

# Xinbin Feng

## List of Publications by Year in descending order

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417  
papers

21,691  
citations

8181

76  
h-index

18647

119  
g-index

443  
all docs

443  
docs citations

443  
times ranked

9763  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Synthesis of Progress and Uncertainties in Attributing the Sources of Mercury in Deposition. <i>Ambio</i> , 2007, 36, 19-33.	5.5	711
2	Anthropogenic mercury emissions in China. <i>Atmospheric Environment</i> , 2005, 39, 7789-7806.	4.1	599
3	In Inland China, Rice, Rather than Fish, Is the Major Pathway for Methylmercury Exposure. <i>Environmental Health Perspectives</i> , 2010, 118, 1183-1188.	6.0	412
4	Human Exposure To Methylmercury through Rice Intake in Mercury Mining Areas, Guizhou Province, China. <i>Environmental Science &amp; Technology</i> , 2008, 42, 326-332.	10.0	394
5	Mercury pollution in Asia: A review of the contaminated sites. <i>Journal of Hazardous Materials</i> , 2009, 168, 591-601.	12.4	354
6	Unusual fractionation of both odd and even mercury isotopes in precipitation from Peterborough, ON, Canada. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 90, 33-46.	3.9	280
7	Bioaccumulation of Methylmercury versus Inorganic Mercury in Rice ( <i>Oryza sativa</i> L.) Grain. <i>Environmental Science &amp; Technology</i> , 2010, 44, 4499-4504.	10.0	260
8	Mercury pollution in Guizhou, Southwestern China – An overview. <i>Science of the Total Environment</i> , 2008, 400, 227-237.	8.0	253
9	Environmental contamination of heavy metals from zinc smelting areas in Hezhang County, western Guizhou, China. <i>Environment International</i> , 2006, 32, 883-890.	10.0	243
10	Methylmercury Accumulation in Rice ( <i>Oryza sativa</i> L.) Grown at Abandoned Mercury Mines in Guizhou, China. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 2465-2468.	5.2	226
11	The Process of Methylmercury Accumulation in Rice ( <i>Oryza sativa</i> L.). <i>Environmental Science &amp; Technology</i> , 2011, 45, 2711-2717.	10.0	216
12	A kinetic study of the gas-phase reaction between the hydroxyl radical and atomic mercury. <i>Atmospheric Environment</i> , 2001, 35, 3049-3054.	4.1	214
13	Remediation of mercury contaminated sites – A review. <i>Journal of Hazardous Materials</i> , 2012, 221-222, 1-18.	12.4	214
14	Mercury and methylmercury in riparian soil, sediments, mine-waste calcines, and moss from abandoned Hg mines in east Guizhou province, southwestern China. <i>Applied Geochemistry</i> , 2005, 20, 627-638.	3.0	212
15	Selenium Characterization in the Global Rice Supply Chain. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6024-6030.	10.0	191
16	A review of studies on atmospheric mercury in China. <i>Science of the Total Environment</i> , 2012, 421-422, 73-81.	8.0	188
17	Atmospheric mercury concentrations observed at ground-based monitoring sites globally distributed in the framework of the GMOS network. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11915-11935.	4.9	185
18	Distribution Patterns of Inorganic Mercury and Methylmercury in Tissues of Rice ( <i>Oryza sativa</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2010, 58, 4951-4958.	5.2	183

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19	Challenges and opportunities for managing aquatic mercury pollution in altered landscapes. <i>Ambio</i> , 2018, 47, 141-169.	5.5	183
20	Stable Mercury Isotope Variation in Rice Plants ( <i>Oryza sativa</i> L.) from the Wanshan Mercury Mining District, SW China. <i>Environmental Science &amp; Technology</i> , 2013, 47, 2238-2245.	10.0	179
21	Environmental contamination of mercury from Hg-mining areas in Wuchuan, northeastern Guizhou, China. <i>Environmental Pollution</i> , 2006, 142, 549-558.	7.5	162
22	Methylmercury Exposure and Health Effects from Rice and Fish Consumption: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2010, 7, 2666-2691.	2.6	157
23	Oxidation and methylation of dissolved elemental mercury by anaerobic bacteria. <i>Nature Geoscience</i> , 2013, 6, 751-754.	12.9	155
24	Observations of atmospheric mercury in China: a critical review. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9455-9476.	4.9	152
25	Tracing Mercury Contamination Sources in Sediments Using Mercury Isotope Compositions. <i>Environmental Science &amp; Technology</i> , 2010, 44, 3363-3368.	10.0	149
26	The potential of wastewater-based epidemiology as surveillance and early warning of infectious disease outbreaks. <i>Current Opinion in Environmental Science and Health</i> , 2020, 17, 1-7.	4.1	147
27	Mass-Dependent and -Independent Fractionation of Mercury Isotope during Gas-Phase Oxidation of Elemental Mercury Vapor by Atomic Cl and Br. <i>Environmental Science &amp; Technology</i> , 2016, 50, 9232-9241.	10.0	143
28	Isotopic Composition of Atmospheric Mercury in China: New Evidence for Sources and Transformation Processes in Air and in Vegetation. <i>Environmental Science &amp; Technology</i> , 2016, 50, 9262-9269.	10.0	139
29	Re-evaluation of distillation and comparison with HNO <sub>3</sub> leaching/solvent extraction for isolation of methylmercury compounds from sediment/soil samples. <i>Applied Organometallic Chemistry</i> , 2004, 18, 264-270.	3.5	133
30	Distributions, sources and pollution status of 17 trace metal/metalloids in the street dust of a heavily industrialized city of central China. <i>Environmental Pollution</i> , 2013, 182, 408-416.	7.5	131
31	Assessment of Global Mercury Deposition through Litterfall. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8548-8557.	10.0	131
32	Allocation and source attribution of lead and cadmium in maize ( <i>Zea mays</i> L.) impacted by smelting emissions. <i>Environmental Pollution</i> , 2009, 157, 834-839.	7.5	130
33	Comprehensive review of the basic chemical behaviours, sources, processes, and endpoints of trace element contamination in paddy soil-rice systems in rice-growing countries. <i>Journal of Hazardous Materials</i> , 2020, 397, 122720.	12.4	127
34	Total gaseous mercury concentrations in ambient air in the eastern slope of Mt. Gongga, South-Eastern fringe of the Tibetan plateau, China. <i>Atmospheric Environment</i> , 2008, 42, 970-979.	4.1	126
35	Selenium in Soil Inhibits Mercury Uptake and Translocation in Rice ( <i>Oryza sativa</i> L.). <i>Environmental Science &amp; Technology</i> , 2012, 46, 10040-10046.	10.0	126
36	Oxidation of atomic mercury by hydroxyl radicals and photoinduced decomposition of methylmercury in the aqueous phase. <i>Atmospheric Environment</i> , 2001, 35, 3039-3047.	4.1	120

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37	Localization and Speciation of Mercury in Brown Rice with Implications for Pan-Asian Public Health. <i>Environmental Science &amp; Technology</i> , 2014, 48, 7974-7981.	10.0	120
38	Speciated atmospheric mercury and its potential source in Guiyang, China. <i>Atmospheric Environment</i> , 2011, 45, 4205-4212.	4.1	118
39	Mercury speciation and mercury isotope fractionation during ore roasting process and their implication to source identification of downstream sediment in the Wanshan mercury mining area, SW China. <i>Chemical Geology</i> , 2013, 336, 72-79.	3.3	115
40	Atmospheric mercury in Changbai Mountain area, northeastern China I. The seasonal distribution pattern of total gaseous mercury and its potential sources. <i>Environmental Research</i> , 2009, 109, 201-206.	7.5	114
41	Health risks of heavy metal exposure through vegetable consumption near a large-scale Pb/Zn smelter in central China. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 99-110.	6.0	114
42	Mercury methylation in rice paddies and its possible controlling factors in the Hg mining area, Guizhou province, Southwest China. <i>Environmental Pollution</i> , 2016, 215, 1-9.	7.5	111
43	Temporal variation of total gaseous mercury in the air of Guiyang, China. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	109
44	Distribution and wet deposition fluxes of total and methyl mercury in Wujiang River Basin, Guizhou, China. <i>Atmospheric Environment</i> , 2008, 42, 7096-7103.	4.1	107
45	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.	10.0	107
46	Stable Isotope Evidence Shows Re-emission of Elemental Mercury Vapor Occurring after Reductive Loss from Foliage. <i>Environmental Science &amp; Technology</i> , 2019, 53, 651-660.	10.0	107
47	Mercury in the marine boundary layer and seawater of the South China Sea: Concentrations, sea/air flux, and implication for land outflow. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	104
48	Elevated atmospheric deposition and dynamics of mercury in a remote upland forest of southwestern China. <i>Environmental Pollution</i> , 2010, 158, 2324-2333.	7.5	102
49	Using Mercury Isotopes To Understand Mercury Accumulation in the Montane Forest Floor of the Eastern Tibetan Plateau. <i>Environmental Science &amp; Technology</i> , 2017, 51, 801-809.	10.0	102
50	A preliminary study on mercury contamination to the environment from artisanal zinc smelting using indigenous methods in Hezhang County, Guizhou, China: Part 2. Mercury contaminations to soil and crop. <i>Science of the Total Environment</i> , 2006, 368, 47-55.	8.0	101
51	Global observations and modeling of atmosphere–surface exchange of elemental mercury: a critical review. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4451-4480.	4.9	101
52	Total gaseous mercury in the atmosphere of Guiyang, PR China. <i>Science of the Total Environment</i> , 2003, 304, 61-72.	8.0	100
53	New Insights into Traditional Health Risk Assessments of Mercury Exposure: Implications of Selenium. <i>Environmental Science &amp; Technology</i> , 2014, 48, 1206-1212.	10.0	100
54	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2002, 139, 311-324.	2.4	97

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55	Application of the stable-isotope system to the study of sources and fate of Hg in the environment: A review. <i>Applied Geochemistry</i> , 2010, 25, 1467-1477.	3.0	96
56	Mercury and other metal and metalloid soil contamination near a Pb/Zn smelter in east Hunan province, China. <i>Applied Geochemistry</i> , 2011, 26, 160-166.	3.0	96
57	Mercury distributions and mercury isotope signatures in sediments of Dongjiang, the Pearl River Delta, China. <i>Chemical Geology</i> , 2011, 287, 81-89.	3.3	95
58	Measure-Specific Effectiveness of Air Pollution Control on China's Atmospheric Mercury Concentration and Deposition during 2013-2017. <i>Environmental Science &amp; Technology</i> , 2019, 53, 8938-8946.	10.0	95
59	Total gaseous mercury exchange between air and water at river and sea surfaces in Swedish coastal regions. <i>Atmospheric Environment</i> , 2001, 35, 3027-3038.	4.1	94
60	A preliminary study on mercury contamination to the environment from artisanal zinc smelting using indigenous methods in Hezhang county, Guizhou, China—Part 1: mercury emission from zinc smelting and its influences on the surface waters. <i>Atmospheric Environment</i> , 2004, 38, 6223-6230.	4.1	94
61	Ammonium thiosulphate enhanced phytoextraction from mercury contaminated soil – Results from a greenhouse study. <i>Journal of Hazardous Materials</i> , 2011, 186, 119-127.	12.4	94
62	Mercury exposure in the population from Wuchuan mercury mining area, Guizhou, China. <i>Science of the Total Environment</i> , 2008, 395, 72-79.	8.0	92
63	Rice consumption contributes to low level methylmercury exposure in southern China. <i>Environment International</i> , 2012, 49, 18-23.	10.0	92
64	Characteristics of mercury exchange flux between soil and air in the heavily air-polluted area, eastern Guizhou, China. <i>Atmospheric Environment</i> , 2007, 41, 5584-5594.	4.1	90
65	Atmospheric mercury in Changbai Mountain area, northeastern China II. The distribution of reactive gaseous mercury and particulate mercury and mercury deposition fluxes. <i>Environmental Research</i> , 2009, 109, 721-727.	7.5	88
66	Mercury cycling in a flooded rice paddy. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	85
67	Mercury isotope variations between bioavailable mercury fractions and total mercury in mercury contaminated soil in Wanshan Mercury Mine, SW China. <i>Chemical Geology</i> , 2013, 336, 80-86.	3.3	85
68	Assessment of environmental mercury discharge at a four-year-old artisanal gold mining area on Lombok Island, Indonesia. <i>Journal of Environmental Monitoring</i> , 2012, 14, 2598.	2.1	83
69	Insights into low fish mercury bioaccumulation in a mercury-contaminated reservoir, Guizhou, China. <i>Environmental Pollution</i> , 2012, 160, 109-117.	7.5	83
70	Examination of total mercury inputs by precipitation and litterfall in a remote upland forest of Southwestern China. <i>Atmospheric Environment</i> , 2013, 81, 364-372.	4.1	83
71	Efficient removal of Cd(II) from aqueous solution by pinecone biochar: Sorption performance and governing mechanisms. <i>Environmental Pollution</i> , 2020, 265, 115001.	7.5	83
72	Total particulate and reactive gaseous mercury in ambient air on the eastern slope of the Mt. Gongga area, China. <i>Applied Geochemistry</i> , 2008, 23, 408-418.	3.0	82

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73	Depletion of atmospheric gaseous elemental mercury by plant uptake at Mt. Changbai, Northeast China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12861-12873.	4.9	82
74	The impact of eutrophication on the biogeochemical cycling of mercury species in a reservoir: A case study from Hongfeng Reservoir, Guizhou, China. <i>Environmental Pollution</i> , 2008, 154, 56-67.	7.5	81
75	Characterization of mercury species in brown and white rice ( <i>Oryza sativa</i> L.) grown in water-saving paddies. <i>Environmental Pollution</i> , 2011, 159, 1283-1289.	7.5	81
76	Climate and Vegetation As Primary Drivers for Global Mercury Storage in Surface Soil. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10665-10675.	10.0	81
77	Release flux of mercury from different environmental surfaces in Chongqing, China. <i>Chemosphere</i> , 2006, 64, 1845-1854.	8.2	80
78	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.	3.0	80
79	Total gaseous mercury emissions from soil in Guiyang, Guizhou, China. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	79
80	Seasonal variation of gaseous mercury exchange rate between air and water surface over Baihua reservoir, Guizhou, China. <i>Atmospheric Environment</i> , 2004, 38, 4721-4732.	4.1	78
81	Mercury pollution from artisanal mercury mining in Tongren, Guizhou, China. <i>Applied Geochemistry</i> , 2008, 23, 2055-2064.	3.0	78
82	Prediction of Methyl Mercury Uptake by Rice Plants ( <i>Oryza sativa</i> L.) Using the Diffusive Gradient in Thin Films Technique. <i>Environmental Science &amp; Technology</i> , 2012, 46, 11013-11020.	10.0	78
83	Mercury Reduction and Cell-Surface Adsorption by <i>Geobacter sulfurreducens</i> PCA. <i>Environmental Science &amp; Technology</i> , 2013, 47, 10922-10930.	10.0	78
84	Mercury distribution and speciation in water and fish from abandoned Hg mines in Wanshan, Guizhou province, China. <i>Science of the Total Environment</i> , 2009, 407, 5162-5168.	8.0	76
85	Multi-model study of mercury dispersion in the atmosphere: atmospheric processes and model evaluation. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 5271-5295.	4.9	76
86	Biogenesis of Mercury–Sulfur Nanoparticles in Plant Leaves from Atmospheric Gaseous Mercury. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3935-3948.	10.0	75
87	How closely do mercury trends in fish and other aquatic wildlife track those in the atmosphere? Implications for evaluating the effectiveness of the Minamata Convention. <i>Science of the Total Environment</i> , 2019, 674, 58-70.	8.0	75
88	Degradation of Methylmercury and Its Effects on Mercury Distribution and Cycling in the Florida Everglades. <i>Environmental Science &amp; Technology</i> , 2010, 44, 6661-6666.	10.0	74
89	Identification of fractions of mercury in water, soil and sediment from a typical Hg mining area in Wanshan, Guizhou province, China. <i>Applied Geochemistry</i> , 2010, 25, 60-68.	3.0	74
90	Trends and advances in mercury stable isotopes as a geochemical tracer. <i>Trends in Environmental Analytical Chemistry</i> , 2014, 2, 1-10.	10.3	74

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91	Recent progress in Fenton/Fenton-like reactions for the removal of antibiotics in aqueous environments. <i>Ecotoxicology and Environmental Safety</i> , 2022, 236, 113464.	6.0	74
92	Gold mining related mercury contamination in Tongguan, Shaanxi Province, PR China. <i>Applied Geochemistry</i> , 2006, 21, 1955-1968.	3.0	73
93	Mercury contaminations from historic mining to water, soil and vegetation in Lanmuchang, Guizhou, southwestern China. <i>Science of the Total Environment</i> , 2006, 368, 56-68.	8.0	72
94	Implications of Mercury Speciation in Thiosulfate Treated Plants. <i>Environmental Science &amp; Technology</i> , 2012, 46, 5361-5368.	10.0	72
95	Mercury methylation in paddy soil: source and distribution of mercury species at a Hg mining area, Guizhou Province, China. <i>Biogeosciences</i> , 2016, 13, 2429-2440.	3.3	72
96	Ultrasensitive Speciation Analysis of Mercury in Rice by Headspace Solid Phase Microextraction Using Porous Carbons and Gas Chromatography-Dielectric Barrier Discharge Optical Emission Spectrometry. <i>Environmental Science &amp; Technology</i> , 2016, 50, 2468-2476.	10.0	72
97	Isotopic evidence for distinct sources of mercury in lake waters and sediments. <i>Chemical Geology</i> , 2016, 426, 33-44.	3.3	72
98	Mercury pollution in Wuchuan mercury mining area, Guizhou, Southwestern China: The impacts from large scale and artisanal mercury mining. <i>Environment International</i> , 2012, 42, 59-66.	10.0	71
99	Mass-dependent and mass-independent fractionation of mercury isotopes in precipitation from Guiyang, SW China. <i>Comptes Rendus - Geoscience</i> , 2015, 347, 358-367.	1.2	71
100	Mercury speciation and emissions from coal combustion in Guiyang, southwest China. <i>Environmental Research</i> , 2007, 105, 175-182.	7.5	70
101	Heavy metals in an impacted wetland system: A typical case from southwestern China. <i>Science of the Total Environment</i> , 2007, 387, 257-268.	8.0	69
102	Inorganic mercury accumulation in rice ( <i>Oryza sativa</i> L.). <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 2093-2098.	4.3	69
103	Mercury flow through an Asian rice-based food web. <i>Environmental Pollution</i> , 2017, 229, 219-228.	7.5	69
104	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.	4.9	69
105	Temporal and spatial distributions of total gaseous mercury concentrations in ambient air in a mountainous area in southwestern China: Implications for industrial and domestic mercury emissions in remote areas in China. <i>Science of the Total Environment</i> , 2009, 407, 2306-2314.	8.0	67
106	Environment and genotype controls on mercury accumulation in rice ( <i>Oryza sativa</i> L.) cultivated along a contamination gradient in Guizhou, China. <i>Science of the Total Environment</i> , 2012, 426, 272-280.	8.0	67
107	Mercury Stable Isotopic Compositions in Coals from Major Coal Producing Fields in China and Their Geochemical and Environmental Implications. <i>Environmental Science &amp; Technology</i> , 2014, 48, 5565-5574.	10.0	67
108	Analysis of inorganic mercury species associated with airborne particulate matter/aerosols: method development. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 380, 683-689.	3.7	66



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109	Mercury exposures and symptoms in smelting workers of artisanal mercury mines in Wuchuan, Guizhou, China. <i>Environmental Research</i> , 2008, 107, 108-114.	7.5	66
110	Mercury Isotopes as Proxies to Identify Sources and Environmental Impacts of Mercury in Sphalerites. <i>Scientific Reports</i> , 2016, 6, 18686.	3.3	66
111	Mercury methylation in rice paddy and accumulation in rice plant: A review. <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110462.	6.0	66
112	Accumulation and translocation of <sup>198</sup> Hg in four crop species. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 334-340.	4.3	65
113	Human Body Burden and Dietary Methylmercury Intake: The Relationship in a Rice-Consuming Population. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9682-9689.	10.0	65
114	Observation and analysis of speciated atmospheric mercury in Shangri-La, Tibetan Plateau, China. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 653-665.	4.9	64
115	Mitigation of mercury accumulation in rice using rice hull-derived biochar as soil amendment: A field investigation. <i>Journal of Hazardous Materials</i> , 2020, 388, 121747.	12.4	64
116	Environmental mercury contamination of an artisanal zinc smelting area in Weining County, Guizhou, China. <i>Environmental Pollution</i> , 2008, 154, 21-31.	7.5	61
117	Isotopic composition for source identification of mercury in atmospheric fine particles. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11773-11786.	4.9	61
118	Anomalous mercury enrichment in Early Cambrian black shales of South China: Mercury isotopes indicate a seawater source. <i>Chemical Geology</i> , 2017, 467, 159-167.	3.3	61
119	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.	10.0	61
120	Emission-dominated gas exchange of elemental mercury vapor over natural surfaces in China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11125-11143.	4.9	60
121	Domestic and Transboundary Sources of Atmospheric Particulate Bound Mercury in Remote Areas of China: Evidence from Mercury Isotopes. <i>Environmental Science &amp; Technology</i> , 2019, 53, 1947-1957.	10.0	59
122	Use of Mercury Isotopes to Quantify Mercury Exposure Sources in Inland Populations, China. <i>Environmental Science &amp; Technology</i> , 2018, 52, 5407-5416.	10.0	58
123	Underestimated Sink of Atmospheric Mercury in a Deglaciaded Forest Chronosequence. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8083-8093.	10.0	58
124	Estimation of mercury emission from different sources to atmosphere in Chongqing, China. <i>Science of the Total Environment</i> , 2006, 366, 722-728.	8.0	57
125	Mercury pollution in fish from South China Sea: Levels, species-specific accumulation, and possible sources. <i>Environmental Research</i> , 2014, 131, 160-164.	7.5	57
126	Distribution and geochemical speciation of soil mercury in Wanshan Hg mine: Effects of cultivation. <i>Geoderma</i> , 2016, 272, 32-38.	5.1	57



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127	Mercury concentrations and air/soil fluxes in Wuchuan mercury mining district, Guizhou province, China. <i>Atmospheric Environment</i> , 2007, 41, 5984-5993.	4.1	56
128	Describing the toxicity and sources and the remediation technologies for mercury-contaminated soil. <i>RSC Advances</i> , 2020, 10, 23221-23232.	3.6	56
129	Human inorganic mercury exposure, renal effects and possible pathways in Wanshan mercury mining area, China. <i>Environmental Research</i> , 2015, 140, 198-204.	7.5	55
130	Enhanced accumulation and storage of mercury on subtropical evergreen forest floor: Implications on mercury budget in global forest ecosystems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2096-2109.	3.0	55
131	Significant Seasonal Variations in Isotopic Composition of Atmospheric Total Gaseous Mercury at Forest Sites in China Caused by Vegetation and Mercury Sources. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13748-13756.	10.0	55
132	Atmospheric wet and litterfall mercury deposition at urban and rural sites in China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11547-11562.	4.9	54
133	Mercury contents in rice and potential health risks across China. <i>Environment International</i> , 2019, 126, 406-412.	10.0	54
134	Environmental geochemistry of an active Hg mine in Xunyang, Shaanxi Province, China. <i>Applied Geochemistry</i> , 2012, 27, 2280-2288.	3.0	53
135	Rare earth elements in street dust and associated health risk in a municipal industrial base of central China. <i>Environmental Geochemistry and Health</i> , 2017, 39, 1469-1486.	3.4	53
136	Exchange fluxes of Hg between surfaces and atmosphere in the eastern flank of Mount Gongga, Sichuan province, southwestern China. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	52
137	Understanding the paradox of selenium contamination in mercury mining areas: High soil content and low accumulation in rice. <i>Environmental Pollution</i> , 2014, 188, 27-36.	7.5	52
138	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.	10.0	52
139	Geochemical processes of mercury in Wujiangdu and Dongfeng reservoirs, Guizhou, China. <i>Environmental Pollution</i> , 2009, 157, 2970-2984.	7.5	51
140	Global Mercury Emissions to the Atmosphere from Natural and Anthropogenic Sources. , 2009, , 1-47.		51
141	Fractionation, distribution and transport of mercury in rivers and tributaries around Wanshan Hg mining district, Guizhou province, southwestern China: Part 1 “ Total mercury. <i>Applied Geochemistry</i> , 2010, 25, 633-641.	3.0	51
142	Global warming accelerates uptake of atmospheric mercury in regions experiencing glacier retreat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2049-2055.	7.1	51
143	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.	8.0	50
144	Atmospheric mercury species measured in Guiyang, Guizhou province, southwest China. <i>Atmospheric Research</i> , 2011, 100, 93-102.	4.1	49

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145	Novel Dynamic Flux Chamber for Measuring Air–Surface Exchange of Hg <sup>0</sup> from Soils. <i>Environmental Science &amp; Technology</i> , 2012, 46, 8910-8920.	10.0	49
146	A compilation of field surveys on gaseous elemental mercury (GEM) from contrasting environmental settings in Europe, South America, South Africa and China: separating fads from facts. <i>Environmental Geochemistry and Health</i> , 2014, 36, 713-734.	3.4	49
147	The local impact of a coal-fired power plant on inorganic mercury and methyl-mercury distribution in rice ( <i>Oryza sativa</i> L.). <i>Environmental Pollution</i> , 2017, 223, 11-18.	7.5	49
148	Re-emission of legacy mercury from soil adjacent to closed point sources of Hg emission. <i>Environmental Pollution</i> , 2018, 242, 718-727.	7.5	49
149	The variations of mercury in sediment profiles from a historically mercury-contaminated reservoir, Guizhou province, China. <i>Science of the Total Environment</i> , 2008, 407, 497-506.	8.0	48
150	Actual mercury speciation and mercury discharges from coal-fired power plants in Inner Mongolia, Northern China. <i>Fuel</i> , 2016, 180, 194-204.	6.4	48
151	Atmospheric mercury emission from artisanal mercury mining in Guizhou Province, Southwestern China. <i>Atmospheric Environment</i> , 2009, 43, 2247-2251.	4.1	47
152	Mercury vapor air–surface exchange measured by collocated micrometeorological and enclosure methods – Part I: Data comparability and method characteristics. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 685-702.	4.9	47
153	Landfill is an important at-mospheric mercury emission source. <i>Science Bulletin</i> , 2004, 49, 2068.	1.7	46
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156	Atmospheric gaseous elemental mercury in downtown Toronto. <i>Atmospheric Environment</i> , 2006, 40, 4016-4024.	4.1	45
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158	Speciation of methylmercury in rice grown from a mercury mining area. <i>Environmental Pollution</i> , 2010, 158, 3103-3107.	7.5	45
159	Large Variation of Mercury Isotope Composition During a Single Precipitation Event at Lhasa City, Tibetan Plateau, China. <i>Procedia Earth and Planetary Science</i> , 2015, 13, 282-286.	0.6	45
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161	Nanoactivated Carbon Reduces Mercury Mobility and Uptake by <i>Oryza sativa</i> L.: Mechanistic Investigation Using Spectroscopic and Microscopic Techniques. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2698-2706.	10.0	45
162	Horizontal and vertical variability of mercury species in pore water and sediments in small lakes in Ontario. <i>Science of the Total Environment</i> , 2007, 386, 53-64.	8.0	44

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164	Mobilization, Methylation, and Demethylation of Mercury in a Paddy Soil Under Systematic Redox Changes. <i>Environmental Science &amp; Technology</i> , 2021, 55, 10133-10141.	10.0	44
165	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.	10.0	43
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167	Methanogenesis Is an Important Process in Controlling MeHg Concentration in Rice Paddy Soils Affected by Mining Activities. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13517-13526.	10.0	43
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173	Assessment of mercury erosion by surface water in Wanshan mercury mining area. <i>Environmental Research</i> , 2013, 125, 2-11.	7.5	40
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178	Thiosulphate-induced mercury accumulation by plants: metal uptake and transformation of mercury fractionation in soil - results from a field study. <i>Plant and Soil</i> , 2014, 375, 21-33.	3.7	39
179	Rare earth elements in parasol mushroom <i>Macrolepota procera</i> . <i>Food Chemistry</i> , 2017, 221, 24-28.	8.2	39
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