Guangliang Liu

List of Publications by Year
in descending order

44 papers	1,589 citations	331259 21 h-index	344852 36 g-index
63 all docs	63 docs citations	63 times ranked	1828 citing authors

#	Article	IF	Citations
1	Decreased bioavailability of both inorganic mercury and methylmercury in anaerobic sediments by sorption on iron sulfide nanoparticles. Journal of Hazardous Materials, 2022, 424, 127399.	6.5	14
2	Understanding foliar accumulation of atmospheric Hg in terrestrial vegetation: Progress and challenges. Critical Reviews in Environmental Science and Technology, 2022, 52, 4331-4352.	6.6	19
3	Effect of Enterohepatic Circulation on the Accumulation of Per- and Polyfluoroalkyl Substances: Evidence from Experimental and Computational Studies. Environmental Science & Technology, 2022, 56, 3214-3224.	4.6	35
4	Possible pathways for mercury methylation in oxic marine waters. Critical Reviews in Environmental Science and Technology, 2022, 52, 3997-4015.	6.6	21
5	Challenges for utilization and management of crop straw from Cdâ€contaminated soil. Soil Use and Management, 2022, 38, 1337-1339.	2.6	6
6	Binding characteristics of Hg(II) with extracellular polymeric substances: implications for Hg(II) reactivity within periphyton. Environmental Science and Pollution Research, 2022, , 1.	2.7	1
7	Particle-Bound Hg(II) is Available for Microbial Uptake as Revealed by a Whole-Cell Biosensor. Environmental Science & Technology, 2022, 56, 6754-6764.	4.6	8
8	Loss and Increase of the Electron Exchange Capacity of Natural Organic Matter during Its Reduction and Reoxidation: The Role of Quinone and Nonquinone Moieties. Environmental Science & Technology, 2022, 56, 6744-6753.	4.6	30
9	Chromatographic framework for coffee ring effect-driven separation of small molecules in surface enhanced Raman spectroscopy analysis. Talanta, 2022, 250, 123688.	2.9	2
10	Periphyton as an important source of methylmercury in Everglades water and food web. Journal of Hazardous Materials, 2021, 410, 124551.	6.5	12
11	Enriched isotope tracing to reveal the fractionation and lability of legacy and newly introduced cadmium under different amendments. Journal of Hazardous Materials, 2021, 403, 123975.	6.5	11
12	Dark Reduction of Mercury by Microalgae-Associated Aerobic Bacteria in Marine Environments. Environmental Science & Technology, 2021, 55, 14258-14268.	4.6	13
13	Aging and phytoavailability of newly introduced and legacy cadmium in paddy soil and their bioaccessibility in rice grain distinguished by enriched isotope tracing. Journal of Hazardous Materials, 2021, 417, 125998.	6.5	22
14	Gaseous Elemental Mercury [Hg(0)] Oxidation in Poplar Leaves through a Two-Step Single-Electron Transfer Process. Environmental Science and Technology Letters, 2021, 8, 1098-1103.	3.9	8
15	Transformation and uptake of silver nanoparticles and silver ions in rice plant (<i>Oryza sativa</i> L.): the effect of iron plaque and dissolved iron. Environmental Science: Nano, 2020, 7, 599-609.	2.2	19
16	Occurrence and leaching of silver in municipal sewage sludge in China. Ecotoxicology and Environmental Safety, 2020, 189, 109929.	2.9	5
17	Monitoring AuNP Dynamics in the Blood of a Single Mouse Using Single Particle Inductively Coupled Plasma Mass Spectrometry with an Ultralow-Volume High-Efficiency Introduction System. Analytical Chemistry, 2020, 92, 14872-14877.	3.2	9
18	Occurrence of Mercurous [Hg(I)] Species in Environmental Solid Matrices as Probed by Mild 2-Mercaptoethanol Extraction and HPLC-ICP-MS Analysis. Environmental Science and Technology Letters, 2020, 7, 482-488.	3.9	15

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19	Perfluorooctanesulfonate Induces Hepatomegaly and Lipoatrophy in Mice through Phosphoenolpyruvate Carboxykinase-Mediated Glyceroneogenesis Inhibition. Environmental Science and Technology Letters, 2020, 7, 185-190.	3.9	5
20	Speciation of thioarsenicals through application of coffee ring effect on gold nanofilm and surface-enhanced Raman spectroscopy. Analytica Chimica Acta, 2020, 1106, 88-95.	2.6	13
21	Arsenic Speciation on Silver Nanofilms by Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2019, 91, 8280-8288.	3.2	41
22	Screening of Potential PFOS Alternatives To Decrease Liver Bioaccumulation: Experimental and Computational Approaches. Environmental Science & Technology, 2019, 53, 2811-2819.	4.6	49
23	Tracing the Uptake, Transport, and Fate of Mercury in Sawgrass (<i>Cladium jamaicense</i>) in the Florida Everglades Using a Multi-isotope Technique. Environmental Science & Technology, 2018, 52, 3384-3391.	4.6	34
24	Thiolation in arsenic metabolism: a chemical perspective. Metallomics, 2018, 10, 1368-1382.	1.0	30
25	Geochemical modeling of mercury speciation in surface water and implications on mercury cycling in the everglades wetland. Science of the Total Environment, 2018, 640-641, 454-465.	3.9	14
26	Elemental mercury: Its unique properties affect its behavior and fate in the environment. Environmental Pollution, 2017, 229, 69-86.	3.7	120
27	Adsorption kinetics and isotherms of arsenite and arsenate on hematite nanoparticles and aggregates. Journal of Environmental Management, 2017, 186, 261-267.	3.8	56
28	Occurrence of Methylmercury in Rice-Based Infant Cereals and Estimation of Daily Dietary Intake of Methylmercury for Infants. Journal of Agricultural and Food Chemistry, 2017, 65, 9569-9578.	2.4	31
29	Thiolated arsenicals in arsenic metabolism: Occurrence, formation, and biological implications. Journal of Environmental Sciences, 2016, 49, 59-73.	3.2	61
30	Evaluating the role of re-adsorption of dissolved Hg2+ during cinnabar dissolution using isotope tracer technique. Journal of Hazardous Materials, 2016, 317, 466-475.	6.5	15
31	Mobility and speciation of arsenic in the coal fly ashes collected from the Savannah River Site (SRS). Chemosphere, 2016, 151, 138-144.	4.2	11
32	Elemental Mercury in Natural Waters: Occurrence and Determination of Particulate Hg(0). Environmental Science & Technology, 2015, 49, 9742-9749.	4.6	38
33	Dimethylarsinothioyl Glutathione as a Metabolite in Human Multiple Myeloma Cell Lines upon Exposure to Darinaparsin. Chemical Research in Toxicology, 2014, 27, 754-764.	1.7	21
34	Studying arseniteâ€“humic acid complexation using size exclusion chromatographyâ€“inductively coupled plasma mass spectrometry. Journal of Hazardous Materials, 2013, 262, 1223-1229.	6.5	26
35	Estimation of the Major Source and Sink of Methylmercury in the Florida Everglades. Environmental Science & Technology, 2012, 46, 5885-5893.	4.6	37
36	Legacy and Fate of Mercury and Methylmercury in the Florida Everglades. Environmental Science & Technology, 2011, 45, 496-501.	4.6	15

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37	Complexation of Arsenite with Humic Acid in the Presence of Ferric Iron. Environmental Science & Technology, 2011, 45, 3210-3216.	4.6	146
38	Complexation of arsenite with dissolved organic matter: Conditional distribution coefficients and apparent stability constants. Chemosphere, 2010, 81, 890-896.	4.2	85
39	Degradation of Methylmercury and Its Effects on Mercury Distribution and Cycling in the Florida Everglades. Environmental Science & Technology, 2010, 44, 6661-6666.	4.6	74
40	Spatial Variability in Mercury Cycling and Relevant Biogeochemical Controls in the Florida Everglades. Environmental Science & Technology, 2009, 43, 4361-4366.	4.6	28
41	Adsorption of Microcystin LR and LW on Suspended Particulate Matter (SPM) at Different pH. Water, Air, and Soil Pollution, 2008, 192, 67-76.	1.1	35
42	Mercury Mass Budget Estimates and Cycling Seasonality in the Florida Everglades. Environmental Science & Technology, 2008, 42, 1954-1960.	4.6	34
43	Distribution of total and methylmercury in different ecosystem compartments in the Everglades: Implications for mercury bioaccumulation. Environmental Pollution, 2008, 153, 257-265.	3.7	80
44	Mercury characterization in a soil sample collected nearby the DOE Oak Ridge Reservation utilizing sequential extraction and thermal desorption method. Science of the Total Environment, 2006, 369, 384-392.	3.9	70