diatom ooze sediments. <i>Ocean Science</i> , 2020, 16, 729-741.	1.3	10
1090	Development and Field Application of a Passive Sampler for Atmospheric Mercury. <i>Asian Journal of Atmospheric Environment</i> , 2020, 14, 14-27.	0.4	3

#	ARTICLE	IF	CITATIONS
1091	Heavy Metal Sources and Their Effects on Human Health. , 0, , .		14
1092	Detoxification of Heavy Metals Using Marine Metal Resistant Bacteria: A New Method for the Bioremediation of Contaminated Alkaline Environments. , 2021, , 297-332.		3
1093	Fish vertebrae as archeological biomarkers of past marine ecological conditions: Comparison of mercury levels in Chilean swordfish between the Middle Holocene and the modern period. International Journal of Osteoarchaeology, 2022, 32, 111-119.	0.6	2
1094	Effect of the Coal Preparation Process on Mercury Flows and Emissions in Coal Combustion Systems. Environmental Science & Technology, 2021, 55, 13687-13696.	4.6	9
1095	Evaluation of Manganese Oxide Amendments for Mercury Remediation in Contaminated Aquatic Sediments. ACS ES&T Engineering, 2021, 1, 1688-1697.	3.7	2
1096	Shale weathering profiles show Hg sequestration along a New Yorkâ€“Tennessee transect. Environmental Geochemistry and Health, 2022, 44, 3515-3526.	1.8	2
1097	Attenuation of Hg(II)-induced cellular and DNA damage in human blood cells by uric acid. Biochemistry and Cell Biology, 2022, 100, 45-58.	0.9	2
1098	High variability of mercury content in the hair of Russia Northwest population: the role of the environment and social factors. International Archives of Occupational and Environmental Health, 2021, , 1.	1.1	4
1099	Speciated atmospheric mercury at the Waliguan Global Atmosphere Watch station in the northeastern Tibetan Plateau: implication of dust-related sources for particulate bound mercury. Atmospheric Chemistry and Physics, 2021, 21, 15847-15859.	1.9	12
1100	Total mercury exposure risk and selenium content measuring on fishery products consumed by women of childbearing age from Bogota, Colombia. Vitae, 2021, 28, .	0.2	0
1101	Aerosol Populations, Processes, and Ages in Bulk Deposition: Insights From a 9â€“Year Study of <sup>7</sup> Be, <sup>210</sup> Pb, Sulfate, and Major/Trace Elements. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035612.	1.2	3
1102	50 years of articles in JEQ on trace elements in the environment, and future outlook. Journal of Environmental Quality, 2021, 50, 1266-1281.	1.0	0
1103	Sources of riverine mercury across the Mackenzie River Basin; inferences from a combined Hg C isotopes and optical properties approach. Science of the Total Environment, 2022, 806, 150808.	3.9	11
1104	The use and abuse of cinnabar in Late Neolithic and Copper Age Iberia. International Journal of Osteoarchaeology, 2022, 32, 202-214.	0.6	11
1105	Benefit of ion imprinting technique in solid-phase extraction of heavy metals, special focus on the last decade. Journal of Environmental Chemical Engineering, 2021, 9, 106548.	3.3	30
1106	p62/sequestosome 1 attenuates methylmercury-induced endoplasmic reticulum stress in mouse embryonic fibroblasts. Toxicology Letters, 2021, 353, 93-99.	0.4	8
1108	Evidence that the Ubiquitin Proteasome System Plays a Prominent Role in Inflammatory Bowel Disease: Possible Pharmacological Approaches. Pharmacy & Pharmacology International Journal, 2016, 4, .	0.1	0
1109	Mercury levels in fly ash and Apc residue from municipal solid waste incineration before and after electro-dialytic remediation. International Journal of Sustainable Development and Planning, 2016, 11, 672-682.	0.3	0

#	ARTICLE	IF	CITATIONS
1110	Human Interactions with Sirenians (Manatees and Dugongs). <i>Animal Welfare</i> , 2017, , 299-314.	1.0	1
1112	Mercury Isotopes. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 1-7.	0.1	0
1113	Contamination of the Biosphere with Mercury: Another Potential Consequence of On-going Climate Manipulation Using Aerosolized Coal Fly Ash. <i>Journal of Geography Environment and Earth Science International</i> , 2017, 13, 1-11.	0.2	5
1114	Technological Interventions in Management of Hg Contaminated Water. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2018, , 126-140.	0.3	0
1115	Mercury Isotopes. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 900-906.	0.1	0
1117	Aerosolized Coal Fly Ash: A Previously Unrecognized Primary Factor in the Catastrophic Global Demise of Bird Populations and Species. <i>Asian Journal of Biology</i> , 2018, 6, 1-21.	0.2	10
1118	Aquatic Cycling of Mercury. , 2019, , 1-12.		0
1120	Transport and Fate of Mercury (Hg) in the Environment: Need for Continuous Monitoring. , 2019, , 2317-2335.		1
1121	Mercury concentrations found in feathers of adult and nestling Osprey <i>Pandion haliaetus</i> from Hokkaido, Japan. <i>Japanese Journal of Ornithology</i> , 2019, 68, 343-347.	0.0	0
1122	DIRECT DETERMINATION OF THE CONTENT OF MERCURY AND LEAD IN THE BLOOD OF PREGNANT WOMEN AND THE INFLUENCE OF THEIR LEVEL ON THE TERMINATION OF PREGNANCY IN EARLY TERMS. <i>Toxicological Review</i> , 2019, , 56-61.	0.2	0
1123	Influence du pH de l'eau d'arrosage sur les caractéristiques agronomiques de deux accessions de niébé (Vigna unguiculata (L) Walp) dans la région de Daloa, Côte d'Ivoire. <i>Journal of Applied Bioscience</i> , 2021, 50, 9022-9032.	0.7	4
1124	Arsenic biotransformation and mobilization: the role of bacterial strains and other environmental variables. <i>Environmental Science and Pollution Research</i> , 2022, 29, 1763-1787.	2.7	16
1125	Superhydrophilic Sandwich Structure Aerogel Membrane for Emulsion Separation and Heavy Metal Ion Removal. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5470-5480.	2.0	7
1126	Trophic position, altitudinal distribution, and water dependence as determining factors for mercury concentrations in tropical montane anurans. <i>Science of the Total Environment</i> , 2022, 806, 151356.	3.9	1
1127	Gaseous mercury capture using iodine-modified carbon nitride derived from guanidine hydrochloride. <i>Chemical Physics Letters</i> , 2022, 793, 139171.	1.2	8
1128	Chapter 13: Technology vs. Mercury: The Metal That Scars Civilization. , 2020, , 205-218.		1
1129	Spatial distribution of mercury accumulation in the surface soil of Japanese forests. <i>Journal of Forest Research</i> , 2021, 26, 161-167.	0.7	2
1130	Mercury exposure in an endangered seabird: long-term changes and relationships with trophic ecology and breeding success. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20202683.	1.2	15

#	ARTICLE	IF	CITATIONS
1131	Long-range transport of La Soufrière volcanic plume to the western North Pacific: Influence on atmospheric mercury and aerosol properties. <i>Atmospheric Environment</i> , 2022, 268, 118806.	1.9	18
1132	An assessment of heavy metal level in infant formula on the market in Turkey and the hazard index. <i>Journal of Food Composition and Analysis</i> , 2022, 105, 104258.	1.9	22
1133	Technological Interventions in Management of Hg Contaminated Water. , 2022, , 407-418.		0
1134	A novel SERS biosensor for ultrasensitive detection of mercury(II) in complex biological samples. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130934.	4.0	10
1135	Continuous and near real-time measurements of gaseous elemental mercury (GEM) from an Unmanned Aerial Vehicle: A new approach to investigate the 3D distribution of GEM in the lower atmosphere. <i>Chemosphere</i> , 2022, 288, 132547.	4.2	11
1136	Spherical In <sub>2</sub> S <sub>3</sub> anchored on g-C <sub>3</sub> N <sub>4</sub> nanosheets for efficient elemental mercury removal in the wide temperature range. <i>Chemical Engineering Journal</i> , 2022, 430, 132857.	6.6	25
1137	Ecophysiology and Stress Responses of Aquatic Macrophytes Under Metal/Metalloid Toxicity. , 2020, , 485-511.		2
1138	Heavy Metal Content in Feedstuffs and Feeds in Hubei Province, China. <i>Journal of Food Protection</i> , 2020, 83, 762-766.	0.8	11
1139	Mercury in female cattle livers and kidneys from Vojvodina, northern Serbia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 854, 012099.	0.2	0
1140	Temporal variation of speciated atmospheric Hg and characteristics of size-fractionated HgP at a suburban site in Shijiazhuang City, North China. <i>Atmospheric Pollution Research</i> , 2021, 12, 101253.	1.8	6
1141	Current issues of environmental mercury pollution (review). <i>Gigiena I Sanitariia</i> , 2020, 99, 460-467.	0.1	0
1142	Current issues of environmental mercury pollution (review). <i>Gigiena I Sanitariia</i> , 2020, 99, 460-467.	0.1	1
1143	Modeling of Atmospheric Mercury Deposition in India. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021, , 183-196.	0.3	1
1144	Assessing contributions of natural surface and anthropogenic emissions to atmospheric mercury in a fast-developing region of eastern China from 2015 to 2018. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10985-10996.	1.9	5
1145	Development of Bioadsorbent Chitosan from Shrimp Shell Waste to Mercury Absorption Efficiency. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 589, 012018.	0.2	3
1146	Mercury Content in Water Beetles (Coleoptera: Dytiscidae, Hydrophilidae) of Different Size Classes. <i>Inland Water Biology</i> , 2020, 13, 684-690.	0.2	1
1147	Mercury exposure driven by geographic and trophic factors in Magellanic penguins from Tierra del Fuego. <i>Marine Pollution Bulletin</i> , 2022, 174, 113184.	2.3	5
1148	Detection and remediation of mercury contaminated environment by nanotechnology: Progress and challenges. <i>Environmental Pollution</i> , 2022, 293, 118557.	3.7	17

#	ARTICLE	IF	CITATIONS
1149	Mercury exposure of tidal marsh songbirds in the northeastern United States and its association with nest survival. <i>Ecotoxicology</i> , 2022, 31, 208-220.	1.1	1
1150	Deep impact? Is mercury in dab ( <i>Limanda limanda</i> ) a marker for dumped munition? Results from munition dump site Kolberger Heide (Baltic Sea). <i>Environmental Monitoring and Assessment</i> , 2021, 193, 788.	1.3	4
1151	Selecting the best non-invasive matrix to measure mercury exposure in human biomonitoring surveys. <i>Environmental Research</i> , 2022, 204, 112394.	3.7	11
1152	Economic Impacts on Human Health Resulting from the Use of Mercury in the Illegal Gold Mining in the Brazilian Amazon: A Methodological Assessment. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11869.	1.2	10
1153	Characteristics and Risk Assessments of Mercury Pollution Levels at Domestic Garbage Collection Points Distributed within the Main Urban Areas of Changchun City. <i>Toxics</i> , 2021, 9, 309.	1.6	0
1154	Foraging plasticity diversifies mercury exposure sources and bioaccumulation patterns in the world's largest predatory fish. <i>Journal of Hazardous Materials</i> , 2022, 425, 127956.	6.5	6
1155	Evaluation of deep-water environmental conditions during the latest Maastrichtian-early Danian: Insights from the western south atlantic ocean. <i>Journal of South American Earth Sciences</i> , 2021, 112, 103630.	0.6	1
1156	Lateral flow test strips for mercury ions detection based on combination of oligonucleotide-modified gold nanoparticles and chelation by glutathione. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
1157	New Insights on the Use of Rhamphotheca as a Mercury Biomonitoring Tool for Tropical Waterbirds. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1158	A fluorescent zirconium organic framework displaying rapid and nanomolar level detection of Hg( <sup>II</sup> ) and nitroantibiotics. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 859-869.	3.0	30
1159	Chemistry of magnetic covalent organic frameworks (MagCOFs): from synthesis to separation applications. <i>Materials Advances</i> , 2022, 3, 1432-1458.	2.6	9
1160	Inorganic and methylated mercury dynamics in estuarine water of a salt marsh in Massachusetts, USA. <i>Environmental Pollution</i> , 2022, 294, 118657.	3.7	5
1161	Influence of <i>Spartina alterniflora</i> invasion on mercury storage and methylation in the sediments of Yangtze River estuarine wetlands. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 265, 107717.	0.9	7
1162	Dual role of titanium dioxide nanoparticles in the accumulation of inorganic and methyl mercury by crustacean <i>Daphnia magna</i> through waterborne and dietary exposure. <i>Environmental Pollution</i> , 2022, 295, 118619.	3.7	3
1163	Spatial and sex differences in mercury contamination of skuas in the Southern Ocean. <i>Environmental Pollution</i> , 2022, 297, 118841.	3.7	10
1164	Enrichment of trace Hg(II) ions from food and water samples after solid phase extraction combined with ICP-OES determination. <i>Microchemical Journal</i> , 2022, 175, 107179.	2.3	11
1165	A novel xanthene-based fluorescence turn-on probe for highly selective detection of Hg <sup>2+</sup> in water samples and living cells. <i>Journal of Molecular Structure</i> , 2022, 1254, 132312.	1.8	10
1166	Recent advances in MC-ICP-MS applications in Earth and environmental sciences: Challenges and solutions. <i>Geosystems and Geoenvironment</i> , 2022, 1, 100019.	1.7	25



#	ARTICLE	IF	CITATIONS
1167	Silver nanomaterials sensing of mercury ions in aqueous medium. <i>Coordination Chemistry Reviews</i> , 2022, 456, 214363.	9.5	11
1168	Long-term monitoring of mercury in young German adults: Time trend analyses from the German Environmental Specimen Bank, 1995â€“2018. <i>Environmental Research</i> , 2022, 207, 112592.	3.7	5
1169	Seasonal variation and source identification of atmospheric speciated mercury in an industrial harbor area in East Asia. <i>Science of the Total Environment</i> , 2022, 815, 152785.	3.9	4
1170	Mercury emission from the aluminium industry: a review. <i>MOJ Ecology &amp; Environmental Sciences</i> , 2020, 5, 129-135.	0.1	1
1171	Mercury in Sediment Core Samples From Deep Siberian Ice-Rich Permafrost. <i>Frontiers in Earth Science</i> , 0, 9, .	0.8	3
1172	Mercury toxicity risk and corticosterone levels across the breeding range of the Yellow-breasted Chat. <i>Ecotoxicology</i> , 2022, 31, 234.	1.1	1
1173	A Review on the Resistance and Accumulation of Heavy Metals by Different Microbial Strains. , 0, , .		3
1174	Understanding among-lake variability of mercury concentrations in Northern Pike ( <i>Esox lucius</i> ): A whole-ecosystem study in subarctic lakes. <i>Science of the Total Environment</i> , 2022, 822, 153430.	3.9	10
1175	Smartphoneâ€“Assisted Quinolineâ€“Based Chromogenic Probe for the Selective Detection of Hg <sup>2+</sup> in Protic Media. <i>ChemistrySelect</i> , 2022, 7, .	0.7	3
1176	Mercury levels in sediment, fish and macroinvertebrates of the Boroo River, northern Mongolia, under the legacy of gold mining. <i>Ecotoxicology</i> , 2022, 31, 312.	1.1	0
1177	Adjustable Synthesis of Ni-Based Metalâ€“Organic Framework Membranes and Their Field-Effect Transistor Sensors for Mercury Detection. <i>ACS Applied Electronic Materials</i> , 2022, 4, 622-630.	2.0	4
1178	Amazon forests capture high levels of atmospheric mercury pollution from artisanal gold mining. <i>Nature Communications</i> , 2022, 13, 559.	5.8	67
1179	Mercury (Hg) and methylmercury (MeHg) in sediment and biota: A case study in a lagoon in Central Italy. <i>Marine Pollution Bulletin</i> , 2022, 175, 113308.	2.3	7
1180	Mercury transfer in coastal and oceanic food webs from the Southwest Atlantic Ocean. <i>Marine Pollution Bulletin</i> , 2022, 175, 113365.	2.3	5
1181	Selenium ameliorates mercuric chloride-induced brain damage through activating BDNF/TrkB/PI3K/AKT and inhibiting NF- $\kappa$ B signaling pathways. <i>Journal of Inorganic Biochemistry</i> , 2022, 229, 111716.	1.5	30
1182	Coordinative sulfur site over flower-structured MoS <sub>2</sub> for efficient elemental mercury uptake from coal-fired flue gas. <i>Chemical Engineering Journal</i> , 2022, 434, 134649.	6.6	10
1183	Latitudinal gradient for mercury accumulation and isotopic evidence for post-depositional processes among three tropical forests in Southwest China. <i>Journal of Hazardous Materials</i> , 2022, 429, 128295.	6.5	10
1184	Total mercury accumulation in aboveground parts of maize plants ( <i>Zea mays</i> ) throughout a growing season. <i>Journal of Plant Interactions</i> , 2022, 17, 239-243.	1.0	2

#	ARTICLE	IF	CITATIONS
1185	Latitudinal Distribution of Gaseous Elemental Mercury in Tropical Western Pacific: The Role of the Doldrums and the ITCZ. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2968-2976.	4.6	4
1187	Mercury content and consumption risk of 8 species threadfin bream ( <i>Nemipterus</i> spp.) caught along the Gulf of Thailand. <i>Marine Pollution Bulletin</i> , 2022, 175, 113363.	2.3	1
1188	Looping Mercury Cycle in Global Environmental Economic System Modeling. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2861-2879.	4.6	19
1189	ZnS-modified carbon nitride nanosheet with enhanced performance of elemental Hg removal: An experimental and density functional theory study. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 1641-1650.	1.2	8
1190	Bioaccumulation of Mercury Along Continuous Fauna Trophic Levels in the Yellow River Estuary and Adjacent Sea Indicated by Nitrogen Stable Isotopes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1191	Progressive resistance exercise prevents muscle strength loss due to muscle atrophy induced by methylmercury systemic intoxication. <i>JCSM Clinical Reports</i> , 2021, 6, 80-92.	0.5	0
1192	Living in a transient world: ICP-MS reinvented via time-resolved analysis for monitoring single events. <i>Chemical Science</i> , 2022, 13, 4436-4473.	3.7	35
1193	Fluorescent Chemosensors Containing Ruthenium(II) Bipyridine as Fluorogenic Unit and Modified Calix[4]Arene as Ionophore: Synthesis, Characterization, Electrochemistry and Ion-Binding Property. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1195	Demystifying mercury geochemistry in contaminated soil-groundwater systems with complementary mercury stable isotope, concentration, and speciation analyses. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1406-1429.	1.7	8
1196	Kinetic Aspects of the Interactions between TiO <sub>2</sub> Nanoparticles, Mercury and the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Environments - MDPI</i> , 2022, 9, 44.	1.5	1
1197	Analysis of mercury emissions and cycles in typical industrial city clusters: a case study in China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 56760-56771.	2.7	1
1198	Photo-on-demand Phosgenation Reactions with Chloroform Triggered by Cl <sub>2</sub> upon Irradiation with Visible Light: Syntheses of Chloroformates, Carbonate Esters, and Isocyanates. <i>Chemistry Letters</i> , 2022, 51, 549-551.	0.7	7
1199	Mediterranean Mercury Assessment 2022: An Updated Budget, Health Consequences, and Research Perspectives. <i>Environmental Science &amp; Technology</i> , 2022, 56, 3840-3862.	4.6	31
1200	Recent Trends and Future Perspectives of Emergent Analytical Techniques for Mercury Sensing in Aquatic Environments. <i>Chemical Record</i> , 2022, 22, e202100327.	2.9	15
1201	What Is in Your Shark Fin Soup? Probably an Endangered Shark Species and a Bit of Mercury. <i>Animals</i> , 2022, 12, 802.	1.0	6
1202	Curcumin Is an Iconic Ligand for Detecting Environmental Pollutants. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-12.	1.8	7
1203	Immobilization of mercury in tailings originating from the historical artisanal and small-scale gold mining using sodium polysulfide. <i>Environmental Science and Pollution Research</i> , 2022, , 1.	2.7	0
1204	Sentinel Riparian Spiders Predict Mercury Contamination of Riverine Fish. <i>Environmental Toxicology and Chemistry</i> , 2022, , .	2.2	0

#	ARTICLE	IF	CITATIONS
1205	Mercury wet depositions study during plum rain, regular precipitations and near typhoon periods. <i>Environmental Forensics</i> , 0, , 1-8.	1.3	0
1206	One-Pot Hydrothermal Synthesis for a Manganese Oxide Molecular Sieve for Application in Mercury Removal in Chloride-Free Flue Gas. <i>ChemistrySelect</i> , 2022, 7, .	0.7	4
1207	Mercury concentrations and stable isotopes ( $\delta^{15}\text{N}$ and $\delta^{13}\text{C}$ ) in fish muscle indicate human impacts in tropical coastal lagoons. <i>Marine Pollution Bulletin</i> , 2022, 176, 113454.	2.3	2
1208	Physiological and climate controls on foliar mercury uptake by European tree species. <i>Biogeosciences</i> , 2022, 19, 1335-1353.	1.3	18
1209	Design and Synthesis of Dipeptidomimetic Isocyanonaphthalene as Enhanced-Fluorescent Chemodosimeter for Sensing Mercury Ion and Living Cells. <i>Frontiers in Chemistry</i> , 2022, 10, 813108.	1.8	2
1210	Recent advances in polymeric chemosensors for the detection and removal of mercury ions in complex aqueous media. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2022, 59, 389-402.	1.2	2
1211	Characteristics and Health Risk Assessment of Mercury Exposure via Indoor and Outdoor Household Dust in Three Iranian Cities. <i>Atmosphere</i> , 2022, 13, 583.	1.0	13
1212	Mercury and REE contents in fruticose lichens from volcanic areas of the south volcanic zone. <i>Atmospheric Pollution Research</i> , 2022, 13, 101384.	1.8	1
1213	Mercury Reduction, Uptake, and Species Transformation by Freshwater Alga <i>Chlorella vulgaris</i> under Sunlit and Dark Conditions. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4961-4969.	4.6	17
1214	Mercury concentrations, biomagnification and isotopic discrimination factors in two seabird species from the Humboldt Current ecosystem. <i>Marine Pollution Bulletin</i> , 2022, 177, 113481.	2.3	8
1215	Transcriptomic and proteomic analysis of Chinese rare minnow ( <i>Gobiocypris rarus</i> ) larvae in response to acute waterborne cadmium or mercury stress. <i>Aquatic Toxicology</i> , 2022, 246, 106134.	1.9	8
1216	Effect of monoethanolamine salt-containing dicarboxylic acid and plant growth regulators on the absorption and accumulation of mercury. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 3448-3455.	1.8	0
1217	Transport of mercury in a regulated high-sediment river and its input to marginal seas. <i>Water Research</i> , 2022, 214, 118211.	5.3	18
1218	High concentrations of HgS, MeHg and toxic gas emissions in thermally affected waste dumps from hard coal mining in Poland. <i>Journal of Hazardous Materials</i> , 2022, 431, 128542.	6.5	9
1219	Terrestrial mercury and methylmercury bioaccumulation and trophic transfer in subtropical urban forest food webs. <i>Chemosphere</i> , 2022, 299, 134424.	4.2	11
1220	Reconstructing atmospheric Hg levels near the oldest chemical factory in central Europe using a tree ring archive. <i>Environmental Pollution</i> , 2022, 304, 119215.	3.7	8
1221	Contrary effects of phytoplankton <i>Chlorella vulgaris</i> and its exudates on mercury methylation by iron- and sulfate-reducing bacteria. <i>Journal of Hazardous Materials</i> , 2022, 433, 128835.	6.5	11
1222	A theoretical study on structures of neutral $(\text{CuS})_n$ ( $n=1-10$ ) clusters and their interaction with $\text{HgO}$ . <i>Fuel</i> , 2022, 321, 123972.	3.4	4

#	ARTICLE	IF	CITATIONS
1223	Influence of life history variation and habitat on mercury bioaccumulation in a high-order predatory fish in tropical Australia. <i>Environmental Research</i> , 2022, 212, 113152.	3.7	2
1224	The Transformation of Inorganic and Methylmercury in the Presence of L-Cysteine Capped CdSe Nanoparticles. <i>Frontiers in Environmental Chemistry</i> , 2021, 2, .	0.7	2
1225	Experimental evidence for recovery of mercury-contaminated fish populations. <i>Nature</i> , 2022, 601, 74-78.	13.7	38
1226	Multiscale Temporal Variations of Atmospheric Mercury Distinguished by the Hilbert–Huang Transform Analysis Reveals Multiple El Niño–Southern Oscillation Links. <i>Environmental Science &amp; Technology</i> , 2022, 56, 1423-1432.	4.6	8
1227	Evaluation of olive stone biochar as valuable and inexpensive agro-waste adsorbent for the adsorption and removal of inorganic mercury from Nile tilapia aquaculture systems. <i>Aquaculture Research</i> , 2022, 53, 1676-1692.	0.9	3
1228	Substantial accumulation of mercury in the deepest parts of the ocean and implications for the environmental mercury cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
1229	Optical fiber mercury biosensor based on immobilized urease and bromothymol blue onto the alginate-chitosan membrane in the flow-system. <i>Kuwait Journal of Science</i> , 2021, 49, .	0.6	2
1230	Increasing collaboration between China and India in the environmental sciences to foster global sustainability. <i>Ambio</i> , 2022, 51, 1474-1484.	2.8	7
1231	Enhanced Absorption of Hg <sup>2+</sup> by a Recyclable Thiol-Functionalized <i>Salix Psammophila</i> . <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	1.1	3
1232	Assessment of Mercury Concentrations and Fluxes Deposited from the Atmosphere on the Territory of the Yamal-Nenets Autonomous Area. <i>Atmosphere</i> , 2022, 13, 37.	1.0	5
1233	Coordinatively Unsaturated Selenides over CuFeSe <sub>2</sub> toward Highly Efficient Mercury Immobilization. <i>Environmental Science &amp; Technology</i> , 2022, 56, 575-584.	4.6	36
1234	Efficacy of Hair Total Mercury Content as a Biomarker of Methylmercury Exposure to Communities in the Area of Artisanal and Small-Scale Gold Mining in Madre de Dios, Peru. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 13350.	1.2	11
1235	The effect of beaver dams on organic carbon, nutrients and methyl mercury distribution in impounded waterbodies. <i>Wildlife Biology</i> , 2020, 2020, 1-8.	0.6	11
1237	Applications of surface-enhanced Raman spectroscopy in environmental detection. <i>Analytical Science Advances</i> , 2022, 3, 113-145.	1.2	22
1238	Odds and ends of atmospheric mercury in Europe and over the North Atlantic Ocean: temporal trends of 25 years of measurements. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3827-3840.	1.9	9
1239	Feather mercury concentrations in omnivorous and granivorous terrestrial songbirds in Southeast Michigan. <i>Ecotoxicology</i> , 2022, 31, 797-807.	1.1	0
1240	Multi-Sensor Approach Combined with Pedological Investigations to Understand Site-Specific Variability of Soil Properties and Potentially Toxic Elements (PTEs) Content of an Industrial Contaminated Area. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3993.	1.3	3
1241	Spatial distribution patterns and sources for potential toxic elements in soil in the Daxing District, Beijing, China. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	1

#	ARTICLE	IF	CITATIONS
1242	Roles of plant-associated microorganisms in regulating the fate of Hg in croplands: A perspective on potential pathways in maintaining sustainable agriculture. <i>Science of the Total Environment</i> , 2022, 834, 155204.	3.9	11
1243	Forward-Looking Roadmaps for Long-Term Continuous Water Quality Monitoring: Bottlenecks, Innovations, and Prospects in a Critical Review. <i>Environmental Science &amp; Technology</i> , 2022, 56, 5334-5354.	4.6	26
1244	Selective removal of Hg <sup>2+</sup> /As <sup>3+</sup> /5 <sup>+</sup> from water system using <i>Suaeda maritima</i> plant based bio-adsorbent hybrid electro-deionization process. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107726.	3.3	4
1245	Study on the elemental mercury removal performance of co-pyrolyzed Cl-loading activated carbon and the formation mechanism of C-Cl functional groups. <i>Fuel</i> , 2022, 322, 124229.	3.4	14
1248	Single-particle spectroelectrochemistry: electrochemical tuning of plasmonic properties via mercury amalgamation in mesoporous silica coated gold nanorods without structural deformation. <i>Analyst</i> , 2022, 147, 2035-2039.	1.7	4
1249	Understanding trends in the mercury oxidation activity of single-atom catalysts. <i>Environmental Science: Nano</i> , 2022, 9, 2041-2050.	2.2	13
1250	Mercury methylation and methylmercury demethylation in boreal lake sediment with legacy sulphate pollution. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 932-944.	1.7	5
1251	Stable carbon and nitrogen isotopes explain methylmercury concentrations in stream food webs of Lake George, New York (USA). <i>Ecotoxicology</i> , 2022, 31, 808-821.	1.1	1
1252	Au/Ag <sub>2</sub> S dimeric nanostructures for highly specific plasmonic sensing of mercury(II). <i>Chinese Chemical Letters</i> , 2023, 34, 107491.	4.8	5
1253	Decreasing mercury levels in consumer fish over the three decades of increasing mercury emissions in China. , 2022, 1, 46-52.		25
1254	Earth system modeling of mercury using CESM2 – Part 1: Atmospheric model CAM6-Chem/Hg v1.0. <i>Geoscientific Model Development</i> , 2022, 15, 3587-3601.	1.3	10
1255	Concentrations and Species of Mercury in Municipal Sludge of Selected Chinese Cities and Potential Mercury Emissions From Sludge Treatment and Disposal. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	1
1256	First atmospheric mercury measurements at a coastal site in the Apulia region: seasonal variability and source analysis. <i>Environmental Science and Pollution Research</i> , 2022, , .	2.7	4
1257	Updated trends for atmospheric mercury in the Arctic: 1995–2018. <i>Science of the Total Environment</i> , 2022, 837, 155802.	3.9	17
1258	A review of application and development of combustion technology for oil sludge. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2022, 57, 396-412.	0.9	2
1259	Associations of maternal blood mercury with preeclampsia and birth outcomes. <i>Clinica Chimica Acta</i> , 2022, 531, 361-367.	0.5	2
1260	Important Roles of Thiols in Methylmercury Uptake and Translocation by Rice Plants. <i>Environmental Science &amp; Technology</i> , 2022, 56, 6765-6773.	4.6	10
1261	Tellurium-based chemical sensors. <i>ChemistrySelect</i> , 2022, , .	0.7	0

#	ARTICLE	IF	CITATIONS
1262	Mercury in air and soil on an urban-rural transect in East Africa. <i>Environmental Sciences: Processes and Impacts</i> , 2022, , .	1.7	6
1263	Two decades of changing anthropogenic mercury emissions in Australia: inventory development, trends, and atmospheric implications. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1474-1493.	1.7	3
1264	Mercury and selenium bioaccumulation in wild commercial fish in the coastal East China Sea: Selenium benefits versus mercury risks. <i>Marine Pollution Bulletin</i> , 2022, 180, 113754.	2.3	12
1265	Anthropogenic and natural drivers of seesaw-like spatial patterns in precipitation mercury over western China. <i>Environmental Pollution</i> , 2022, 307, 119525.	3.7	2
1266	Fluorescent chemosensors containing ruthenium(II) bipyridine as fluorogenic unit and modified calix[4]arene as ionophore: Synthesis, characterization, electrochemistry and ion-binding property. <i>Inorganica Chimica Acta</i> , 2022, 539, 121024.	1.2	1
1267	Novel Insight into Elemental Mercury Removal by Cobalt Sulfide Anchored Porous Carbon: Phase-Dependent Interfacial Activity and Mechanisms. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1268	Evaluating the Influence of Seasonal Stratification on Mercury Methylation Rates in the Water Column and Sediment in a Contaminated Section of a Western U.S.A. Reservoir. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
1269	Non-Essential Heavy Metals and Protective Effects of Selenium Against Mercury Toxicity in Endangered Australian Sea Lion ( <i>Neophoca cinerea</i> ) Pups with Hookworm Disease. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1270	Diffusion of $H_2S$ from anaerobic thiolated ligand biodegradation rapidly generates bioavailable mercury. <i>Environmental Microbiology</i> , 2022, 24, 3212-3228.	1.8	3
1271	Elevated Gaseous Oxidized Mercury Revealed by a Newly Developed Speciated Atmospheric Mercury Monitoring System. <i>Environmental Science &amp; Technology</i> , 2022, 56, 7707-7715.	4.6	7
1272	Calibration Approach for Gaseous Oxidized Mercury Based on Nonthermal Plasma Oxidation of Elemental Mercury. <i>Analytical Chemistry</i> , 2022, 94, 8234-8240.	3.2	6
1273	An assessment of mercury and its dietary drivers in fur of Arctic wolves from Greenland and High Arctic Canada. <i>Science of the Total Environment</i> , 2022, 838, 156171.	3.9	5
1274	Factors influencing lead, mercury and other trace element exposure in birds from metal mining areas. <i>Environmental Research</i> , 2022, 212, 113575.	3.7	12
1275	Higher mercury contamination is associated with shorter telomeres in a long-lived seabird – A direct effect or a consequence of among-individual variation in phenotypic quality?. <i>Science of the Total Environment</i> , 2022, 839, 156359.	3.9	3
1276	Gold nanoparticle-based signal amplified electrochemiluminescence for biosensing applications. <i>Talanta</i> , 2022, 248, 123611.	2.9	18
1277	Mercury pollution and its bioremediation by microbes. , 2022, , 651-664.		2
1278	Applications of Mercury Stable Isotopes in Environmental Forensics. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2022, 44, 175-188.	0.4	0
1279	Age, body size, growth and dietary habits: What are the key factors driving individual variability in mercury of lacustrine fishes in northern temperate lakes?. <i>Environmental Research</i> , 2022, 213, 113740.	3.7	2

#	ARTICLE	IF	CITATIONS
1280	Biomonitoring of mercury in water, sediments, and fish (brown and rainbow trout) from remote alpine lakes located in the Himalayas, Pakistan. <i>Environmental Science and Pollution Research</i> , 2022, 29, 81021-81036.	2.7	5
1281	Unbalanced ERâ€mitochondrial calcium homeostasis promotes mitochondrial dysfunction and associated apoptotic pathways activation in methylmercury exposed rat cortical neurons. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, .	1.4	4
1282	The Chemistry of Mercury in the Stratosphere. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
1283	Combined Experimental and Computational Kinetics Studies for the Atmospherically Important BrHg Radical Reacting with NO and O<sub>2</sub>. <i>Journal of Physical Chemistry A</i> , 2022, 126, 3914-3925.	1.1	3
1284	Probing the outfall-related anomalous Hg levels in the Danshuei Estuarine Coastal, Taiwan. <i>Marine Pollution Bulletin</i> , 2022, 181, 113840.	2.3	3
1285	Modeling mercury isotopic fractionation in the atmosphere. <i>Environmental Pollution</i> , 2022, 307, 119588.	3.7	6
1286	Mercury deposition in the western tropical South Atlantic during the last 70Åka. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 601, 111122.	1.0	2
1287	Experimental and molecular simulation studies on adsorption and diffusion of elemental mercury in flexible UiO-66. <i>Fuel</i> , 2022, 325, 124989.	3.4	5
1288	Solubilization and Coordination of the HgCl<sub>2</sub> Molecule in Water, Methanol, Acetone, and Acetonitrile: an X-ray Absorption Investigation. <i>Physical Chemistry Chemical Physics</i> , 0, , .	1.3	0
1289	Role of phytoplankton in aquatic mercury speciation and transformations. <i>Environmental Chemistry</i> , 2022, 19, 104-115.	0.7	9
1290	Differentially-Expressed Genes Related to Glutathione Metabolism and Heavy Metal Transport Reveals an Adaptive, Genotype-Specific Mechanism to Hg <sup>2+</sup> Exposure in Rice ( <i>Oryza Sativa</i> L.). <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1292	Mercury in soils of the conterminous United States: patterns and pools. <i>Environmental Research Letters</i> , 2022, 17, 074030.	2.2	7
1293	Recent advances in the application of Raman spectroscopy for fish quality and safety analysis. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022, 21, 3647-3672.	5.9	7
1294	<i>Syntrichia caninervis</i> adapt to mercury stress by altering submicrostructure and physiological properties in the GurbantÄ¼nggÄ¼t Desert. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
1295	Intracellular accumulation and DNA damage caused by methylmercury in glial cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, .	1.4	3
1296	Variation in blood mercury concentrations in brown skuas ( <i>Stercorarius antarcticus</i> ) is related to trophic ecology but not breeding success or adult body condition. <i>Marine Pollution Bulletin</i> , 2022, 181, 113919.	2.3	1
1297	Geological evolution of offshore pollution and its long-term potential impacts on marine ecosystems. <i>Geoscience Frontiers</i> , 2022, 13, 101427.	4.3	70
1298	Current understanding of the ecological risk of mercury from subsea oil and gas infrastructure to marine ecosystems. <i>Journal of Hazardous Materials</i> , 2022, 438, 129348.	6.5	17

#	ARTICLE	IF	CITATIONS
1299	Examining the inconsistency of mercury flow in post-Minamata Convention global trade concerning artisanal and small-scale gold mining activity. <i>Resources, Conservation and Recycling</i> , 2022, 185, 106461.	5.3	6
1300	Atmospheric particulate-bound mercury (PBM10) in a Southeast Asia megacity: Sources and health risk assessment. <i>Chemosphere</i> , 2022, 307, 135707.	4.2	7
1301	Bioaccumulation of Mercury and Radiocesium in Waterfowl Introduced to a Site with Legacy Contamination. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 2479-2487.	2.2	1
1302	Mercury transformation processes in nature: Critical knowledge gaps and perspectives for moving forward. <i>Journal of Environmental Sciences</i> , 2022, 119, 152-165.	3.2	3
1303	Arctic methylmercury cycling. <i>Science of the Total Environment</i> , 2022, 850, 157445.	3.9	11
1304	Mercury Sources and Processes Implied by Other Pollutants Distributions in Surface Water and Sediments of a Subtropical Estuary in Southern China. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	3
1305	Water quality indices appraisal and health risk assessment of nitrate, mercury and lead in water distribution network: A case study of Robat Karim in Tehran, Iran. <i>Environmental Quality Management</i> , 2023, 32, 275-285.	1.0	5
1306	Effect of Land Cover on Ecoregionâ€Scale Spatial Patterns of Mercury Contamination of Largemouth Bass in the Southeastern United States. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 2386-2394.	2.2	3
1307	Assessment of mercury enrichment in lake sediment records from Alberta Oil Sands development via fluvial and atmospheric pathways. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	4
1308	Occurrence of mercury in polychaete species (Annelida) and their associated sediments from an important Southern Atlantic Ocean Bay. <i>Science of the Total Environment</i> , 2022, 851, 157965.	3.9	2
1309	Mercury waste from artisanal and small-scale gold mining facilities: a risk to farm ecosystemsâ€”a case study of Obuasi, Ghana. <i>Environmental Science and Pollution Research</i> , 2023, 30, 4293-4308.	2.7	4
1310	Leachability of mercury in coal fly ash from coal-fired power plants in southwest China. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	2
1311	A state-of-the-science review and guide for measuring environmental exposure biomarkers in dried blood spots. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2023, 33, 505-523.	1.8	8
1313	Mercury concentration in the tissues of the Eurasian otter: a seasonal dependance in Slovakia. <i>Environmental Science and Pollution Research</i> , 0, , .	2.7	0
1314	Atmospheric Modelling of Mercury in the Southern Hemisphere and Future Research Needs: A Review. <i>Atmosphere</i> , 2022, 13, 1226.	1.0	1
1315	Changes of production and consumption structures in coastal regions lead to mercury emission control in China. <i>Journal of Industrial Ecology</i> , 2022, 26, 1760-1770.	2.8	2
1316	Pollution Characteristics and Risk Assessments of Mercury in Jiutai, a County Region Thriving on Coal Mining in Northeastern China. <i>Sustainability</i> , 2022, 14, 10366.	1.6	2
1317	Quantitative mapping of mercury and selenium in mushroom fruit bodies with laser ablationâ€”inductively coupled plasma-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 7517-7530.	1.9	6



#	ARTICLE	IF	CITATIONS
1318	Trophic Dynamics of Mercury in the Baltic Archipelago Sea Food Web: The Impact of Ecological and Ecophysiological Traits. <i>Environmental Science &amp; Technology</i> , 2022, 56, 11440-11448.	4.6	8
1319	A High Efficient Electrocatalytic Activity of Metal-Organic Frameworks ZnO/Ag/ZIF-8 Nanocomposite for Electrochemical Detection of Toxic Heavy Metal Ions. <i>Electroanalysis</i> , 2023, 35, .	1.5	4
1320	Combined application of humic acid and arbuscular mycorrhizal fungi regulates microbial community dynamics and enhances mercury-resistant genes in mercury-polluted paddy soil. <i>Journal of Cleaner Production</i> , 2022, 369, 133317.	4.6	1
1321	Organo-mercury species in a polluted agricultural flood plain: Combining speciation methods and polymerase chain reaction to investigate pathways of contamination. <i>Environmental Pollution</i> , 2022, 311, 119854.	3.7	3
1322	Mercury sequestration from synthetic and real gold processing wastewaters using Fe-Al bimetallic particles. <i>Journal of Cleaner Production</i> , 2022, 372, 133482.	4.6	6
1323	Mercury may reduce the protective effect of sea fish consumption on serum triglycerides levels in Chinese adults: Evidence from China National Human Biomonitoring. <i>Environmental Pollution</i> , 2022, 311, 119904.	3.7	0
1324	Novel insight into elemental mercury removal by cobalt sulfide anchored porous carbon: Phase-dependent interfacial activity and mechanisms. <i>Fuel</i> , 2023, 331, 125740.	3.4	8
1325	Exploring the molecular mechanisms underlie the endoplasmic reticulum stress-mediated methylmercury-induced neuronal developmental damage. <i>Ecotoxicology and Environmental Safety</i> , 2022, 245, 114099.	2.9	7
1326	Records of chemical weathering and volcanism linked to paleoclimate transition during the Late Paleozoic Icehouse. <i>Global and Planetary Change</i> , 2022, 217, 103934.	1.6	8
1327	Non-essential heavy metals and protective effects of selenium against mercury toxicity in endangered Australian sea lion ( <i>Neophoca cinerea</i> ) pups with hookworm disease. <i>Environment International</i> , 2022, 169, 107521.	4.8	8
1328	Geochemistry signatures of mercury in soils of the Amazon rainforest biome. <i>Environmental Research</i> , 2022, 215, 114147.	3.7	5
1329	Needle age and precipitation as drivers of Hg accumulation and deposition in coniferous forests from a southwestern European Atlantic region. <i>Environmental Research</i> , 2022, 215, 114223.	3.7	3
1330	Evaluating groundwater pollution with emphasizing heavy metal hotspots in an urbanized alluvium watershed of Yamuna River, northern India. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 18, 100744.	1.7	12
1331	Mercury and selenium levels in feathers of Southern Giant Petrels ( <i>Macronectes giganteus</i> ) from South Shetland Islands, Antarctica. , 2022, 2, 100020.		1
1332	Temperature fractionation of mercury in the cement production process using quadrupole mass spectrometry. <i>Cement and Concrete Research</i> , 2022, 162, 106970.	4.6	0
1333	Total and methylmercury concentrations in nocturnal migratory birds passing through Mount Ailao, Southwest China. <i>Environmental Research</i> , 2022, 215, 114373.	3.7	2
1334	Catalytic performance and sulfur resistance of OMS-2 modified by copper for mercury removal at low temperature. <i>Fuel</i> , 2023, 332, 126040.	3.4	13
1335	Mercury in Aquatic Systems of North Patagonia (Argentina): Sources, Processes, and Trophic Transfer. <i>Natural and Social Sciences of Patagonia</i> , 2022, , 163-194.	0.2	1

#	ARTICLE	IF	CITATIONS
1336	Design of Single-Atom Catalysts for HgO Oxidation Using H <sub>2</sub> O <sub>2</sub> . SSRN Electronic Journal, 0, , .	0.4	0
1337	The Timing and Magnitude of Anthropogenic Mercury Pollution: A 200-Year Record from Multi-Lake Sediment Cores in Northeast China. SSRN Electronic Journal, 0, , .	0.4	0
1338	Environmental impact of past Hg mining activities in the Monte Amiata district, Italy: A summary of recent studies. AIMS Geosciences, 2022, 8, 525-551.	0.4	1
1339	Pan-oceanic distribution of mercury (Hg) in sea turtles: a review. Endangered Species Research, 2022, 49, 175-185.	1.2	1
1340	Mercury in a birch forest in SW Europe: Deposition flux by litterfall and pools in aboveground tree biomass and soils. Science of the Total Environment, 2023, 856, 158937.	3.9	4
1342	Impairment in Working Memory and Executive Function Associated with Mercury Exposure in Indigenous Populations in Upper Amazonian Peru. International Journal of Environmental Research and Public Health, 2022, 19, 10989.	1.2	4
1343	Technology Transfer in the Context of Sustainable Developmentâ€”A Bibliometric Analysis of Publications in the Field. Sustainability, 2022, 14, 11973.	1.6	13
1344	Fluorescent RET-Based Chemosensor Bearing 1,8-Naphthalimide and Styrylpyridine Chromophores for Ratiometric Detection of Hg <sub>2+</sub> and Its Bio-Application. Biosensors, 2022, 12, 770.	2.3	4
1345	Sustainable PVP-Capped Silver Nanoparticles as a Free-Standing Nanozyme Sensor for Visual and Spectrophotometric Detection of Hg <sub>2+</sub> in Water Samples: A Green Analytical Method. Chemosensors, 2022, 10, 358.	1.8	12
1346	Global research trends on maternal exposure to methylmercury and offspring health outcomes. Frontiers in Pharmacology, 0, 13, .	1.6	4
1347	Expression Levels of <i>hgcAB</i> Genes and Mercury Availability Jointly Explain Methylmercury Formation in Stratified Brackish Waters. Environmental Science & Technology, 2022, 56, 13119-13130.	4.6	15
1348	Sequential injection analysis for mercury ion with modified screen â€” printed carbon electrode. , 2022, 32, 101-107.		0
1349	Monitoring of metal content in the tissues of wild boar ( <i>Sus scrofa</i> ) and its food safety aspect. Environmental Science and Pollution Research, 2023, 30, 15899-15910.	2.7	1
1350	Controllable Disordered Copper Sulfide with a Sulfur-Rich Interface for High-Performance Gaseous Elemental Mercury Capture. Environmental Science & Technology, 2022, 56, 13664-13674.	4.6	11
1351	Photocatalytic degradation of sulfamethoxazole using TiO <sub>2</sub> -based materials â€” Perspectives for the development of a sustainable water treatment technology. Science of the Total Environment, 2023, 856, 159122.	3.9	58
1352	Combining of C, N and specific Hg stable isotopes to track bioaccumulation of monomethylmercury in coastal and freshwater seafood. Food Chemistry, 2022, , 134202.	4.2	1
1353	A high spatial resolution dataset for anthropogenic atmospheric mercury emissions in China during 1998â€”2014. Scientific Data, 2022, 9, .	2.4	4
1354	Plankton population dynamics and methylmercury bioaccumulation in the pelagic food web of mine-impacted surface water reservoirs. Hydrobiologia, 2022, 849, 4803-4822.	1.0	2

#	ARTICLE	IF	CITATIONS
1355	Optimization and application of passive air sampling method for gaseous elemental mercury in Ulsan, South Korea. <i>Environmental Science and Pollution Research</i> , 0, , .	2.7	0
1356	Impacts of Material Input and Production Process on the Isotopic Fingerprint of Atmospheric Mercury Emissions from Cement Clinker Production. <i>Environmental Science and Technology Letters</i> , 2022, 9, 900-905.	3.9	0
1357	Total mercury concentrations in sharks, skates and rays along the South African coast. <i>Marine Pollution Bulletin</i> , 2022, 184, 114142.	2.3	3
1358	The effects of different temperatures in mercury toxicity to the terrestrial isopod <i>Porcellionides pruinosus</i> . <i>Environmental Pollution</i> , 2022, 314, 120209.	3.7	2
1359	Mercury Emissions from Artisanal Small-scale Gold Mining (ASGM), Primary Iron and Steel Production, and Techniques for Countermeasures. <i>Material Cycles and Waste Management Research</i> , 2021, 32, 354-360.	0.0	0
1360	Piperazine-Linked Covalent Triazine Polymer as an Efficient Platform for the Removal of Toxic Mercury(II) Ions from Wastewater. <i>ACS Applied Polymer Materials</i> , 2022, 4, 8118-8126.	2.0	6
1361	Photo-On-Demand Synthesis of $\alpha$ -Amino Acid $\alpha$ -Carboxyanhydrides with Chloroform. <i>ACS Omega</i> , 2022, 7, 39250-39257.	1.6	3
1362	Development of a deep eutectic solvent-based dispersive liquid-liquid microextraction coupled with spectrophotometer technique for determination of trace amount of Hg(II) in water samples. <i>Chemical Papers</i> , 2023, 77, 909-919.	1.0	3
1363	Advances in Concentration Gradient Generation Approaches in a Microfluidic Device for Toxicity Analysis. <i>Cells</i> , 2022, 11, 3101.	1.8	4
1364	Neuropsychological effects and cognitive deficits associated with exposure to mercury and arsenic in children and adolescents of the Mojana region, Colombia. <i>Environmental Research</i> , 2022, , 114467.	3.7	1
1365	In situ controllable growth of Ag particles on paper for smartphone optical sensing of Hg <sup>2+</sup> based on nanozyme activity stimulation. <i>Talanta</i> , 2023, 253, 124055.	2.9	10
1366	Atmospheric Hg(p) concentrations at various particles sizes before (2018-2019) and during (2019-2020) Tj ETQq1 1 0.784314 mg Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 0, , 1-7.	0.9	0
1367	Determination of the Heavy Metal Bioaccumulation Patterns in Muscles of Two Species of Mulletts from the Southern Caspian Sea. <i>Animals</i> , 2022, 12, 2819.	1.0	7
1368	Together, Not Separately, OH and O <sub>3</sub> Oxidize Hg <sup>(0)</sup> to Hg <sup>(II)</sup> in the Atmosphere. <i>Journal of Physical Chemistry A</i> , 2022, 126, 8266-8279.	1.1	8
1369	Primary Measurement of Gaseous Elemental Mercury Concentration with a Dynamic Range of Six Decades. <i>Analytical Chemistry</i> , 2022, 94, 15818-15826.	3.2	3
1370	Migration and transformation of soil mercury in a karst region of southwest China: Implications for groundwater contamination. <i>Water Research</i> , 2022, 226, 119271.	5.3	12
1371	Total mercury, methylmercury, and selenium concentrations in blue marlin <i>Makaira nigricans</i> from a long-term dataset in the western north Atlantic. <i>Science of the Total Environment</i> , 2023, 858, 159947.	3.9	2
1372	Mercury in Kansas Fish: Levels, Patterns, and Risk-Based Safe Consumption Limits for Mercury Sensitive Individuals. <i>Transactions of the Kansas Academy of Science</i> , 2022, 125, .	0.0	0

#	ARTICLE	IF	CITATIONS
1373	The single and combined effects of mercury and polystyrene plastic beads on antioxidant-related systems in the brackish water flea: toxicological interaction depending on mercury species and plastic bead size. <i>Aquatic Toxicology</i> , 2022, 252, 106325.	1.9	9
1374	Health risk assessment of heavy metal concentration in muscle of <i>Chelon auratus</i> and <i>Chelon saliens</i> from the southern Caspian Sea. <i>Environmental Geochemistry and Health</i> , 2023, 45, 3377-3385.	1.8	5
1375	The timing and magnitude of anthropogenic mercury pollution: A 200-year record from multi-lake sediment cores in northeast China. <i>Chemosphere</i> , 2022, 309, 136803.	4.2	6
1376	Removal of elemental mercury from flue gas over a low-cost and magnetic sorbent derived from FeSO <sub>4</sub> -flocculated sludge and rice straw. <i>Journal of the Energy Institute</i> , 2022, 105, 406-414.	2.7	3
1377	Evaluating the influence of seasonal stratification on mercury methylation rates in the water column and sediment in a contaminated section of a western U.S.A. reservoir. <i>Environmental Pollution</i> , 2023, 316, 120485.	3.7	1
1378	Dynamics, distribution, and transformations of mercury species from pyrenean high-altitude lakes. <i>Environmental Research</i> , 2023, 216, 114611.	3.7	5
1379	Mercury mitigation and unintended consequences in artisanal and small-scale gold mining. <i>Resources, Conservation and Recycling</i> , 2023, 188, 106708.	5.3	5
1380	Relationships between concentrations of mercury and organic carbon in soils allow the identification of Antarctic ice-free areas with enhanced deposition of the metal. <i>Catena</i> , 2023, 220, 106718.	2.2	4
1381	A Reversible Optical Sensor Film for Mercury Ions Discrimination Based on Isoxazolidine Derivative and Exhibiting pH Sensing. <i>Biosensors</i> , 2022, 12, 1028.	2.3	4
1382	Temporal trends of mercury levels in fish ( <i>dab</i> , <i>Limanda limanda</i> ) and sediment from the German Bight (North Sea) in the period 1995–2020. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	1.3	3
1383	Distribution of Mercury in the Water-Suspended Matter-Bottom Sediments System of the Lake Onego Water Area. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 1410.	0.8	1
1384	Anaerobic mercury methylators inhabit sinking particles of oxic water columns. <i>Water Research</i> , 2023, 229, 119368.	5.3	5
1385	Bioremediation of mercury-polluted soil and water by the plant symbiotic fungus <i>Metarhizium robertsii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	13
1386	Sub-lethal acute effects of environmental concentrations of inorganic mercury on hematological and biochemical parameters in walking catfish, <i>Clarias batrachus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2023, 264, 109511.	1.3	11
1387	Estimates, spatial variability, and environmental drivers of mercury biomagnification rates through lake food webs in the Canadian subarctic. <i>Environmental Research</i> , 2023, 217, 114835.	3.7	7
1388	Spatial variations of particulate-bound mercury in the atmosphere along a transect from the mid-Northern Hemisphere to the high southern latitudes. <i>Atmospheric Environment</i> , 2023, 294, 119470.	1.9	0
1389	Total mercury in different egg tissues provides insights to mercury metabolisms in bird bodies. <i>Ecotoxicology and Environmental Safety</i> , 2023, 249, 114336.	2.9	5
1390	Assessing and predicting the changes for inorganic mercury and methylmercury concentrations in surface waters of a tidal estuary (Adour Estuary, SW France). <i>Marine Pollution Bulletin</i> , 2023, 186, 114400.	2.3	5

#	ARTICLE	IF	CITATIONS
1391	High methylation potential of mercury complexed with mixed thiolate ligands by <i>Geobacter sulfurreducens</i> PCA. <i>Geochimica Et Cosmochimica Acta</i> , 2023, 342, 74-83.	1.6	1
1392	Recent advances in microbial mercury methylation: A review on methylation habitat, methylator, mechanism, and influencing factor. <i>Chemical Engineering Research and Design</i> , 2023, 170, 286-296.	2.7	11
1393	Migration and control of mercury in hazardous chemical waste incineration. <i>Fuel</i> , 2023, 334, 126706.	3.4	1
1394	Toward efficient bioremediation of methylmercury in sediment using <i>merB</i> overexpressed <i>Escherichia coli</i> . <i>Water Research</i> , 2023, 229, 119502.	5.3	3
1395	Mercury in oceanic upper trophic level sharks and bony fishes - A systematic review. <i>Environmental Pollution</i> , 2023, 318, 120821.	3.7	6
1396	New insights on the use of bill sheath as a biomonitoring tool for mercury in two kingfisher species: A comparison with different tissues. <i>Environmental Research</i> , 2023, 218, 114966.	3.7	1
1397	Elution behavior of mercury in desulfurization gypsum produced in a coal-fired power plant. <i>Fuel</i> , 2023, 334, 126761.	3.4	1
1399	Environmental behavior, human health effect, and pollution control of heavy metal(loid)s toward full life cycle processes. , 2022, 1, 229-243.		37
1400	Contaminants in fish from U.S. rivers: Probability-based national assessments. <i>Science of the Total Environment</i> , 2023, 861, 160557.	3.9	5
1401	Mercury pollution in Africa: A review. <i>Journal of Environmental Chemistry and Ecotoxicology</i> , 2022, 14, 32-49.	0.2	1
1402	The Roles of the Moss Layer in Mediating Tree Seedling Environmental Stress, Mercury Exposure, and Regeneration in High-Elevation Conifer Forests. <i>Ecosystems</i> , 0, , .	1.6	0
1403	High mercury concentrations in steelhead/rainbow trout, sculpin, and terrestrial invertebrates in a stream-riparian food web in coastal California. <i>Ecotoxicology</i> , 2022, 31, 1506-1519.	1.1	1
1404	Design of Single-Atom Catalysts for Hg <sup>0</sup> Oxidation Using H <sub>2</sub> O <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2022, 126, 21234-21242.	1.5	5
1405	Long-range transport of atmospheric speciated mercury from the eastern waters of Taiwan Island to northern South China Sea. <i>Environmental Pollution</i> , 2023, 318, 120899.	3.7	4
1406	Selenium Status: Its Interactions with Dietary Mercury Exposure and Implications in Human Health. <i>Nutrients</i> , 2022, 14, 5308.	1.7	6
1407	Terrestrial rather than volcanic mercury inputs to the Yangtze Platform (South China) during the Ordovician-Silurian transition. <i>Global and Planetary Change</i> , 2023, 220, 104023.	1.6	2
1408	Seabirds as Biomonitoring of Mercury Bioavailability in the Venice Lagoon. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2023, 110, .	1.3	1
1409	Enhanced natural releases of mercury in response to the reduction in anthropogenic emissions during the COVID-19 lockdown by explainable machine learning. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 15851-15865.	1.9	2

#	ARTICLE	IF	CITATIONS
1410	Negative effect of SO <sub>2</sub> on mercury removal over catalyst/sorbent from coal-fired flue gas and its coping strategies: A review. <i>Chemical Engineering Journal</i> , 2023, 455, 140751.	6.6	30
1411	Gaseous elemental mercury (GEM) exchange flux from soil-vegetation to atmosphere at a meadow steppe. <i>Biogeochemistry</i> , 2023, 162, 267-284.	1.7	1
1412	The Complex Interactions Between Sediment Geochemistry, Methylmercury Production, and Bioaccumulation in Intertidal Estuarine Ecosystems: A Focused Review. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2023, 110, .	1.3	3
1414	Heavy metal contamination in European conger ( <i>Conger conger</i> , Linnaeus 1758) along the coastline of Morocco. <i>Environmental Sciences Europe</i> , 2022, 34, .	2.6	1
1415	Prenatal Mercury Exposure and Infant Weight Trajectories in a UK Observational Birth Cohort. <i>Toxics</i> , 2023, 11, 10.	1.6	2
1416	Tracing the transboundary transport of atmospheric Particulate Bound Mercury driven by the East Asian monsoon. <i>Journal of Hazardous Materials</i> , 2023, 446, 130678.	6.5	3
1417	Mercury Exposure in Two Fish Trophic Guilds from Protected and ASGM-Impacted Reservoirs in Zimbabwe and Possible Risks to Human Health. <i>Archives of Environmental Contamination and Toxicology</i> , 2023, 84, 199-213.	2.1	1
1418	Assessment of Mercury Concentrations in Water and Fish Tissue Analysis in Kaw Lake, Oklahoma, 2022. <i>Journal of Environmental Protection</i> , 2023, 14, 50-65.	0.3	1
1419	Integrating Mercury Concentrations in American Alligators ( <i>Alligator mississippiensis</i> ) with Hunter Consumption Surveys to Estimate Exposure Risk. <i>Environmental Toxicology and Chemistry</i> , 2023, 42, 525-534.	2.2	4
1420	Cadmium, chromium, copper, iron, lead, mercury, nickel, and zinc in freshwater fish: Assessing trophic transfer using stable isotope ratios of <sup>15</sup> N and <sup>13</sup> C. <i>Journal of Environmental Sciences</i> , 2023, 128, 250-257.	3.2	0
1421	<i>Rhizophagus irregularis</i> improves Hg tolerance of <i>Medicago truncatula</i> by upregulating the Zn transporter genes ZIP2 and ZIP6. <i>Mycorrhiza</i> , 2023, 33, 23-32.	1.3	2
1422	Chitosan-Based Polymer Nanocomposites for Environmental Remediation of Mercury Pollution. <i>Polymers</i> , 2023, 15, 482.	2.0	17
1423	Spatial analysis of mercury and stable isotopes in the vulnerable Dusky Grouper <i>Epinephelus marginatus</i> along the Brazilian coast. <i>Marine Pollution Bulletin</i> , 2023, 187, 114526.	2.3	1
1424	Cradle-to-grave mercury emissions of light-duty gasoline and electric vehicles in China. <i>Resources, Conservation and Recycling</i> , 2023, 190, 106736.	5.3	5
1425	The influence of short-term temporal variability on the efficacy of dragonfly larvae as mercury biosentinels. <i>Science of the Total Environment</i> , 2023, 867, 161469.	3.9	2
1426	The Transformation of Hg <sup>2+</sup> during Anaerobic SO Reduction by an AMD Environmental Enrichment Culture. <i>Microorganisms</i> , 2023, 11, 72.	1.6	2
1427	Assessment of heavy metal pollution with different indices in $\frac{1}{4}$ reyyabey dam lake in Turkey. <i>Chemistry and Ecology</i> , 2023, 39, 153-172.	0.6	1
1428	Maternal Mercury Exposure and Hypertensive Disorders of Pregnancy: A Systematic Review. <i>Revista Brasileira De Ginecologia E Obstetricia</i> , 2022, 44, 1126-1133.	0.3	3

#	ARTICLE	IF	CITATIONS
1429	Engineering the Performance and Stability of Molybdenum Disulfide for Heavy Metal Removal. <i>ACS Applied Materials &amp; Interfaces</i> , 2023, 15, 6603-6611.	4.0	3
1430	A century of mercury: Ecosystem-wide changes drive increasing contamination of a tropical seabird species in the South Atlantic Ocean. <i>Environmental Pollution</i> , 2023, 323, 121187.	3.7	4
1431	KONSENTRASI MERKURI (Hg) DI SEDIMEN PERAIRAN CIREBON, JAWA BARAT PADA MUSIM PERALIHAN TIMUR. <i>Jurnal Ilmu Dan Teknologi Kelautan Tropis</i> , 2023, 14, 321-335.	0.1	0
1432	Synthesis of Triphenylamine Derivative and Its Recognition for Hg <sup>2+</sup> with OFF-ON Fluorescence Response Based on Aggregation-Induced Emission (AIE) Mechanism. <i>Chinese Journal of Organic Chemistry</i> , 2023, 43, 320.	0.6	0
1433	Potentially toxic elements (As, Cd, Cr, Hg, and Pb), their provenance and removal from potable and wastewaters. , 2023, , 137-182.		0
1434	Environmental air pollution: an anthropogenic or a natural issue?. , 2023, , 1-38.		1
1435	Mercury Contamination in Sediments and Fish from an Urban Tropical Estuary: Ecological and Human Health Risks. <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	1.1	5
1436	â€œTrojan Horseâ€-Type Internalization Increases the Bioavailability of Mercury Sulfide Nanoparticles and Methylation after Intracellular Dissolution. <i>ACS Nano</i> , 2023, 17, 1925-1934.	7.3	4
1437	Deposition and Reduction of Oxidized Mercury on the Ice Surface: Quantum-Chemical Study and Implication of Mercury Activities in the Arctic. <i>Journal of Physical Chemistry C</i> , 2023, 127, 2657-2665.	1.5	1
1438	How small can you go? Using a direct mercury analyzer to measure mercury in vibrissae of Steller sea lions. <i>Marine Mammal Science</i> , 0, , .	0.9	0
1439	Decoding the marine biogeochemical cycling of mercury by stable mercury isotopes. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 1935-1956.	6.6	3
1440	Trace mercury migration and human exposure in typical mercury-emission areas by compound-specific stable isotope analysis. <i>Environment International</i> , 2023, 174, 107891.	4.8	1
1441	Differentially-expressed genes related to glutathione metabolism and heavy metal transport reveals an adaptive, genotype-specific mechanism to Hg <sup>2+</sup> exposure in rice ( <i>Oryza sativa</i> L.). <i>Environmental Pollution</i> , 2023, 324, 121340.	3.7	3
1442	Mechanism and controlling factors on rapid methylmercury degradation by ligand-enhanced Fenton-like reaction at circumneutral pH. <i>Chemosphere</i> , 2023, 324, 138291.	4.2	2
1443	Characterizing variability in total mercury hair: blood ratio in the general Canadian population. <i>Environmental Research</i> , 2023, 224, 115491.	3.7	2
1444	Polyhedral MnSe microparticles with specific Hg <sup>2+</sup> -suppressed oxidase-like activity: Toward a green and low-cost turn-off method for Hg <sup>2+</sup> detection. <i>Sensors and Actuators B: Chemical</i> , 2023, 382, 133539.	4.0	7
1445	Capacity, stability and energy requirement of divalent mercury uptake by non-methylating/non-demethylating bacteria. <i>Journal of Hazardous Materials</i> , 2023, 450, 131074.	6.5	0
1446	Mercury accumulation potential of aquatic plant species in West Dongting Lake, China. <i>Environmental Pollution</i> , 2023, 324, 121313.	3.7	5

#	ARTICLE	IF	CITATIONS
1447	Sources and risk assessment of atmospheric Hg during the 2022 Beijing Olympic Winter Games. <i>Atmospheric Environment</i> , 2023, 302, 119718.	1.9	1
1448	Insight into the relationships between total suspended particles and mercury in meltwater in a typical glacierized basin in the inland Tibetan Plateau. <i>Journal of Hazardous Materials</i> , 2023, 452, 131250.	6.5	2
1449	Photoreduction of Hg(II) by typical dissolved organic matter in paddy environments. <i>Chemosphere</i> , 2023, 327, 138437.	4.2	2
1450	A heavy burden: Metal exposure across the land-ocean continuum in an adaptable carnivore. <i>Environmental Pollution</i> , 2023, 327, 121585.	3.7	4
1451	Mercury bioaccumulation in thresher sharks from the eastern tropical Pacific: Influences of body size, maturation stage, and feeding habitat. <i>Science of the Total Environment</i> , 2023, 872, 162248.	3.9	1
1452	Ground warming releases inorganic mercury and increases net methylmercury production in two boreal peatland types. <i>Frontiers in Environmental Science</i> , 0, 11, .	1.5	1
1453	Structural incorporation of iron influences biomethylation potential of mercury sulfide. <i>Geochimica Et Cosmochimica Acta</i> , 2023, 349, 115-125.	1.6	1
1454	Concentrations and biomagnification of multiple metals/metalloids are higher in rice than in sugarcane agroecosystems of southern China. <i>Ecological Indicators</i> , 2023, 150, 110266.	2.6	1
1455	Mercury biomagnification at higher rates than the global average in aquatic ecosystems of the Qinghai-Tibet Plateau. <i>Journal of Hazardous Materials</i> , 2023, 453, 131408.	6.5	5
1456	Mercury remediation potential of mercury-resistant strain <i>Rheinheimera metallidurans</i> sp. nov. isolated from a municipal waste dumping site. <i>Ecotoxicology and Environmental Safety</i> , 2023, 257, 114888.	2.9	4
1457	Portable AIE hydrogel sensor for rapid and visual field detection of heavy metal residue in food. <i>Dyes and Pigments</i> , 2023, 212, 111117.	2.0	6
1458	Mercury in multimedia system of Itacaiãnas Basin, Brazilian Amazon: An integrated approach to understand its distribution, origin, and ecological risk. <i>Environmental Research</i> , 2023, 232, 115107.	3.7	3
1459	Critical review on biogeochemical dynamics of mercury (Hg) and its abatement strategies. <i>Chemosphere</i> , 2023, 319, 137917.	4.2	22
1460	Mercury in wetlands over 60 years: Research progress and emerging trends. <i>Science of the Total Environment</i> , 2023, 869, 161862.	3.9	4
1461	Prenatal low-dose methylmercury exposure causes premature neuronal differentiation and autism-like behaviors in a rodent model. <i>IScience</i> , 2023, 26, 106093.	1.9	5
1462	Understanding lead and mercury adsorption by post-synthetically modified linkers in UiO-66 MOF. A computational theoretical study. <i>Molecular Simulation</i> , 2023, 49, 481-488.	0.9	1
1463	The Total Mercury Concentration in Organs of Eurasian Magpies ( <i>Pica pica</i> ) and Common Woodpigeons ( <i>Columba palumbus</i> ) from the Warsaw Municipal Area. <i>Animals</i> , 2023, 13, 575.	1.0	0
1464	Periconceptual maternal diet quality influences blood heavy metal concentrations and their effect on low birth weight: the Japan Environment and Children's Study. <i>Environment International</i> , 2023, 173, 107808.	4.8	5



#	ARTICLE	IF	CITATIONS
1467	Highly efficient capture of mercury from complex water matrices by AlZn alloy reduction–amalgamation and in situ layered double hydroxide. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 101-110.	0.0	0
1468	Heavy metals and arsenic in foodstuffs in the vicinity of industrial enterprises and nuclear power plant. <i>Cigiena I Sanitarii</i> , 2023, 102, 70-76.	0.1	0
1469	Organic Carbon Controls Mercury Distribution and Storage in the Surface Soils of the Water-Level-Fluctuation Zone in the Three Gorges Reservoir Region, China. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 3681.	1.2	0
1471	Estimates of volcanic mercury emissions from Redoubt Volcano, Augustine Volcano, and Mount Spurr eruption ash. <i>Frontiers in Earth Science</i> , 2023, 11, .	0.8	1
1472	Field Evidence for Asian Outflow and Fast Depletion of Total Gaseous Mercury in the Polluted Coastal Atmosphere. <i>Environmental Science &amp; Technology</i> , 2023, 57, 4101-4112.	4.6	2
1473	Mercury assessment in invasive Lionfish <i>Pterois</i> (Oken, 1817) from marine protected areas in the Colombian Caribbean. <i>Marine Pollution Bulletin</i> , 2023, 189, 114753.	2.3	0
1474	Trends in Nanostructured Sorbent Materials for Passive Sampling Applications. <i>Materials Horizons</i> , 2023, , 519-543.	0.3	0
1475	Heavy metal pollutants: The hidden pervasive threat to honey bees and other pollinators. <i>Advances in Insect Physiology</i> , 2023, , 255-288.	1.1	1
1476	Quantum Chemical Investigation of Snow–Mercury Interactions and Their Implication of Mercury Deposition in the Arctic. <i>Journal of Physical Chemistry A</i> , 2023, 127, 2554-2563.	1.1	0
1477	Preconcentration and Solid Phase Extraction of Trace Metal Ions by Chemically Modified Graphene Oxide Nanoconstructs. <i>Water (Switzerland)</i> , 2023, 15, 1121.	1.2	3
1478	Mercury-Modulated Immune Responses in Arctic Barnacle Goslings ( <i>Branta leucopsis</i> ) upon a Viral-Like Immune Challenge. <i>Environmental Science &amp; Technology</i> , 2023, 57, 5337-5348.	4.6	1
1479	Addressing chemical pollution in biodiversity research. <i>Global Change Biology</i> , 2023, 29, 3240-3255.	4.2	28
1480	Spatial distribution and risk assessments of mercury in topsoils of Central Asia. <i>Geoscience Frontiers</i> , 2023, 14, 101585.	4.3	1
1481	A synthesis of mercury research in the Southern Hemisphere, part 2: Anthropogenic perturbations. <i>Ambio</i> , 2023, 52, 918-937.	2.8	13
1482	Global mercury impact synthesis: Processes in the Southern Hemisphere. <i>Ambio</i> , 2023, 52, 827-832.	2.8	1
1483	A synthesis of mercury research in the Southern Hemisphere, part 1: Natural processes. <i>Ambio</i> , 2023, 52, 897-917.	2.8	7
1484	Association of mercury exposure with the serum high-sensitivity C-reactive protein level in Korean adults. <i>Frontiers in Public Health</i> , 2023, 11, .	1.3	4
1485	Antarctic heavy metal pollution and remediation efforts: state of the art of research and scientific publications. <i>Brazilian Journal of Microbiology</i> , 2023, 54, 2011-2026.	0.8	2

#	ARTICLE	IF	CITATIONS
1486	Electrophilicity modulated targeted luminescence of MOF-coated cotton composite for dual analyte detection in aqueous medium. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 2742-2753.	3.0	5
1487	One Pot Hydrothermal Synthesis and Application of Bright-yellow-emissive Carbon Quantum Dots in Hg <sup>2+</sup> Detection. <i>Journal of Fluorescence</i> , 0, , .	1.3	0
1488	Colorimetric detection of mercury (Hg <sup>2+</sup> ) using UV-Vis spectroscopy and digital image analysis based on gold nanoparticles functionalized with bromelain enzyme. <i>3 Biotech</i> , 2023, 13, .	1.1	1
1489	Mercury Content and Pools in Complex Polycyclic Soils From a Mountainous Area in Galicia (NW) Tj ETQq1 1 0.784314 rgBT 0 Overlock 1	0.0	0
1490	Mercury Removal from Concentrated Sulfuric Acid by Electrochemical Alloy Formation on Platinum. <i>ACS ES&amp;T Engineering</i> , 0, , .	3.7	1
1491	Environmental impact of potentially toxic elements on soils, sediments, waters, and air nearby an abandoned Hg-rich fahlore mine (Mt. Avanza, Carnic Alps, NE Italy). <i>Environmental Science and Pollution Research</i> , 2023, 30, 63754-63775.	2.7	4
1492	Fe/S Redox-Coupled Mercury Transformation Mediated by <i>Acidithiobacillus ferrooxidans</i> ATCC 23270 under Aerobic and/or Anaerobic Conditions. <i>Microorganisms</i> , 2023, 11, 1028.	1.6	1
1493	Gold Nanoparticles as Exquisite Colorimetric Transducers for Water Pollutant Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2023, 15, 19785-19806.	4.0	12
1494	An updated review of the salient geomedical aspects of mercury for enhancement of data quality in simulation modelling and other prognostic applications: Africa case descriptions. <i>Frontiers in Analytical Science</i> , 0, 3, .	1.1	2
1495	Spatial distribution of Hg in Pra River Basin, Southwestern Ghana using HF acid combination method. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	1.3	0
1496	Elevated methylmercury in Antarctic surface seawater: The role of phytoplankton mass and sea ice. <i>Science of the Total Environment</i> , 2023, 882, 163646.	3.9	4
1509	Metals and Metalloids. <i>Springer Textbooks in Earth Sciences, Geography and Environment</i> , 2023, , 101-127.	0.1	0
1516	In situ photo-on-demand phosgenation reactions with chloroform for syntheses of polycarbonates and polyurethanes. <i>Polymer Journal</i> , 2023, 55, 903-912.	1.3	4
1525	Mercury recycling technologies in its end-of-life management: a review. <i>Journal of Material Cycles and Waste Management</i> , 0, , .	1.6	1
1533	Analytical Methods, Occurrence, Fate, and Toxicity of Ethylmercury in the Environment: Review and Outlook. <i>Reviews of Environmental Contamination and Toxicology</i> , 2023, 261, .	0.7	1
1552	Chemical pollution and the ocean. , 2023, , 351-426.		0
1609	Global compendium of mercury-contaminated sites. , 2024, , 189-213.		0
1635	Detection of Mercury Ions Using PVP-Capped AgNPs for Wastewater Analysis. <i>Springer Proceedings in Materials</i> , 2024, , 383-388.	0.1	0

#	ARTICLE	IF	CITATIONS
1640	Remediation Strategies of Environmental Mercury: An Overview of Its Environmental Persistence, Associated Threats, and Health Impacts. Environmental Science and Engineering, 2023, , 235-247.	0.1	0
1644	Effect of Non-essential Heavy Metals on Human Health. ACS Symposium Series, 0, , 117-133.	0.5	0
1689	Mining Impacts on Aquatic Mammals of Brazilian Amazonia. , 2023, , 405-435.		0
1690	Legacy contaminants: Past, present, and future. , 2024, , .		0
1696	Applications of Different Treatment Technologies for Mercury Removal From Soil, Waste, and Water. Earth and Environmental Sciences Library, 2024, , 201-224.	0.3	0
1711	Gut microbiota as a mediator of the neurotoxicity of mercury. Advances in Neurotoxicology, 2024, , .	0.7	0