Lingqing Wang

List of Publications by Year
in descending order

97 papers	3,464 citations	136740 32 h-index	168136 53 g-index
97 all docs	97 docs citations	97 times ranked	2988 citing authors

#	Article	IF	Citations
1	Characteristics, sources, water quality and health risk assessment of trace elements in river water and well water in the Chinese Loess Plateau. Science of the Total Environment, 2019, 650, 2004-2012.	3.9	338
2	State of rare earth elements in different environmental components in mining areas of China. Environmental Monitoring and Assessment, 2014, 186, 1499-1513.	1.3	242
3	Multivariate geostatistical analysis and source identification of heavy metals in the sediment of Poyang Lake in China. Science of the Total Environment, 2018, 621, 1433-1444.	3.9	176
4	Elucidating the differentiation of soil heavy metals under different land uses with geographically weighted regression and self-organizing map. Environmental Pollution, 2020, 260, 114065.	3.7	98
5	Novel insights into the adsorption of organic contaminants by biochar: A review. Chemosphere, 2022, 287, 132113.	4.2	97
6	Contamination and health risk assessment of heavy metals in road dust in Bayan Obo Mining Region in Inner Mongolia, North China. Journal of Chinese Geography, 2015, 25, 1439-1451.	1.5	96
7	Source and path identification of metals pollution in a mining area by PMF and rare earth element patterns in road dust. Science of the Total Environment, 2018, 633, 958-966.	3.9	80
8	A Review of Unmanned Aerial Vehicle Low-Altitude Remote Sensing (UAV-LARS) Use in Agricultural Monitoring in China. Remote Sensing, 2021, 13, 1221.	1.8	74
9	Accumulation and fractionation of rare earth elements in atmospheric particulates around a mine tailing in Baotou, China. Atmospheric Environment, 2014, 88, 23-29.	1.9	68
10	High-resolution imaging of labile phosphorus and its relationship with iron redox state in lake sediments. Environmental Pollution, 2016, 219, 466-474.	3.7	67
11	Geostatistical analyses and co-occurrence correlations of heavy metals distribution with various types of land use within a watershed in eastern QingHai-Tibet Plateau, China. Science of the Total Environment, 2019, 653, 849-859.	3.9	64
12	Groundwater hydrochemistry, source identification and pollution assessment in intensive industrial areas, eastern Chinese loess plateau. Environmental Pollution, 2021, 278, 116930.	3.7	64
13	Effects of exogenous rare earth elements on phosphorus adsorption and desorption in different types of soils. Chemosphere, 2014, 103, 148-155.	4.2	60
14	Applications of stochastic models and geostatistical analyses to study sources and spatial patterns of soil heavy metals in a metalliferous industrial district of China. Science of the Total Environment, 2014, 490, 422-434.	3.9	59
15	Effects of cerium oxide on rice seedlings as affected by co-exposure of cadmium and salt. Environmental Pollution, 2019, 252, 1087-1096.	3.7	59
16	Spatial distribution and risk assessment of radionuclides in soils around a coal-fired power plant: A case study from the city of Baoji, China. Environmental Research, 2007, 104, 201-208.	3.7	56
17	Effects of no-tillage systems on soil physical properties and carbon sequestration under long-term wheat–maize double cropping system. Catena, 2015, 128, 195-202.	2.2	52
18	Geochemical fractions of rare earth elements in soil around a mine tailing in Baotou, China. Scientific Reports, 2015, 5, 12483.	1.6	52

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19	Combining multiple methods for provenance discrimination based on rare earth element geochemistry in lake sediment. Science of the Total Environment, 2019, 672, 264-274.	3.9	49
20	Atmospheric thorium pollution and inhalation exposure in the largest rare earth mining and smelting area in China. Science of the Total Environment, 2016, 572, 1-8.	3.9	48
21	Rare earth element components in atmospheric particulates in the Bayan Obo mine region. Environmental Research, 2014, 131, 64-70.	3.7	46
22	Distribution Characteristics of Phosphorus in the Sediments and Overlying Water of Poyang Lake. PLoS ONE, 2015, 10, e0125859.	1.1	44
23	Interactive influences of meteorological and socioeconomic factors on ecosystem service values in a river basin with different geomorphic features. Science of the Total Environment, 2022, 829, 154595.	3.9	44
24	Leaching losses of nitrate nitrogen and dissolved organic nitrogen from a yearly two crops system, wheat-maize, under monsoon situations. Nutrient Cycling in Agroecosystems, 2011, 91, 77-89.	1.1	42
25	Analyzing environmental risk, source and spatial distribution of potentially toxic elements in dust of residential area in Xiâ€™an urban area, China. Ecotoxicology and Environmental Safety, 2021, 208, 111679.	2.9	41
26	Heavy metal occurrence and risk assessment in dairy feeds and manures from the typical intensive dairy farms in China. Environmental Science and Pollution Research, 2019, 26, 6348-6358.	2.7	40
27	Heavy metal bioaccessibility and health risks in the contaminated soil of an abandoned, small-scale lead and zinc mine. Environmental Science and Pollution Research, 2018, 25, 15044-15056.	2.7	38
28	Adsorption of phenol and bisphenol A on river sediments: Effects of particle size, humic acid, pH and temperature. Ecotoxicology and Environmental Safety, 2020, 204, 111093.	2.9	38
29	Influence of soil properties, topography, and land cover on soil organic carbon and total nitrogen concentration: A case study in Qinghai-Tibet plateau based on random forest regression and structural equation modeling. Science of the Total Environment, 2022, 821, 153440.	3.9	38
30	Risk assessment of atmospheric heavy metals exposure in Baotou, a typical industrial city in northern China. Environmental Geochemistry and Health, 2016, 38, 843-853.	1.8	37
31	Spatial distribution, risk estimation and source apportionment of potentially toxic metal(loid)s in resuspended megacity street dust. Environment International, 2022, 160, 107073.	4.8	36
32	The effects of fertilizer applications on runoff loss of phosphorus. Environmental Earth Sciences, 2013, 68, 1313-1319.	1.3	35
33	Concentrations, spatial distribution, sources and environmental health risks of potentially toxic elements in urban road dust across China. Science of the Total Environment, 2022, 805, 150266.	3.9	35
34	Discrimination of rare earth element geochemistry and co-occurrence in sediment from Poyang Lake, the largest freshwater lake in China. Chemosphere, 2019, 217, 851-857.	4.2	34
35	Effects of soil type on leaching and runoff transport of rare earth elements and phosphorous in laboratory experiments. Environmental Science and Pollution Research, 2011, 18, 38-45.	2.7	33
36	Study on Nitrogen Dynamics at the Sedimentâ€"Water Interface of Dongting Lake, China. Aquatic Geochemistry, 2014, 20, 501-517.	1.5	33

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37	Anomalous abundance and redistribution patterns of rare earth elements in soils of a mining area in Inner Mongolia, China. Environmental Science and Pollution Research, 2016, 23, 11330-11338.	2.7	33
38	Data integration analysis: Heavy metal pollution in China's large-scale cattle rearing and reduction potential in manure utilization. Journal of Cleaner Production, 2019, 232, 308-317.	4.6	31
39	Nitrogen distribution and ammonia release from the overlying water and sediments of Poyang Lake, China. Environmental Earth Sciences, 2015, 74, 771-778.	1.3	30
40	Evaluation of water quality using a Takagi-Sugeno fuzzy neural network and determination of heavy metal pollution index in a typical site upstream of the Yellow River. Environmental Research, 2022, 211, 113058.	3.7	30
41	Green synthesis of metal-based nanoparticles for sustainable agriculture. Environmental Pollution, 2022, 309, 119755.	3.7	29
42	Multivariable cokriging prediction and source analysis of potentially toxic elements (Cr, Cu, Cd, Pb,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5(	2.6	28
43	Laboratory experiments of phosphorus loss with surface runoff during simulated rainfall. Environmental Earth Sciences, 2013, 70, 2839-2846.	1.3	27
44	Effects of spraying nano€materials on the absorption of metal(loid)s in cucumber. IET Nanobiotechnology, 2019, 13, 712-719.	1.9	27
45	Analysis of spatio-temporal distribution characteristics and socioeconomic drivers of urban air quality in China. Chemosphere, 2022, 291, 132799.	4.2	26
46	Heavy metals in different moss species in alpine ecosystems of Mountain Gongga, China: Geochemical characteristics and controlling factors. Environmental Pollution, 2021, 272, 115991.	3.7	25
47	Identification of areas vulnerable to soil erosion and risk assessment of phosphorus transport in a typical watershed in the Loess Plateau. Science of the Total Environment, 2021, 758, 143661.	3.9	25
48	An experimental study on using rare earth elements to trace phosphorous losses from nonpoint sources. Chemosphere, 2011, 85, 1075-1079.	4.2	24
49	A comprehensive, locally adapted soil quality indexing under different land uses in a typical watershed of the eastern Qinghai-Tibet Plateau. Ecological Indicators, 2021, 125, 107445.	2.6	24
50	Integrated assessment of the impact of land use types on soil pollution by potentially toxic elements and the associated ecological and human health risk. Environmental Pollution, 2022, 299, 118911.	3.7	24
51	Adsorption of nitrophenol compounds from aqueous solution by cross-linked starch-based polymers. Desalination and Water Treatment, 2015, 55, 1575-1585.	1.0	23
52	Distribution and Contamination Assessment of Soil Heavy Metals in the Jiulongjiang River Catchment, Southeast China. International Journal of Environmental Research and Public Health, 2019, 16, 4674.	1.2	22
53	Distribution patterns and dynamics of phosphorus forms in the overlying water and sediment of Dongting Lake. Journal of Great Lakes Research, 2016, 42, 565-570.	0.8	21
54	Pollution level and inhalation exposure of ambient aerosol fluoride as affected by polymetallic rare earth mining and smelting in Baotou, north China. Atmospheric Environment, 2017, 167, 40-48.	1.9	21

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55	Phytotoxicity of Y2O3 nanoparticles and Y3+ ions on rice seedlings under hydroponic culture. Chemosphere, 2021, 263, 127943.	4.2	21
56	Natural radionuclide concentrations in soils around Baoji coal-fired power plant, China. Radiation Effects and Defects in Solids, 2007, 162, 677-683.	0.4	20
57	Noâ€tillage and fertilization management on crop yields and nitrate leaching in North China Plain. Ecology and Evolution, 2015, 5, 1143-1155.	0.8	20
58	Assessing the impact of human activities on surface pollen assemblages in Qinghai Lake Basin, China. Journal of Quaternary Science, 2018, 33, 702-712.	1.1	19
59	Determination of polycyclic aromatic hydrocarbons from soil samples using selective pressurized liquid extraction. Analytical Methods, 2012, 4, 2441.	1.3	17
60	Probabilistic modeling of aggregate lead exposure in children of urban China using an adapted IEUBK model. Science of the Total Environment, 2017, 584-585, 259-267.	3.9	17
61	An experimental study on the effects of freezeâ€"thaw cycles on phosphorus adsorptionâ€"desorption processes in brown soil. RSC Advances, 2017, 7, 37441-37446.	1.7	17
62	Geochemical Characteristics of Rare Earth Elements in Soils from Puding Karst Critical Zone Observatory, Southwest China. Sustainability, 2019, 11, 4963.	1.6	17
63	Long-term ecological effects of two artificial forests on soil properties and quality in the eastern Qinghai-Tibet Plateau. Science of the Total Environment, 2021, 796, 148986.	3.9	17
64	Biochar and nitrogen fertilizer co-application changed SOC content and fraction composition in Huang-Huai-Hai plain, China. Chemosphere, 2022, 291, 132925.	4.2	17
65	Irrigation with sediment-laden river water affects the soil texture and composition of organic matter fractions in arid and semi-arid areas of Northwest China. Geoderma, 2018, 328, 10-19.	2.3	16
66	Shifting of phytoplankton assemblages in a regulated Chinese river basin after streamflow and water quality changes. Science of the Total Environment, 2019, 654, 948-959.	3.9	16
67	Major ion and dissolved heavy metal geochemistry, distribution, and relationship in the overlying water of Dongting Lake, China. Environmental Geochemistry and Health, 2019, 41, 1091-1104.	1.8	16
68	A comparative study of the physiological and biochemical properties of tomato (Lycopersicon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 705, 135938.	3.9	16
69	Concentrations, sources and ecologicalâ€"health risks of potentially toxic elements in finer road dust from a megacity in north China. Journal of Cleaner Production, 2022, 358, 132036.	4.6	16
70	Ecological floating bed for decontamination of eutrophic water bodies: Using alum sludge ceramsite. Journal of Environmental Management, 2022, 311, 114845.	3.8	15
71	Simulation on phosphorus release characteristics of Poyang Lake sediments under variable water levels and velocities. Journal of Chinese Geography, 2017, 27, 697-710.	1.5	14
72	Inhalation exposure and potential health risk estimation of lanthanides elements in PM2.5 associated with rare earth mining areas: a case of Baotou city, northern China. Environmental Geochemistry and Health, 2018, 40, 2795-2805.	1.8	14

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73	A multiâ€perspective composite assessment framework for prioritizing targets of sustainable development goals. Sustainable Development, 2022, 30, 833-847.	6.9	13
74	Effect of environmental factors on soil properties under different land use types in a typical basin of the North China Plain. Journal of Cleaner Production, 2022, 344, 131084.	4.6	13
75	Effects of adding selenium on different remediation measures of paddy fields with slightâ€"moderate cadmium contamination. Environmental Geochemistry and Health, 2020, 42, 377-388.	1.8	12
76	Effects of age on mineral elements, amino acids and fatty acids in Chinese chestnut fruits. European Food Research and Technology, 2021, 247, 2079-2086.	1.6	12
77	Cr(VI) Adsorption from Aqueous Solution by UiO-66 Modified Corncob. Sustainability, 2021, 13, 12962.	1.6	12
78	Cross-linked starch-based polymer as an SPE material for the determination of nitrophenols at trace levels in environmental water. Journal of Separation Science, 2014, 37, 257-264.	1.3	10
79	Nitrous oxide emissions in a winter wheat â€" summer maize double cropping system under different tillage and fertilizer management. Soil Use and Management, 2015, 31, 98-105.	2.6	10
80	Assessment of reactive oxygen species production and genotoxicity of rare earth mining dust: Implications for public health and mining management. Science of the Total Environment, 2020, 740, 139759.	3.9	9
81	Distribution and migration characteristics of dinitrotoluene sulfonates (DNTs) in typical TNT production sites: Effects and health risk assessment. Journal of Environmental Management, 2021, 287, 112342.	3.8	9
82	Multivariate statistical analysis of potentially toxic elements in the sediments of Quanzhou Bay, China: Spatial relationships, ecological toxicity and sources identification. Environmental Research, 2022, 213, 113750.	3.7	9
83	Adsorption of cadmium and lead in wastewater by four kinds of biomass xanthates. Water Science and Technology, 2019, 79, 1222-1230.	1.2	8
84	Biochar combined with nitrogen fertilizer affects soil properties and wheat yield in mediumâ€lowâ€yield farmland. Soil Use and Management, 2022, 38, 584-595.	2.6	8
85	The diffusion fluxes and sediment activity of phosphorus in the sedimentâ€"water interface of Poyang Lake. Journal of Freshwater Ecology, 2016, 31, 521-531.	0.5	6
86	Multivariate statistical analysis of potentially toxic elements in soils under different land uses: Spatial relationship, ecological risk assessment, and source identification. Environmental Geochemistry and Health, 2022, 44, 847-860.	1.8	6
87	Geochemical and Statistical Analyses of Trace Elements in Lake Sediments from Qaidam Basin, Qinghai-Tibet Plateau: Distribution Characteristics and Source Apportionment. International Journal of Environmental Research and Public Health, 2022, 19, 2341.	1.2	6
88	Release of reactive phosphorus from sediments in Dongting Lake linked with the Yangtze River. Environmental Chemistry, 2017, 14, 48.	0.7	5
89	Effects of antecedent soil moisture on losses of rare earth elements and phosphorus in runoff. Environmental Earth Sciences, 2012, 66, 2379-2385.	1.3	4
90	Synergetic mediation of reduced graphene oxide and Cu(II) on the oxidation of 2-naphthol in water. Environmental Pollution, 2019, 252, 689-696.	3.7	4

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91	Cosorption of Zn(II) and chlortetracycline onto montmorillonite: pH effects and molecular investigations. Journal of Hazardous Materials, 2022, 424, 127368.	6.5	4
92	Spatial distribution, pollution level, and health risk of Pb in the finer dust of residential areas: a case study of Xi'an, northwest China. Environmental Geochemistry and Health, 2022, 44, 3541-3554.	1.8	3
93	Effects of Human Activities on the Spatial Distribution, Ecological Risk and Sources of PTEs in Coastal Sediments. International Journal of Environmental Research and Public Health, 2021, 18, 12476.	1.2	3
94	Integrated insights into potentially hazardous metals in sediments of a typical bay under long-term human impacts: Implications for coastal management. Journal of Cleaner Production, 2022, 364, 132566.	4.6	3
95	PAHs Source Identification in Sediments and Surrounding Soils of Poyang Lake in China Using Non-Negative Matrix Factorization Analysis. Land, 2022, 11, 843.	1.2	3
96	Potential hot spots contaminated with exogenous, rare earth elements originating from e-waste dismantling and recycling. Environmental Pollution, 2022, 309, 119717.	3.7	3
97	Mechanisms and influencing factors of yttrium sorption on paddy soil: Experiments and modeling. Chemosphere, 2022, , 135688.	4.2	1