

Wenjing Guo

List of Publications by Year in descending order

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59
papers

3,230
citations

117619

34
h-index

149686

56
g-index

59
all docs

59
docs citations

59
times ranked

2888
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimony pollution in China. <i>Science of the Total Environment</i> , 2012, 421-422, 41-50.	8.0	466
2	Health risk associated with dietary co-exposure to high levels of antimony and arsenic in the world's largest antimony mine area. <i>Science of the Total Environment</i> , 2011, 409, 3344-3351.	8.0	190
3	Comparison of arsenic and antimony biogeochemical behavior in water, soil and tailings from Xikuangshan, China. <i>Science of the Total Environment</i> , 2016, 539, 97-104.	8.0	157
4	Characterization of Organic Phosphorus in Lake Sediments by Sequential Fractionation and Enzymatic Hydrolysis. <i>Environmental Science & Technology</i> , 2013, 47, 7679-7687.	10.0	155
5	Characteristics of organic phosphorus fractions in different trophic sediments of lakes from the middle and lower reaches of Yangtze River region and Southwestern Plateau, China. <i>Environmental Pollution</i> , 2008, 152, 366-372.	7.5	142
6	Antimony speciation and contamination of waters in the Xikuangshan antimony mining and smelting area, China. <i>Environmental Geochemistry and Health</i> , 2010, 32, 401-413.	3.4	127
7	Antimony, arsenic and mercury in the aquatic environment and fish in a large antimony mining area in Hunan, China. <i>Science of the Total Environment</i> , 2010, 408, 3403-3410.	8.0	118
8	Removal of antimony(III) from aqueous solution by freshwater cyanobacteria <i>Microcystis</i> biomass. <i>Chemical Engineering Journal</i> , 2012, 183, 172-179.	12.7	88
9	Copper and zinc, but not other priority toxic metals, pose risks to native aquatic species in a large urban lake in Eastern China. <i>Environmental Pollution</i> , 2016, 219, 1069-1076.	7.5	86
10	Linking the molecular composition of autochthonous dissolved organic matter to source identification for freshwater lake ecosystems by combination of optical spectroscopy and FT-ICR-MS analysis. <i>Science of the Total Environment</i> , 2020, 703, 134764.	8.0	82
11	Removal of antimony from antimony mine flotation wastewater by electrocoagulation with aluminum electrodes. <i>Journal of Environmental Sciences</i> , 2011, 23, 1066-1071.	6.1	78
12	Complexation between Hg(II) and dissolved organic matter in stream waters: an application of fluorescence spectroscopy. <i>Biogeochemistry</i> , 2004, 71, 339-351.	3.5	72
13	Phosphorus fractions and bioavailability in relation to particle size characteristics in sediments from Lake Hongfeng, Southwest China. <i>Environmental Earth Sciences</i> , 2013, 68, 1041-1052.	2.7	66
14	Antimony: Emerging toxic contaminant in the environment. <i>Microchemical Journal</i> , 2011, 97, 1-3.	4.5	64
15	Removal of antimonate (Sb(V)) and antimonite (Sb(III)) from aqueous solutions by coagulation-flocculation-sedimentation (CFS): Dependence on influencing factors and insights into removal mechanisms. <i>Science of the Total Environment</i> , 2018, 644, 1277-1285.	8.0	59
16	Influence of natural organic matter on the bioavailability and preservation of organic phosphorus in lake sediments. <i>Chemical Geology</i> , 2015, 397, 51-60.	3.3	57
17	Organic geochemical record of environmental changes in Lake Dianchi, China. <i>Journal of Paleolimnology</i> , 2010, 44, 217-231.	1.6	56
18	Refocusing on Nonpriority Toxic Metals in the Aquatic Environment in China. <i>Environmental Science & Technology</i> , 2017, 51, 3117-3118.	10.0	55

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19	Simulated bioavailability of phosphorus from aquatic macrophytes and phytoplankton by aqueous suspension and incubation with alkaline phosphatase. <i>Science of the Total Environment</i> , 2018, 616-617, 1431-1439.	8.0	54
20	Depth-dependent variations of dissolved organic matter composition and humification in a plateau lake using fluorescence spectroscopy. <i>Chemosphere</i> , 2019, 225, 507-516.	8.2	54
21	Molecular size distribution characteristics of the metal-organic DOM complexes in stream waters by high-performance size-exclusion chromatography (HPSEC) and high-resolution inductively coupled plasma mass spectrometry (ICP-MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 979-983.	3.0	53
22	Phosphorus Composition in Sediments from Seven Different Trophic Lakes, China: A Phosphorus-31 NMR Study. <i>Journal of Environmental Quality</i> , 2009, 38, 353-359.	2.0	53
23	Photochemical, microbial and metal complexation behavior of fluorescent dissolved organic matter in the aquatic environments. <i>Geochemical Journal</i> , 2011, 45, 235-254.	1.0	52
24	Adsorption of phosphate by sediments in a eutrophic lake: Isotherms, kinetics, thermodynamics and the influence of dissolved organic matter. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 562, 16-25.	4.7	51
25	Bioavailability and preservation of organic phosphorus in lake sediments: Insights from enzymatic hydrolysis and 31P nuclear magnetic resonance. <i>Chemosphere</i> , 2018, 211, 50-61.	8.2	49
26	Interaction of alkaline phosphatase with minerals and sediments: Activities, kinetics and hydrolysis of organic phosphorus. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 495, 46-53.	4.7	47
27	Spectroscopic characterization and molecular weight distribution of dissolved organic matter in sediment porewaters from Lake Erhai, Southwest China. <i>Biogeochemistry</i> , 2006, 81, 179-189.	3.5	44
28	Quantitative and qualitative characteristics of dissolved organic matter from eight dominant aquatic macrophytes in Lake Dianchi, China. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7413-7423.	5.3	44
29	Interactions between stepwise-eluted sub-fractions of fulvic acids and protons revealed by fluorescence titration combined with EEM-PARAFAC. <i>Science of the Total Environment</i> , 2017, 605-606, 58-65.	8.0	43
30	Temporal and spatial distributions of dissolved organic carbon and nitrogen in two small lakes on the Southwestern China Plateau. <i>Limnology</i> , 2008, 9, 163-171.	1.5	42
31	Characterization of phosphorus forms in lake macrophytes and algae by solution 31P nuclear magnetic resonance spectroscopy. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7288-7297.	5.3	40
32	Protonation-dependent heterogeneity in fluorescent binding sites in sub-fractions of fulvic acid using principle component analysis and two-dimensional correlation spectroscopy. <i>Science of the Total Environment</i> , 2018, 616-617, 1279-1287.	8.0	40
33	Spectroscopic analyses combined with Gaussian and Coats-Redfern models to investigate the characteristics and pyrolysis kinetics of sugarcane residue-derived biochars. <i>Journal of Cleaner Production</i> , 2019, 237, 117855.	9.3	40
34	Forms and Lability of Phosphorus in Algae and Aquatic Macrophytes Characterized by Solution 31P NMR Coupled with Enzymatic Hydrolysis. <i>Scientific Reports</i> , 2016, 6, 37164.	3.3	36
35	Excitation-emission matrix characterization of dissolved organic matter sources in two eutrophic lakes (Southwestern China Plateau). <i>Geochemical Journal</i> , 2010, 44, 99-112.	1.0	35
36	Fluorescence regional integration and differential fluorescence spectroscopy for analysis of structural characteristics and proton binding properties of fulvic acid sub-fractions. <i>Journal of Environmental Sciences</i> , 2018, 74, 116-125.	6.1	34

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37	Vertical distributions of $^{239+240}\text{Pu}$ activity and $^{240}\text{Pu}/^{239}\text{Pu}$ atom ratio in sediment core of Lake Chenghai, SW China. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008, 275, 37-42.	1.5	32
38	Laboratory Experiments on Phosphorous Release from the Sediments of 9 Lakes in the Middle and Lower Reaches of Yangtze River Region, China. <i>Water, Air, and Soil Pollution</i> , 2006, 176, 233-251.	2.4	27
39	Three decades of changes in water environment of a large freshwater Lake and its relationship with socio-economic indicators. <i>Journal of Environmental Sciences</i> , 2019, 77, 156-166.	6.1	25
40	Nitrogen Fractions and Release in the Sediments from the Shallow Lakes in the Middle and Lower Reaches of the Yangtze River Area, China. <i>Water, Air, and Soil Pollution</i> , 2007, 187, 5-14.	2.4	21
41	Effects of <i>Hydrilla Verticillata</i> on Phosphorus Retention and Release in Sediments. <i>Water, Air, and Soil Pollution</i> , 2007, 181, 329-339.	2.4	20
42	Derivation of marine water quality criteria for metals based on a novel QICAR-SSD model. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4297-4304.	5.3	20
43	Capillary Electrophoresis and Fluorescence Excitation-Emission Matrix Spectroscopy for Characterization of Humic Substances. <i>Soil Science Society of America Journal</i> , 2008, 72, 1248-1255.	2.2	19
44	Algal uptake of hydrophilic and hydrophobic dissolved organic nitrogen in the eutrophic lakes. <i>Chemosphere</i> , 2019, 214, 295-302.	8.2	18
45	China is establishing its water quality standards for enhancing protection of aquatic life in freshwater ecosystems. <i>Environmental Science and Policy</i> , 2021, 124, 413-422.	4.9	18
46	Ammonium release characteristics of the sediments from the shallow lakes in the middle and lower reaches of Yangtze River region, China. <i>Environmental Geology</i> , 2008, 55, 37-45.	1.2	16
47	Environmental characteristics and changes of sediment pore water dissolved organic matter in four Chinese lakes. <i>Environmental Science and Pollution Research</i> , 2018, 25, 2783-2804.	5.3	16
48	Relationship between fluorescence characteristics and molecular weight distribution of natural dissolved organic matter in Lake Hongfeng and Lake Baihua, China. <i>Science Bulletin</i> , 2006, 51, 89-96.	1.7	13
49	The bio-barite in witherite deposits from Southern Qinling and its significance *. <i>Progress in Natural Science: Materials International</i> , 2004, 14, 889-895.	4.4	11
50	Characterization of phosphorus in algae from a eutrophic lake by solution ^{31}P nuclear magnetic resonance spectroscopy. <i>Limnology</i> , 2019, 20, 163-171.	1.5	11
51	Characterization and sources of dissolved and particulate phosphorus in 10 freshwater lakes with different trophic statuses in China by solution ^{31}P nuclear magnetic resonance spectroscopy. <i>Ecological Research</i> , 2019, 34, 106-118.	1.5	10
52	Sudden enhancement of sedimentation flux of $^{210}\text{Pb}_{\text{ex}}$ as an indicator of lake productivity as exemplified by Lake Chenghai. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 484-496.	0.9	7
53	Effect of organic matter on DOM sorption on lake sediments. <i>Environmental Geology</i> , 2008, 56, 391-398.	1.2	7
54	Ultraviolet absorbance titration for the determination of conditional stability constants of Hg(II) and dissolved organic matter. <i>Diqiu Huaxue</i> , 2008, 27, 46-52.	0.5	7

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55	Effects of pH on Antioxidant Enzymes and Ultrastructure of <i>Hydrilla verticillata</i> . <i>Journal of Freshwater Ecology</i> , 2006, 21, 77-80.	1.2	2
56	Total concentrations and bioavailability of rare-earth elements in laterite soil in Hainan Province, China. <i>Diqiu Huaxue</i> , 2006, 25, 76-76.	0.5	1
57	Annual laminations in the sediments of Hongfeng Lake, China. <i>Chinese Geographical Science</i> , 1996, 6, 375-382.	3.0	0
58	Chemical composition of wet precipitation at a developing urban site in southeastern China. <i>Diqiu Huaxue</i> , 2006, 25, 18-18.	0.5	0
59	Determination of Hg and MeHg complexation with dissolved organic matter by fluorescence quenching titration. <i>Diqiu Huaxue</i> , 2006, 25, 264-265.	0.5	0