

Yue Gao

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,697
citations

236925

25
h-index

315739

38
g-index

61
all docs

61
docs citations

61
times ranked

2015
citing authors

#	ARTICLE	IF	CITATIONS
1	Naturally occurring potentially toxic elements in groundwater from the volcanic landscape around Mount Meru, Arusha, Tanzania and their potential health hazard. <i>Science of the Total Environment</i> , 2022, 807, 150487.	8.0	22
2	Developments in the diffusive gradients in thin-films technique for the speciation of oxyanions and platinum group elements in aquatic systems. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 147, 116513.	11.4	6
3	Estrogenic activity and ecological risk of steroids, bisphenol A and phthalates after secondary and tertiary sewage treatment processes. <i>Water Research</i> , 2022, 214, 118189.	11.3	30
4	Anthropogenic activities influence the mobilization of trace metals and oxyanions in coastal sediment porewaters. <i>Science of the Total Environment</i> , 2022, 839, 156353.	8.0	11
5	Cysteine-modified silica resin in DGT samplers for mercury and trace metals assessment. <i>Chemosphere</i> , 2021, 263, 128320.	8.2	9
6	Investigation on trace metal speciation and distribution in the Scheldt estuary. <i>Science of the Total Environment</i> , 2021, 757, 143827.	8.0	19
7	Speciation of Inorganic Compounds in Aquatic Systems Using Diffusive Gradients in Thin-Films: A Review. <i>Frontiers in Chemistry</i> , 2021, 9, 624511.	3.6	9
8	Seeking for an optimal strategy to avoid arsenic and cadmium over-accumulation in crops: Soil management vs cultivar selection in a case study with maize. <i>Chemosphere</i> , 2021, 272, 129891.	8.2	16
9	Tracking the fate of artificial sweeteners within the coastal waters of Shenzhen city, China: From wastewater treatment plants to sea. <i>Journal of Hazardous Materials</i> , 2021, 414, 125498.	12.4	15
10	Upper Devonian mercury record from North America and its implications for the Frasnian–Famennian mass extinction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 576, 110502.	2.3	12
11	Metal Pollution and Bioaccumulation in the Nhue-Day River Basin, Vietnam: Potential Ecological and Human Health Risks. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 13425.	2.6	8
12	Leaching of two northern France slag heaps: Influence on the surrounding aquatic environment. <i>Environmental Pollution</i> , 2020, 257, 113601.	7.5	2
13	Fine scale measurements in Belgian coastal sediments reveal different mobilization mechanisms for cationic trace metals and oxyanions. <i>Environment International</i> , 2020, 145, 106140.	10.0	18
14	Advances in Understanding Mobilization Processes of Trace Metals in Marine Sediments. <i>Environmental Science & Technology</i> , 2020, 54, 15151-15161.	10.0	17
15	Determination of Mercury in Fish Sauces by Thermal Decomposition Gold Amalgamation Atomic Absorption Spectroscopy after Preconcentration by Diffusive Gradients in Thin Films Technique. <i>Foods</i> , 2020, 9, 1858.	4.3	8
16	Localized Intensification of Arsenic Release within the Emergent Rice Rhizosphere. <i>Environmental Science & Technology</i> , 2020, 54, 3138-3147.	10.0	34
17	Simultaneous determination of mercury, cadmium and lead in fish sauce using Diffusive Gradients in Thin-films technique. <i>Talanta</i> , 2020, 217, 121059.	5.5	15
18	Trace metal speciation in North Sea coastal waters. <i>Science of the Total Environment</i> , 2019, 692, 701-712.	8.0	26

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19	Arsenic enrichment in sediments and beaches of Brazilian coastal waters: A review. <i>Science of the Total Environment</i> , 2019, 681, 143-154.	8.0	50
20	Labile trace metal concentration measurements in marine environments: From coastal to open ocean areas. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 92-101.	11.4	38
21	In situ measurement of estrogenic activity in various aquatic systems using organic diffusive gradients in thin-film coupled with ERE-CALUX bioassay. <i>Environment International</i> , 2019, 127, 13-20.	10.0	25
22	Mercury speciation in various aquatic systems using passive sampling technique of diffusive gradients in thin-film. <i>Science of the Total Environment</i> , 2019, 663, 297-306.	8.0	23
23	Lead and uranium sorptive removal from aqueous solution using magnetic and nonmagnetic fast pyrolysis rice husk biochars. <i>RSC Advances</i> , 2018, 8, 13205-13217.	3.6	56
24	Comparison of Chelex based resins in diffusive gradients in thin-film for high resolution assessment of metals. <i>Talanta</i> , 2018, 186, 397-405.	5.5	23
25	Arsenic speciation in fish and shellfish from the North Sea (Southern bight) and AÅu Port area (Brazil) and health risks related to seafood consumption. <i>Chemosphere</i> , 2018, 191, 89-96.	8.2	63
26	In situ measurements of micronutrient dynamics in open seawater show that complex dissociation rates may limit diatom growth. <i>Scientific Reports</i> , 2018, 8, 16125.	3.3	39
27	Sorptive removal of phenanthrene from aqueous solutions using magnetic and non-magnetic rice husk-derived biochars. <i>Royal Society Open Science</i> , 2018, 5, 172382.	2.4	37
28	Impact of electrogenic sulfur oxidation on trace metal cycling in a coastal sediment. <i>Chemical Geology</i> , 2017, 452, 9-23.	3.3	32
29	Metals, hormones and sexual maturation in Flemish adolescents in three cross-sectional studies (2002â2015). <i>Environment International</i> , 2017, 102, 190-199.	10.0	23
30	Radial metal concentration profiles in trees growing on highly contaminated soils. <i>Chemosphere</i> , 2017, 172, 80-88.	8.2	8
31	Estrogenic Activity Measurements in Water Using Diffusive Gradients in Thin-Film Coupled with an Estrogen Bioassay. <i>Analytical Chemistry</i> , 2017, 89, 13357-13364.	6.5	37
32	DGT as a useful monitoring tool for radionuclides and trace metals in environments impacted by uranium mining: Case study of the Sagnes wetland in France. <i>Chemosphere</i> , 2016, 155, 142-151.	8.2	30
33	Novel speciation method based on Diffusive Gradients in Thin Films for in situ measurement of uranium in the vicinity of the former uranium mining sites. <i>Environmental Pollution</i> , 2016, 214, 114-123.	7.5	24
34	The impact of electrogenic sulfur oxidation on the biogeochemistry of coastal sediments: A field study. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 194, 211-232.	3.9	54
35	Uranium aqueous speciation in the vicinity of the former uranium mining sites using the diffusive gradients in thin films and ultrafiltration techniques. <i>Analytica Chimica Acta</i> , 2016, 913, 94-103.	5.4	25
36	Effect of Gel Interactions with Dissolved Organic Matter on DGT Measurements of Trace Metals. <i>Aquatic Geochemistry</i> , 2015, 21, 281-293.	1.3	15

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37	Two-dimensional images of dissolved sulfide and metals in anoxic sediments by a novel diffusive gradients in thin film probe and optical scanning techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 66, 63-71.	11.4	57
38	Migration of diadromous and landlocked smelt populations studied by otolith geochemistry. <i>Fisheries Research</i> , 2015, 167, 123-131.	1.7	5
39	Evaluation and application of Diffusive Gradients in Thin Films (DGT) technique using Chelex®-100, Metsorbâ,ç and Diphonix® binding phases in uranium mining environments. <i>Analytica Chimica Acta</i> , 2015, 889, 71-81.	5.4	21
40	Health effects in the Flemish population in relation to low levels of mercury exposure: From organ to transcriptome level. <i>International Journal of Hygiene and Environmental Health</i> , 2014, 217, 239-247.	4.3	25
41	Trace metals in blood and urine of newborn/mother pairs, adolescents and adults of the Flemish population (2007â€“2011). <i>International Journal of Hygiene and Environmental Health</i> , 2014, 217, 878-890.	4.3	60
42	Time-integrated monitoring of dioxin-like polychlorinated biphenyls (dl-PCBs) in aquatic environments using the ceramic toximeter and the CALUX bioassay. <i>Talanta</i> , 2014, 120, 413-418.	5.5	5
43	Daily variations of Zn and Pb concentrations in the DeÅ»le River in relation to the resuspension of heavily polluted sediments. <i>Science of the Total Environment</i> , 2014, 470-471, 600-607.	8.0	86
44	A novel method for the determination of dissolved methylmercury concentrations using diffusive gradients in thin films technique. <i>Talanta</i> , 2014, 120, 470-474.	5.5	37
45	Determination of mercury in river water by diffusive gradients in thin films using P81 membrane as binding layer. <i>Talanta</i> , 2014, 129, 417-421.	5.5	33
46	Reproducibility of laser ablationâ€“inductively coupled plasmaâ€“mass spectrometry (LAâ€“ICPâ€“MS) measurements in mussel shells and comparison with micro-drill sampling and solution ICPâ€“MS. <i>Talanta</i> , 2013, 115, 6-14.	5.5	13
47	Response of diffusive equilibrium in thin films (DET) and diffusive gradients in thin films (DGT) trace metal profiles in sediments to phytodetritus mineralisation. <i>Environmental Chemistry</i> , 2012, 9, 41.	1.5	12
48	A simple laser ablation ICPMS method for the determination of trace metals in a resin gel. <i>Talanta</i> , 2012, 92, 78-83.	5.5	23
49	Links between bacterial communities in marine sediments and trace metal geochemistry as measured by in situ DET/DGT approaches. <i>Marine Pollution Bulletin</i> , 2012, 64, 353-362.	5.0	22
50	Effect of bacterial mineralization of phytoplankton-derived phytodetritus on the release of arsenic, cobalt and manganese from muddy sediments in the Southern North Sea. A microcosm study. <i>Science of the Total Environment</i> , 2012, 419, 98-108.	8.0	32
51	Trace metal behaviour in riverine sediments: Role of organic matter and sulfides. <i>Applied Geochemistry</i> , 2011, 26, 80-90.	3.0	108
52	Synthesized mercaptopropyl nanoporous resins in DGT probes for determining dissolved mercury concentrations. <i>Talanta</i> , 2011, 87, 262-267.	5.5	51
53	Sources of PCDD/Fs, non-ortho PCBs and PAHs in sediments of high and low impacted transboundary rivers (Belgiumâ€“France). <i>Chemosphere</i> , 2011, 85, 203-209.	8.2	37
54	Mercury accumulation in fish species from the Persian Gulf and in human hair from fishermen. <i>Environmental Monitoring and Assessment</i> , 2010, 169, 203-216.	2.7	39

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55	Dietary exposure to total and toxic arsenic in Belgium: Importance of arsenic speciation in North Sea fish. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 558-565.	3.3	38
56	Geochemical behavior of trace elements in sub-tidal marine sediments of the Belgian coast. <i>Marine Chemistry</i> , 2009, 117, 88-96.	2.3	99
57	High resolution profiles of trace metals in pore waters of marine and riverine sediments assessed by DET and DGT. <i>Diqu Huaxue</i> , 2006, 25, 199-199.	0.5	0
58	Synthesis and characterization of novel poly(aryl ether ketone ketone)s containing the o-dibenzobene moiety. <i>Journal of Applied Polymer Science</i> , 2001, 81, 1487-1492.	2.6	6
59	Practicalities of Working with DGT. , 0, , 263-290.		3
60	Determination of Dissolved Iron Redox Species in Freshwater Sediment using DGT Technique Coupled to BDS. <i>Acta Chimica Slovenica</i> , 0, , 239-246.	0.6	6