Xuejun Wang

List of Publications by Year
in descending order

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88	2,983	136885	189801
papers	citations	32 h-index	50 g-index

93	93	93	2938
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Decline in Chinese lake phosphorus concentration accompanied by shift in sources since 2006. Nature Geoscience, 2017, 10, 507-511.	5.4	236
2	Improvement in municipal wastewater treatment alters lake nitrogen to phosphorus ratios in populated regions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11566-11572.	3.3	141
3	Trans-provincial health impacts of atmospheric mercury emissions in China. Nature Communications, 2019, 10, 1484.	5.8	126
4	Rivers as the largest source of mercury to coastal oceans worldwide. Nature Geoscience, 2021, 14, 672-677.	5.4	107
5	Estimation of nutrient discharge from the Yangtze River to the East China Sea and the identification of nutrient sources. Journal of Hazardous Materials, 2017, 321, 728-736.	6.5	98
6	Nutrient Loads Flowing into Coastal Waters from the Main Rivers of China (2006â€“2012). Scientific Reports, 2015, 5, 16678.	1.6	95
7	A review of air pollution impact on subjective well-being: Survey versus visual psychophysics. Journal of Cleaner Production, 2018, 184, 959-968.	4.6	91
8	Ecological risk assessment of the increasing use of the neonicotinoid insecticides along the east coast of China. Environment International, 2019, 127, 550-557.	4.8	90
9	Resolution of the Ongoing Challenge of Estimating Nonpoint Source Neonicotinoid Pollution in the Yangtze River Basin Using a Modified Mass Balance Approach. Environmental Science & Technology, 2019, 53, 2539-2548.	4.6	88
10	Rice life cycle-based global mercury biotransport and human methylmercury exposure. Nature Communications, 2019, 10, 5164.	5.8	84
11	Seasonal Pattern of Nutrient Limitation in a Eutrophic Lake and Quantitative Analysis of the Impacts from Internal Nutrient Cycling. Environmental Science & Technology, 2019, 53, 13675-13686.	4.6	70
12	Mercury Export from Mainland China to Adjacent Seas and Its Influence on the Marine Mercury Balance. Environmental Science & Technology, 2016, 50, 6224-6232.	4.6	68
13	Impacts of farmed fish consumption and food trade on methylmercury exposure in China. Environment International, 2018, 120, 333-344.	4.8	65
14	Increases of Total Mercury and Methylmercury Releases from Municipal Sewage into Environment in China and Implications. Environmental Science & Technology, 2018, 52, 124-134.	4.6	64
15	Control of both PM2.5 and O3 in Beijing-Tianjin-Hebei and the surrounding areas. Atmospheric Environment, 2020, 224, 117259.	1.9	63
16	High-resolution vehicle emission inventory and emission control policy scenario analysis, a case in the Beijing-Tianjin-Hebei (BTH) region, China. Journal of Cleaner Production, 2018, 203, 530-539.	4.6	62
17	Mercury Release to Aquatic Environments from Anthropogenic Sources in China from 2001 to 2012. Environmental Science & Technology, 2016, 50, 8169-8177.	4.6	53
18	A psychophysical measurement on subjective well-being and air pollution. Nature Communications, 2019, 10, 5473.	5.8	50

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19	Dissolved Black Carbon Facilitates Photoreduction of Hg(II) to Hg(0) and Reduces Mercury Uptake by Lettuce (Lactuca sativa L.). Environmental Science & Technology, 2020, 54, 11137-11145.	4.6	46
20	Trade-Induced Atmospheric Mercury Deposition over China and Implications for Demand-Side Controls. Environmental Science & Technology, 2018, 52, 2036-2045.	4.6	45
21	Characteristics of CO2 and atmospheric pollutant emissions from Chinaâ€™s cement industry: A life-cycle perspective. Journal of Cleaner Production, 2021, 282, 124533.	4.6	45
22	Impacts of water residence time on nitrogen budget of lakes and reservoirs. Science of the Total Environment, 2019, 646, 75-83.	3.9	44
23	Multi-year monitoring of atmospheric total gaseous mercury at a remote high-altitude site (Nam Co,) Tj ETQq1 1 0.784314 rgBT /Over 10557-10574.	1.9	42
24	The impact of environmental protection tax on sectoral and spatial distribution of air pollution emissions in China. Environmental Research Letters, 2019, 14, 054013.	2.2	41
25	Impacts of supply and consumption structure on the mercury emission in China: An input-output analysis based assessment. Journal of Cleaner Production, 2018, 170, 96-107.	4.6	37
26	Characterization of atmospheric mercury concentrations along an urbanâ€“rural gradient using a newly developed passive sampler. Atmospheric Environment, 2012, 47, 26-32.	1.9	36
27	Impact of Water-Induced Soil Erosion on the Terrestrial Transport and Atmospheric Emission of Mercury in China. Environmental Science & Technology, 2018, 52, 6945-6956.	4.6	36
28	Sources and transport of methylmercury in the Yangtze River and the impact of the Three Gorges Dam. Water Research, 2019, 166, 115042.	5.3	36
29	The impact of the Three Gorges Dam on the fate of metal contaminants across the riverâ€“ocean continuum. Water Research, 2020, 185, 116295.	5.3	36
30	Mercury emissions from waste combustion in China from 2004 to 2010. Atmospheric Environment, 2012, 62, 359-366.	1.9	35
31	A WRF-Chem model-based future vehicle emission control policy simulation and assessment for the Beijing-Tianjin-Hebei region, China. Journal of Environmental Management, 2020, 253, 109751.	3.8	35
32	Low-Level Prenatal Mercury Exposure in North China: An Exploratory Study of Anthropometric Effects. Environmental Science & Technology, 2015, 49, 6899-6908.	4.6	34
33	Emission of Metals from Pelletized and Uncompressed Biomass Fuels Combustion in Rural Household Stoves in China. Scientific Reports, 2014, 4, 5611.	1.6	33
34	Comparison of heterogeneous photolytic reduction of Hg(II) in the coal fly ashes and synthetic aerosols. Atmospheric Research, 2014, 138, 324-329.	1.8	32
35	First field-based atmospheric observation of the reduction of reactive mercury driven by sunlight. Atmospheric Environment, 2016, 134, 27-39.	1.9	28
36	Behavior of mercury in an urban river and its accumulation in aquatic plants. Environmental Earth Sciences, 2013, 68, 1089-1097.	1.3	27

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37	Rapid Increase in the Lateral Transport of Trace Elements Induced by Soil Erosion in Major Karst Regions in China. Environmental Science & Technology, 2019, 53, 4206-4214.	4.6	27
38	Highâ€resolution inventory of mercury emissions from biomass burning in China for 2000â€“2010 and a projection for 2020. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,248.	1.2	25
39	Historical and future trends in global source-receptor relationships of mercury. Science of the Total Environment, 2018, 610-611, 24-31.	3.9	24
40	Occurrence and Fate of Heavy Metals in Municipal Wastewater in Heilongjiang Province, China: A Monthly Reconnaissance from 2015 to 2017. Water (Switzerland), 2020, 12, 728.	1.2	24
41	First measurement of atmospheric mercury species in Qomolangma Natural Nature Preserve, Tibetan Plateau, and evidence oftransboundary pollutant invasion. Atmospheric Chemistry and Physics, 2019, 19, 1373-1391.	1.9	23
42	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
43	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
44	Associations of methylmercury and inorganic mercury between human cord blood and maternal blood: A meta-analysis and its application. Environmental Pollution, 2014, 191, 25-30.	3.7	21
45	A decline in Arctic Ocean mercury suggested by differences in decadal trends of atmospheric mercury between the Arctic and northern midlatitudes. Geophysical Research Letters, 2015, 42, 6076-6083.	1.5	21
46	Atmospheric photolytic reduction of Hg(ii) in dry aerosols. Environmental Sciences: Processes and Impacts, 2013, 15, 1883.	1.7	20
47	Rapid Increase in Chinaâ€™s Industrial Ammonia Emissions: Evidence from Unit-Based Mapping. Environmental Science & Technology, 2022, 56, 3375-3385.	4.6	20
48	Tracing the Uncertain Chinese Mercury Footprint within the Global Supply Chain Using a Stochastic, Nested Inputâ€“Output Model. Environmental Science & Technology, 2019, 53, 6814-6823.	4.6	18
49	Transport of mercury in a regulated high-sediment river and its input to marginal seas. Water Research, 2022, 214, 118211.	5.3	18
50	Influence of meteorological factors on the atmospheric mercury measurement by a novel passive sampler. Atmospheric Environment, 2014, 97, 310-315.	1.9	17
51	Mercury risk assessment combining internal and external exposure methods for a population living near a municipal solid waste incinerator. Environmental Pollution, 2016, 219, 1060-1068.	3.7	17
52	Traditional Tibetan Medicine Induced High Methylmercury Exposure Level and Environmental Mercury Burden in Tibet, China. Environmental Science & Technology, 2018, 52, 8838-8847.	4.6	17
53	Recent Decline of Atmospheric Mercury Recorded by Androsace tapete on the Tibetan Plateau. Environmental Science & Technology, 2016, 50, 13224-13231.	4.6	16
54	Atmospheric Mercury Outflow from China and Interprovincial Trade. Environmental Science & Technology, 2018, 52, 13792-13800.	4.6	16

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55	Riverine nitrogen loss in the Tibetan Plateau and potential impacts of climate change. Science of the Total Environment, 2016, 553, 276-284.	3.9	15
56	Comparison of Reactive Gaseous Mercury Collection by Different Sampling Methods in a Laboratory Test and Field Monitoring. Environmental Science and Technology Letters, 2018, 5, 600-607.	3.9	15
57	Impacts of Potential China's Environmental Protection Tax Reforms on Provincial Air Pollution Emissions and Economy. Earth's Future, 2020, 8, e2019EF001467.	2.4	15
58	Observation-Based Mercury Export from Rivers to Coastal Oceans in East Asia. Environmental Science & Technology, 2021, 55, 14269-14280.	4.6	15
59	Increasing mercury risk of fly ash generated from coal-fired power plants in China. Journal of Hazardous Materials, 2022, 429, 128296.	6.5	15
60	Substantial accumulation of mercury in the deepest parts of the ocean and implications for the environmental mercury cycle. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	15
61	Physiologically based pharmacokinetic (PBPK) modeling of human lactational transfer of methylmercury in China. Environment International, 2018, 115, 180-187.	4.8	14
62	Evaluation of costs associated with atmospheric mercury emission reductions from coal combustion in China in 2010 and projections for 2020. Science of the Total Environment, 2018, 610-611, 796-801.	3.9	14
63	Evolution of the life cycle primary PM2.5 emissions in globalized production systems. Environment International, 2019, 131, 104996.	4.8	14
64	Spatial-temporal characteristics of mercury and methylmercury in marine sediment under the combined influences of river input and coastal currents. Chemosphere, 2021, 274, 129728.	4.2	14
65	Impact of particle chemical composition and water content on the photolytic reduction of particle-bound mercury. Atmospheric Environment, 2019, 200, 24-33.	1.9	13
66	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
67	Significant elevation of human methylmercury exposure induced by the food trade in Beijing, a developing megacity. Environment International, 2020, 135, 105392.	4.8	11
68	Rapid Increase in Cement-Related Mercury Emissions and Deposition in China during 2005â€“2015. Environmental Science & Technology, 2020, 54, 14204-14214.	4.6	11
69	Influence of atmospheric in-cloud aqueous-phase chemistry on the global simulation of SO₂ in CESM2. Atmospheric Chemistry and Physics, 2021, 21, 16093-16120.	1.9	10
70	Estimation of Unintended Treated Wastewater Contributions to Streams in the Yangtze River Basin and the Potential Human Health and Ecological Risk Analysis. Environmental Science & Technology, 2022, 56, 5590-5601.	4.6	10
71	On-site measured emission factors of polycyclic aromatic hydrocarbons for different types of marine vessels. Environmental Pollution, 2022, 297, 118782.	3.7	9
72	Impact of dissolved organic matter and environmental factors on methylmercury concentrations across aquatic ecosystems inferred from a global dataset. Chemosphere, 2022, 294, 133713.	4.2	9

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73	Characteristics of plankton Hg bioaccumulations based on a global data set and the implications for aquatic systems with aggravating nutrient imbalance. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	3.3	8
74	First observation of mercury species on an important water vapor channel in the southeastern Tibetan Plateau. Atmospheric Chemistry and Physics, 2022, 22, 2651-2668.	1.9	8
75	Determination of methylmercury in rice using microwave-assisted extraction coupled with thermal decomposition amalgamation atomic absorption spectrometry (MAE-TDA-AAS). Analytical Methods, 2019, 11, 1361-1370.	1.3	7
76	Simulation of the impact of the emergency control measures on the reduction of air pollutants: a case study of APEC blue. Environmental Monitoring and Assessment, 2020, 192, 116.	1.3	7
77	Chemical Form and Bioaccessibility of Mercury in Traditional Tibetan Medicines. Environmental Science and Technology Letters, 2018, 5, 552-557.	3.9	5
78	Evaluation of passive sampling of gaseous mercury using different sorbing materials. Environmental Science and Pollution Research, 2017, 24, 14190-14197.	2.7	4
79	PM_{2.5}-Associated Health Impacts of Beehive Coke Oven Ban in China. Environmental Science & Technology, 2019, 53, 11337-11344.	4.6	4
80	A potential route for photolytic reduction of HgCl2 and HgBr2 in dry air and analysis about the impacts from Ozone. Atmospheric Research, 2021, 249, 105310.	1.8	4
81	Perspectives on policy framework for trans-boundary water quality management in China. Environmental Hazards, 2016, 15, 113-127.	1.4	3
82	Characteristics of Speciated Mercury Emissions from Coal Combustion in Air and Oxygen-Enriched Environment. Bulletin of Environmental Contamination and Toxicology, 2019, 102, 695-700.	1.3	3
83	High PM_{2.5} Emission from Typical Old, Small Fishing Vessels in China. Environmental Science and Technology Letters, 2022, 9, 199-204.	3.9	3
84	An experimental study of the impacts of solar radiation and temperature on mercury emission from different natural soils across China. Environmental Monitoring and Assessment, 2019, 191, 545.	1.3	2
85	Human Methylmercury Exposure and Potential Impacts in Central Tibet: Food and Traditional Tibetan Medicine. Bulletin of Environmental Contamination and Toxicology, 2021, 107, 449-458.	1.3	2
86	Biotransport of mercury and human methylmercury exposure through crabs in China â€“ A life cycle-based analysis. Journal of Hazardous Materials, 2021, 415, 125684.	6.5	2
87	Reply to Comment on â€œTraditional Tibetan Medicine Induced High Methylmercury Exposure Level and Environmental Mercury Burden in Tibet, Chinaâ€. Environmental Science & Technology, 2019, 53, 12956-12958.	4.6	0
88	Unexpected Methane Emissions From Old Small Fishing Vessels in China. Frontiers in Environmental Science, 2022, 10, .	1.5	0