

Xiaoping Wang

List of Publications by Year in descending order

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papers

4,322
citations

81900

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docs citations

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times ranked

3563
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#	ARTICLE	IF	CITATIONS
1	Passive Air Sampling of Organochlorine Pesticides, Polychlorinated Biphenyls, and Polybrominated Diphenyl Ethers Across the Tibetan Plateau. <i>Environmental Science & Technology</i> , 2010, 44, 2988-2993.	10.0	154
2	Monsoon-Driven Transport of Organochlorine Pesticides and Polychlorinated Biphenyls to the Tibetan Plateau: Three Year Atmospheric Monitoring Study. <i>Environmental Science & Technology</i> , 2013, 47, 3199-3208.	10.0	153
3	Review of brown carbon aerosols: Recent progress and perspectives. <i>Science of the Total Environment</i> , 2018, 634, 1475-1485.	8.0	137
4	First Assessment of NO _x Sources at a Regional Background Site in North China Using Isotopic Analysis Linked with Modeling. <i>Environmental Science & Technology</i> , 2017, 51, 5923-5931.	10.0	133
5	One century sedimentary records of polycyclic aromatic hydrocarbons, mercury and trace elements in the Qinghai Lake, Tibetan Plateau. <i>Environmental Pollution</i> , 2010, 158, 3065-3070.	7.5	120
6	Persistent organic pollutants in the Tibetan surface soil: Spatial distribution, air-soil exchange and implications for global cycling. <i>Environmental Pollution</i> , 2012, 170, 145-151.	7.5	114
7	The historical residue trends of DDT, hexachlorocyclohexanes and polycyclic aromatic hydrocarbons in an ice core from Mt. Everest, central Himalayas, China. <i>Atmospheric Environment</i> , 2008, 42, 6699-6709.	4.1	112
8	Heavy metals of the Tibetan top soils. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3362-3370.	5.3	111
9	Source apportionment of PM _{2.5} at a regional background site in North China using PMF linked with radiocarbon analysis: insight into the contribution of biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11249-11265.	4.9	111
10	Subspecies-Level Variation in the Phytoextraction of Weathered p,p'-DDE by <i>Cucurbita pepo</i> . <i>Environmental Science & Technology</i> , 2003, 37, 4368-4373.	10.0	107
11	PMF and PSCF based source apportionment of PM _{2.5} at a regional background site in North China. <i>Atmospheric Research</i> , 2018, 203, 207-215.	4.1	107
12	Remediation of Trichloroethylene in an Artificial Aquifer with Trees: A Controlled Field Study. <i>Environmental Science & Technology</i> , 1999, 33, 2257-2265.	10.0	105
13	Gradient distribution of persistent organic contaminants along northern slope of central-Himalayas, China. <i>Science of the Total Environment</i> , 2006, 372, 193-202.	8.0	101
14	Polycyclic aromatic hydrocarbons in surface soil across the Tibetan Plateau: Spatial distribution, source and air-soil exchange. <i>Environmental Pollution</i> , 2014, 184, 138-144.	7.5	98
15	Distribution, sources, and air-soil exchange of OCPs, PCBs and PAHs in urban soils of Nepal. <i>Chemosphere</i> , 2018, 200, 532-541.	8.2	88
16	A review of current knowledge and future prospects regarding persistent organic pollutants over the Tibetan Plateau. <i>Science of the Total Environment</i> , 2016, 573, 139-154.	8.0	77
17	Climate change and global cycling of persistent organic pollutants: A critical review. <i>Science China Earth Sciences</i> , 2016, 59, 1899-1911.	5.2	77
18	Identification and quantification of shipping emissions in Bohai Rim, China. <i>Science of the Total Environment</i> , 2014, 497-498, 570-577.	8.0	76

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19	The recent deposition of persistent organic pollutants and mercury to the Dasuopu glacier, Mt. Xixiabangma, central Himalayas. <i>Science of the Total Environment</i> , 2008, 394, 134-143.	8.0	75
20	Accumulation of Perfluoroalkyl Compounds in Tibetan Mountain Snow: Temporal Patterns from 1980 to 2010. <i>Environmental Science & Technology</i> , 2014, 48, 173-181.	10.0	75
21	Persistent organic pollutants in the polar regions and the Tibetan Plateau: A review of current knowledge and future prospects. <i>Environmental Pollution</i> , 2019, 248, 191-208.	7.5	71
22	Biomagnification of persistent organic pollutants along a high-altitude aquatic food chain in the Tibetan Plateau: Processes and mechanisms. <i>Environmental Pollution</i> , 2017, 220, 636-643.	7.5	67
23	Ecological and health risk assessment of potentially toxic elements in the major rivers of Pakistan: General population vs. Fishermen. <i>Chemosphere</i> , 2018, 202, 154-164.	8.2	64
24	Variations of organochlorine pesticides and polychlorinated biphenyls in atmosphere of the Tibetan Plateau: Role of the monsoon system. <i>Atmospheric Environment</i> , 2010, 44, 2518-2523.	4.1	63
25	Levels, dietary intake, and health risk of potentially toxic metals in vegetables, fruits, and cereal crops in Pakistan. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5558-5571.	5.3	63
26	Distribution of Persistent Organic Pollutants in Soil and Grasses Around Mt. Qomolangma, China. <i>Archives of Environmental Contamination and Toxicology</i> , 2007, 52, 153-162.	4.1	61
27	Heavy metals and rare earth elements (REEs) in soil from the Nam Co Basin, Tibetan Plateau. <i>Environmental Geology</i> , 2008, 53, 1433-1440.	1.2	58
28	Long-range atmospheric transport of particulate Polycyclic Aromatic Hydrocarbons and the incursion of aerosols to the southeast Tibetan Plateau. <i>Atmospheric Environment</i> , 2015, 115, 124-131.	4.1	58
29	Minimizing the risk to human health due to the ingestion of arsenic and toxic metals in vegetables by the application of biochar, farmyard manure and peat moss. <i>Journal of Environmental Management</i> , 2018, 214, 172-183.	7.8	58
30	Selected Organochlorine Pesticides and Polychlorinated Biphenyls in Urban Atmosphere of Pakistan: Concentration, Spatial Variation and Sources. <i>Environmental Science & Technology</i> , 2014, 48, 2610-2618.	10.0	56
31	Ambient distribution of particulate- and gas-phase n-alkanes and polycyclic aromatic hydrocarbons in the Tibetan Plateau. <i>Environmental Earth Sciences</i> , 2011, 64, 1703-1711.	2.7	55
32	Spatial distribution of the persistent organic pollutants across the Tibetan Plateau and its linkage with the climate systems: a 5-year air monitoring study. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 6901-6911.	4.9	50
33	Fluorescence characteristics of water-soluble organic carbon in atmospheric aerosol†. <i>Environmental Pollution</i> , 2021, 268, 115906.	7.5	49
34	Persistent organic pollutant cycling in forests. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 182-197.	29.7	45
35	Occurrence and spatial distribution of neutral perfluoroalkyl substances and cyclic volatile methylsiloxanes in the atmosphere of the Tibetan Plateau. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8745-8755.	4.9	43
36	Perfluorinated alkyl substances in snow as an atmospheric tracer for tracking the interactions between westerly winds and the Indian Monsoon over western China. <i>Environment International</i> , 2019, 124, 294-301.	10.0	43

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37	Phytoextraction of Weathered p,p'-DDE by Zucchini (<i>Cucurbita pepo</i>) and Cucumber (<i>Cucumis sativus</i>) Under Different Cultivation Conditions. <i>International Journal of Phytoremediation</i> , 2004, 6, 363-385.	3.1	42
38	Mercury distribution in the foliage and soil profiles of the Tibetan forest: Processes and implications for regional cycling. <i>Environmental Pollution</i> , 2014, 188, 94-101.	7.5	41
39	Impact of agricultural waste burning in the Shandong Peninsula on carbonaceous aerosols in the Bohai Rim, China. <i>Science of the Total Environment</i> , 2014, 481, 311-316.	8.0	41
40	The influence of climate change on the accumulation of polycyclic aromatic hydrocarbons, black carbon and mercury in a shrinking remote lake of the southern Tibetan Plateau. <i>Science of the Total Environment</i> , 2017, 601-602, 1814-1823.	8.0	41
41	Radiocarbon-based impact assessment of open biomass burning on regional carbonaceous aerosols in North China. <i>Science of the Total Environment</i> , 2015, 518-519, 1-7.	8.0	40
42	Characterization of Tibetan Soil As a Source or Sink of Atmospheric Persistent Organic Pollutants: Seasonal Shift and Impact of Global Warming. <i>Environmental Science & Technology</i> , 2019, 53, 3589-3598.	10.0	39
43	Concentration level and distribution of polycyclic aromatic hydrocarbons in soil and grass around Mt. Qomolangma, China. <i>Science Bulletin</i> , 2007, 52, 1405-1413.	1.7	38
44	Flux and source-sink relationship of heavy metals and arsenic in the Bohai Sea, China. <i>Environmental Pollution</i> , 2018, 242, 1353-1361.	7.5	38
45	Atmospheric transport and accumulation of organochlorine compounds on the southern slopes of the Himalayas, Nepal. <i>Environmental Pollution</i> , 2014, 192, 44-51.	7.5	36
46	Residues, spatial distribution and risk assessment of DDTs and HCHs in agricultural soil and crops from the Tibetan Plateau. <i>Chemosphere</i> , 2016, 149, 358-365.	8.2	36
47	Climate change influence on the levels and trends of persistent organic pollutants (POPs) and chemicals of emerging Arctic concern (CEACs) in the Arctic physical environment – a review. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1577-1615.	3.5	36
48	Long-term trends of atmospheric organochlorine pollutants and polycyclic aromatic hydrocarbons over the southeastern Tibetan Plateau. <i>Science of the Total Environment</i> , 2018, 624, 241-249.	8.0	35
49	Seasonal variations and sources of atmospheric polycyclic aromatic hydrocarbons and organochlorine compounds in a high-altitude city: Evidence from four-year observations. <i>Environmental Pollution</i> , 2018, 233, 1188-1197.	7.5	34
50	Release of Perfluoroalkyl Substances From Melting Glacier of the Tibetan Plateau: Insights Into the Impact of Global Warming on the Cycling of Emerging Pollutants. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7442-7456.	3.3	34
51	Fate of Carbon Tetrachloride during Phytoremediation with Poplar under Controlled Field Conditions. <i>Environmental Science & Technology</i> , 2004, 38, 5744-5749.	10.0	33
52	Influence of atmospheric circulation on the long-range transport of organochlorine pesticides to the western Tibetan Plateau. <i>Atmospheric Research</i> , 2015, 166, 157-164.	4.1	32
53	Atmospheric processes of organic pollutants over a remote lake on the central Tibetan Plateau: implications for regional cycling. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1401-1415.	4.9	32
54	Accumulation of Pollutants in Proglacial Lake Sediments: Impacts of Glacial Meltwater and Anthropogenic Activities. <i>Environmental Science & Technology</i> , 2020, 54, 7901-7910.	10.0	32

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55	Persistent organic pollutants in mountain air of the southeastern Tibetan Plateau: Seasonal variations and implications for regional cycling. <i>Environmental Pollution</i> , 2014, 194, 210-216.	7.5	31
56	Polycyclic aromatic hydrocarbons in the urban atmosphere of Nepal: Distribution, sources, seasonal trends, and cancer risk. <i>Science of the Total Environment</i> , 2018, 618, 1583-1590.	8.0	30
57	Influence of different organic geo-sorbents on <i>Spinacia oleracea</i> grown in chromite mine-degraded soil: a greenhouse study. <i>Journal of Soils and Sediments</i> , 2019, 19, 2417-2432.	3.0	29
58	Impact of climate fluctuations on deposition of DDT and hexachlorocyclohexane in mountain glaciers: Evidence from ice core records. <i>Environmental Pollution</i> , 2010, 158, 375-380.	7.5	28
59	Assessing on toxic potency of PM2.5-bound polycyclic aromatic hydrocarbons at a national atmospheric background site in North China. <i>Science of the Total Environment</i> , 2018, 612, 330-338.	8.0	25
60	Assessment and quantification of NOx sources at a regional background site in North China: Comparative results from a Bayesian isotopic mixing model and a positive matrix factorization model. <i>Environmental Pollution</i> , 2018, 242, 1379-1386.	7.5	25
61	Organochlorine pesticides and polychlorinated biphenyls in Tibetan forest soil: profile distribution and processes. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1897-1904.	5.3	24
62	Cycling and Budgets of Organic and Black Carbon in Coastal Bohai Sea, China: Impacts of Natural and Anthropogenic Perturbations. <i>Global Biogeochemical Cycles</i> , 2018, 32, 971-986.	4.9	24
63	Atmospheric organochlorine pesticides and polychlorinated biphenyls in urban areas of Nepal: spatial variation, sources, temporal trends, and long-range transport potential. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1325-1336.	4.9	23
64	Trans-Himalayan Transport of Organochlorine Compounds: Three-Year Observations and Model-Based Flux Estimation. <i>Environmental Science & Technology</i> , 2019, 53, 6773-6783.	10.0	23
65	Microplastics in a Remote Lake Basin of the Tibetan Plateau: Impacts of Atmospheric Transport and Glacial Melting. <i>Environmental Science & Technology</i> , 2021, 55, 12951-12960.	10.0	23
66	Sources and environmental processes of polycyclic aromatic hydrocarbons and mercury along a southern slope of the Central Himalayas, Nepal. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13843-13852.	5.3	21
67	Perfluoroalkyl substances in precipitation from the Tibetan Plateau during monsoon season: Concentrations, source regions and mass fluxes. <i>Chemosphere</i> , 2021, 282, 131105.	8.2	21
68	An improved inventory of polychlorinated biphenyls in China: A case study on PCB-153. <i>Atmospheric Environment</i> , 2018, 183, 40-48.	4.1	20
69	Nitrated polycyclic aromatic compounds in the atmospheric environment: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 1159-1185.	12.8	19
70	Spatiotemporal variations of surface ozone and its influencing factors across Tibet: A Geodetector-based study. <i>Science of the Total Environment</i> , 2022, 813, 152651.	8.0	19
71	Organochlorine pesticides and polychlorinated biphenyls in air, grass and yak butter from Namco in the central Tibetan Plateau. <i>Environmental Pollution</i> , 2015, 201, 50-57.	7.5	18
72	Combined risk assessment method based on spatial interaction: A case for polycyclic aromatic hydrocarbons and heavy metals in Taihu Lake sediments. <i>Journal of Cleaner Production</i> , 2021, 328, 129590.	9.3	18

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73	Field Calibration of XAD-Based Passive Air Sampler on the Tibetan Plateau: Wind Influence and Configuration Improvement. <i>Environmental Science & Technology</i> , 2017, 51, 5642-5649.	10.0	17
74	Combining Positive Matrix Factorization and Radiocarbon Measurements for Source Apportionment of PM _{2.5} from a National Background Site in North China. <i>Scientific Reports</i> , 2017, 7, 10648.	3.3	17
75	Source and formation characteristics of water-soluble organic carbon in the anthropogenic-influenced Yellow River Delta, North China. <i>Atmospheric Environment</i> , 2016, 144, 124-132.	4.1	16
76	Spatial distribution of toxic metals in drinking water sources and their associated health risk in district buner, Northern Pakistan. <i>Human and Ecological Risk Assessment (HERA)</i> , 2018, 24, 615-626.	3.4	16
77	Assessing Cancer Risk in China from ¹³ C-Hexachlorocyclohexane Emitted from Chinese and Indian Sources. <i>Environmental Science & Technology</i> , 2013, 47, 7242-7249.	10.0	15
78	Using a passive air sampler to monitor air-soil exchange of organochlorine pesticides in the pasture of the central Tibetan Plateau. <i>Science of the Total Environment</i> , 2017, 580, 958-965.	8.0	14
79	Spatial distribution patterns and human exposure risks of polycyclic aromatic hydrocarbons, organochlorine pesticides and polychlorinated biphenyls in Nepal using tree bark as a passive air sampler. <i>Environmental Research</i> , 2020, 186, 109510.	7.5	12
80	Mechanism of aerobic transformation of carbon tetrachloride by poplar cells. <i>Biodegradation</i> , 2002, 13, 297-305.	3.0	11
81	Century-long record of polycyclic aromatic hydrocarbons from tree rings in the southeastern Tibetan Plateau. <i>Journal of Hazardous Materials</i> , 2021, 412, 125152.	12.4	11
82	Forest Fires Enhance the Emission and Transport of Persistent Organic Pollutants and Polycyclic Aromatic Hydrocarbons from the Central Himalaya to the Tibetan Plateau. <i>Environmental Science and Technology Letters</i> , 2021, 8, 498-503.	8.7	10
83	Seasonal variation and source analysis of persistent organic pollutants in the atmosphere over the western Tibetan Plateau. <i>Environmental Science and Pollution Research</i> , 2018, 25, 24052-24063.	5.3	9
84	Distribution and vertical migration of polycyclic aromatic hydrocarbons in forest soil pits of southeastern Tibet. <i>Environmental Geochemistry and Health</i> , 2018, 40, 1941-1953.	3.4	8
85	Determination of dry deposition velocity of polycyclic aromatic hydrocarbons under the sub-tropical climate and its implication for regional cycling. <i>Environmental Pollution</i> , 2020, 261, 114143.	7.5	8
86	Melting Himalayas and mercury export: Results of continuous observations from the Rongbuk Glacier on Mt. Everest and future insights. <i>Water Research</i> , 2022, 218, 118474.	11.3	7
87	Chemical components and distributions in glaciers of the Third Pole. , 2020, , 71-134.		5
88	Impact of global warming on regional cycling of mercury and persistent organic pollutants on the Tibetan Plateau: current progress and future prospects. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1616-1630.	3.5	5
89	Development and assessment of a receptor source apportionment model based on four nonnegative matrix factorization algorithms. <i>Atmospheric Environment</i> , 2019, 197, 159-165.	4.1	4
90	Priorities for the sustainable development of the ecological environment on the Tibetan Plateau. <i>Fundamental Research</i> , 2021, 1, 329-333.	3.3	4

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91	Letters: Results misinterpreted. Environmental Science & Technology, 2003, 37, 342A-342A.	10.0	2
92	Nutrients and organic carbons in lake waters of the Third Pole. , 2020, , 261-285.		2
93	Source Apportionment and Toxic Potency of PM2.5-Bound Polycyclic Aromatic Hydrocarbons (PAHs) at an Island in the Middle of Bohai Sea, China. Atmosphere, 2022, 13, 699.	2.3	2
94	Nutrients and organic carbons in river waters of the Third Pole. , 2020, , 179-209.		1
95	Critical roles of secondary sources in global cycling of persistent organic pollutants under climate change. Journal of Hazardous Materials Advances, 2022, 6, 100064.	3.0	0