

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 | Trace metal behaviour in riverine sediments: Role of organic matter and sulfides. <i>Applied Geochemistry</i> , 2011, 26, 80-90. | 3.0 | 108 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Synthesized mercaptopropyl nanoporous resins in DGT probes for determining dissolved mercury concentrations. <i>Talanta</i> , 2011, 87, 262-267. | 5.5 | 51 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|------|-----------|
| 19 | Localized Intensification of Arsenic Release within the Emergent Rice Rhizosphere. <i>Environmental Science & Technology</i> , 2020, 54, 3138-3147. | 10.0 | 34 |
| 20 | 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 |
| 21 | 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 |
| 22 | Impact of electrogenic sulfur oxidation on trace metal cycling in a coastal sediment. <i>Chemical Geology</i> , 2017, 452, 9-23. | 3.3 | 32 |
| 23 | 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 |
| 24 | 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 |
| 25 | Trace metal speciation in North Sea coastal waters. <i>Science of the Total Environment</i> , 2019, 692, 701-712. | 8.0 | 26 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | Metals, hormones and sexual maturation in Flemish adolescents in three cross-sectional studies (2002-2015). <i>Environment International</i> , 2017, 102, 190-199. | 10.0 | 23 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | Evaluation and application of Diffusive Gradients in Thin Films (DGT) technique using Chelex®-100, Metsorbâ,ç and DiphonixÂ® binding phases in uranium mining environments. <i>Analytica Chimica Acta</i> , 2015, 889, 71-81. | 5.4 | 21 |

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|----|--|------|-----------|
| 37 | Investigation on trace metal speciation and distribution in the Scheldt estuary. <i>Science of the Total Environment</i> , 2021, 757, 143827. | 8.0 | 19 |
| 38 | 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 |
| 39 | Advances in Understanding Mobilization Processes of Trace Metals in Marine Sediments. <i>Environmental Science & Technology</i> , 2020, 54, 15151-15161. | 10.0 | 17 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | Reproducibility of laser ablation-inductively coupled plasma-mass spectrometry (LA-ICP-MS) measurements in mussel shells and comparison with micro-drill sampling and solution ICP-MS. <i>Talanta</i> , 2013, 115, 6-14. | 5.5 | 13 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | Cysteine-modified silica resin in DGT samplers for mercury and trace metals assessment. <i>Chemosphere</i> , 2021, 263, 128320. | 8.2 | 9 |
| 49 | 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 |
| 50 | Radial metal concentration profiles in trees growing on highly contaminated soils. <i>Chemosphere</i> , 2017, 172, 80-88. | 8.2 | 8 |
| 51 | 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 |
| 52 | 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 |
| 53 | Synthesis and characterization of novel poly(aryl ether ketone)s containing the o-dibenzobene moiety. <i>Journal of Applied Polymer Science</i> , 2001, 81, 1487-1492. | 2.6 | 6 |
| 54 | 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 |

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|----|---|------|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | Migration of diadromous and landlocked smelt populations studied by otolith geochemistry. <i>Fisheries Research</i> , 2015, 167, 123-131. | 1.7 | 5 |
| 58 | Practicalities of Working with DGT. , 0, , 263-290. | | 3 |
| 59 | Leaching of two northern France slag heaps: Influence on the surrounding aquatic environment. <i>Environmental Pollution</i> , 2020, 257, 113601. | 7.5 | 2 |
| 60 | High resolution profiles of trace metals in pore waters of marine and riverine sediments assessed by DET and DGT. <i>Diqiu Huaxue</i> , 2006, 25, 199-199. | 0.5 | 0 |