

Yong Cai

List of Publications by Year in descending order

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153
papers

8,237
citations

46918

47
h-index

54797

84
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176
all docs

176
docs citations

176
times ranked

7829
citing authors

#	ARTICLE	IF	CITATIONS
1	A fern that hyperaccumulates arsenic. <i>Nature</i> , 2001, 409, 579-579.	13.7	1,538
2	Cr(VI) Adsorption and Reduction by Humic Acid Coated on Magnetite. <i>Environmental Science & Technology</i> , 2014, 48, 8078-8085.	4.6	378
3	Arsenic speciation and distribution in an arsenic hyperaccumulating plant. <i>Science of the Total Environment</i> , 2002, 300, 167-177.	3.9	356
4	Distribution Patterns of Inorganic Mercury and Methylmercury in Tissues of Rice (<i>Oryza sativa</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2010, 58, 4951-4958.	2.4	183
5	Adsorption and Photocatalyzed Oxidation of Methylated Arsenic Species in TiO ₂ Suspensions. <i>Environmental Science & Technology</i> , 2007, 41, 5471-5477.	4.6	150
6	Determination of methylmercury in fish and river water samples using in situ sodium tetraethylborate derivatization following by solid-phase microextraction and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1995, 696, 113-122.	1.8	146
7	Complexation of Arsenite with Humic Acid in the Presence of Ferric Iron. <i>Environmental Science & Technology</i> , 2011, 45, 3210-3216.	4.6	146
8	Assessment of arsenic mobility in the soils of some golf courses in South Florida. <i>Science of the Total Environment</i> , 2002, 291, 123-134.	3.9	121
9	Elemental mercury: Its unique properties affect its behavior and fate in the environment. <i>Environmental Pollution</i> , 2017, 229, 69-86.	3.7	120
10	Adsorption and photocatalytic degradation of aromatic organoarsenic compounds in TiO ₂ suspension. <i>Catalysis Today</i> , 2014, 224, 83-88.	2.2	118
11	Determination of organomercury compounds in aqueous samples by capillary gas chromatography-atomic fluorescence spectrometry following solid-phase extraction. <i>Analytica Chimica Acta</i> , 1996, 334, 251-259.	2.6	114
12	Demethylation of methylarsonic acid by a microbial community. <i>Environmental Microbiology</i> , 2011, 13, 1205-1215.	1.8	112
13	In situ Derivatization and Supercritical Fluid Extraction for the Simultaneous Determination of Butyltin and Phenyltin Compounds in Sediment. <i>Analytical Chemistry</i> , 1994, 66, 1161-1167.	3.2	95
14	TiO ₂ photocatalytic degradation of phenylarsonic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 210, 61-68.	2.0	95
15	Release of Arsenic to the Environment from CCA-Treated Wood. 1. Leaching and Speciation during Service. <i>Environmental Science & Technology</i> , 2006, 40, 988-993.	4.6	94
16	Release of Arsenic to the Environment from CCA-Treated Wood. 2. Leaching and Speciation during Disposal. <i>Environmental Science & Technology</i> , 2006, 40, 994-999.	4.6	94
17	Speciation and analysis of mercury, arsenic, and selenium by atomic fluorescence spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2000, 19, 62-66.	5.8	92
18	Ethylmercury in the Soils and Sediments of the Florida Everglades. <i>Environmental Science & Technology</i> , 1997, 31, 302-305.	4.6	85

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19	Complexation of arsenite with dissolved organic matter: Conditional distribution coefficients and apparent stability constants. <i>Chemosphere</i> , 2010, 81, 890-896.	4.2	85
20	Stable silver isotope fractionation in the natural transformation process of silver nanoparticles. <i>Nature Nanotechnology</i> , 2016, 11, 682-686.	15.6	85
21	Thiol synthesis and arsenic hyperaccumulation in <i>Pteris vittata</i> (Chinese brake fern). <i>Environmental Pollution</i> , 2004, 131, 337-345.	3.7	84
22	Distribution of total and methylmercury in different ecosystem compartments in the Everglades: Implications for mercury bioaccumulation. <i>Environmental Pollution</i> , 2008, 153, 257-265.	3.7	80
23	Dispersion and stability of bare hematite nanoparticles: Effect of dispersion tools, nanoparticle concentration, humic acid and ionic strength. <i>Science of the Total Environment</i> , 2012, 419, 170-177.	3.9	80
24	Gas chromatographic determination of organomercury following aqueous derivatization with sodium tetraethylborate and sodium tetraphenylborate. <i>Journal of Chromatography A</i> , 2000, 876, 147-155.	1.8	76
25	Arsenic species and leachability in the fronds of the hyperaccumulator Chinese brake (<i>Pteris vittata</i>) TJ ETQq1 1 0.784314 rgBT /Overloc	3.7	75
26	Degradation of Methylmercury and Its Effects on Mercury Distribution and Cycling in the Florida Everglades. <i>Environmental Science & Technology</i> , 2010, 44, 6661-6666.	4.6	74
27	Mercury characterization in a soil sample collected nearby the DOE Oak Ridge Reservation utilizing sequential extraction and thermal desorption method. <i>Science of the Total Environment</i> , 2006, 369, 384-392.	3.9	70
28	Determination of arsenic in seagrass using inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2000, 55, 1411-1422.	1.5	68
29	Interactions between dissolved organic carbon and mercury species in surface waters of the Florida Everglades. <i>Applied Geochemistry</i> , 1999, 14, 395-407.	1.4	66
30	Determination of butylin compounds in sediment using gas chromatography-atomic absorption spectrometry: comparison of sodium tetrahydroborate and sodium tetraethylborate derivatization methods. <i>Analytica Chimica Acta</i> , 1993, 274, 243-251.	2.6	65
31	Low molecular weight thiols in arsenic hyperaccumulator <i>Pteris vittata</i> upon exposure to arsenic and other trace elements. <i>Environmental Pollution</i> , 2004, 129, 69-78.	3.7	65
32	Methylmercury Photodegradation in Surface Water of the Florida Everglades: Importance of Dissolved Organic Matter-Methylmercury Complexation. <i>Environmental Science & Technology</i> , 2014, 48, 7333-7340.	4.6	65
33	Development of magneto-plasmonic nanoparticles for multimodal image-guided therapy to the brain. <i>Nanoscale</i> , 2017, 9, 764-773.	2.8	62
34	Thiolated arsenicals in arsenic metabolism: Occurrence, formation, and biological implications. <i>Journal of Environmental Sciences</i> , 2016, 49, 59-73.	3.2	61
35	Extraction of arsenate and arsenite species from soils and sediments. <i>Environmental Pollution</i> , 2006, 141, 22-29.	3.7	60
36	Arsenic Transport and Transformation Associated with MSMA Application on a Golf Course Green. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 3556-3562.	2.4	59

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37	Progress in the study of mercury methylation and demethylation in aquatic environments. <i>Science Bulletin</i> , 2013, 58, 177-185.	1.7	59
38	Non-sea-salt sulfate, methanesulfonate, and nitrate aerosol concentrations and size distributions at Cape Grim, Tasmania. <i>Journal of Geophysical Research</i> , 1999, 104, 21695-21706.	3.3	58
39	Mechanisms of Efficient Arsenite Uptake by Arsenic Hyperaccumulator <i>Pteris vittata</i> . <i>Environmental Science & Technology</i> , 2011, 45, 9719-9725.	4.6	56
40	Adsorption kinetics and isotherms of arsenite and arsenate on hematite nanoparticles and aggregates. <i>Journal of Environmental Management</i> , 2017, 186, 261-267.	3.8	56
41	Determination of butyltin compounds in river sediment samples by gas chromatography-atomic absorption spectrometry following in situ derivatization with sodium tetraethylborate. <i>Journal of Analytical Atomic Spectrometry</i> , 1993, 8, 119-125.	1.6	55
42	Determination of methylmercury in fish and aqueous samples using solid-phase microextraction followed by gas chromatography-atomic fluorescence spectrometry. <i>Applied Organometallic Chemistry</i> , 1998, 12, 565-569.	1.7	55
43	Simultaneous Speciation of Methylmercury and Monoethylmercury by Aqueous Phenylation and Purge-and-Trap Preconcentration Followed by Atomic Spectrometry Detection. <i>Analytical Chemistry</i> , 2008, 80, 7163-7168.	3.2	55
44	Kinetic and Mechanistic Evaluation of Inorganic Arsenic Species Adsorption onto Humic Acid Grafted Magnetite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13540-13547.	1.5	54
45	Uptake and Transformation of Silver Nanoparticles and Ions by Rice Plants Revealed by Dual Stable Isotope Tracing. <i>Environmental Science & Technology</i> , 2019, 53, 625-633.	4.6	52
46	Field-scale leaching of arsenic, chromium and copper from weathered treated wood. <i>Environmental Pollution</i> , 2010, 158, 1479-1486.	3.7	51
47	Darinaparsin induces a unique cellular response and is active in an arsenic trioxide-resistant myeloma cell line. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 1197-1206.	1.9	49
48	Interactions of Arsenic and the Dissolved Substances Derived from Turf Soils. <i>Environmental Science & Technology</i> , 2006, 40, 4659-4665.	4.6	48
49	On-line preconcentration of selenium(IV) and selenium(VI) in aqueous matrices followed by liquid chromatography-inductively coupled plasma mass spectrometry determination. <i>Analytica Chimica Acta</i> , 1995, 314, 183-192.	2.6	47
50	Fumigant methyl iodide can methylate inorganic mercury species in natural waters. <i>Nature Communications</i> , 2014, 5, 4633.	5.8	47
51	Evaluation of the Possible Sources and Controlling Factors of Toxic Metals/Metalloids in the Florida Everglades and Their Potential Risk of Exposure. <i>Environmental Science & Technology</i> , 2015, 49, 9714-9723.	4.6	46
52	Hydroxyl Radical Mediated Degradation of Phenylarsonic Acid. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7819-7824.	1.1	45
53	The fate of mercury in municipal wastewater treatment plants in China: Significance and implications for environmental cycling. <i>Journal of Hazardous Materials</i> , 2016, 306, 1-7.	6.5	44
54	Arsenic Speciation of Solvent-Extracted Leachate from New and Weathered CCA-Treated Wood. <i>Environmental Science & Technology</i> , 2004, 38, 4527-4534.	4.6	43

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55	Occurrence and speciation of polymeric chromium(III), monomeric chromium(III) and chromium(VI) in environmental samples. <i>Chemosphere</i> , 2016, 156, 14-20.	4.2	42
56	Rapid determination of methyltin compounds in aqueous samples using solid phase microextraction and capillary gas chromatography following in-situ derivatization with sodium tetraethylborate. <i>Journal of High Resolution Chromatography</i> , 1995, 18, 767-770.	2.0	41
57	Photocatalytic removal of inorganic and organic arsenic species from aqueous solution using zinc oxide semiconductor. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 653-659.	1.6	41
58	Arsenic Speciation on Silver Nanofilms by Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 8280-8288.	3.2	41
59	Arsenic complexes in the arsenic hyperaccumulator <i>Pteris vittata</i> (Chinese brake fern). <i>Journal of Chromatography A</i> , 2004, 1043, 249-254.	1.8	39
60	Speciation, formation, stability and analytical challenges of human arsenic metabolites. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1397.	1.6	39
61	PM2.5 induces vascular permeability increase through activating MAPK/ERK signaling pathway and ROS generation. <i>Journal of Hazardous Materials</i> , 2020, 386, 121659.	6.5	39
62	Elemental Mercury in Natural Waters: Occurrence and Determination of Particulate Hg(0). <i>Environmental Science & Technology</i> , 2015, 49, 9742-9749.	4.6	38
63	Estimation of the Major Source and Sink of Methylmercury in the Florida Everglades. <i>Environmental Science & Technology</i> , 2012, 46, 5885-5893.	4.6	37
64	Investigating Uptake and Translocation of Mercury Species by Sawgrass (<i>Cladium jamaicense</i>) Using a Stable Isotope Tracer Technique. <i>Environmental Science & Technology</i> , 2013, 47, 9678-9684.	4.6	37
65	Organic compounds and trace metals of anthropogenic origin in sediments from Montego Bay, Jamaica: assessment of sources and distribution pathways. <i>Environmental Pollution</i> , 2003, 123, 291-299.	3.7	35
66	Phytoremediation of arsenic-contaminated groundwater using arsenic hyperaccumulator <i>Pteris vittata</i> L.: Effects of frond harvesting regimes and arsenic levels in refill water. <i>Journal of Hazardous Materials</i> , 2011, 185, 983-989.	6.5	35
67	Critical role of natural organic matter in photodegradation of methylmercury in water: Molecular weight and interactive effects with other environmental factors. <i>Science of the Total Environment</i> , 2017, 578, 535-541.	3.9	35
68	Evidence of Foodborne Transmission of the Coronavirus (COVID-19) through the Animal Products Food Supply Chain. <i>Environmental Science & Technology</i> , 2021, 55, 2713-2716.	4.6	35
69	Mercury Mass Budget Estimates and Cycling Seasonality in the Florida Everglades. <i>Environmental Science & Technology</i> , 2008, 42, 1954-1960.	4.6	34
70	Tracing the Uptake, Transport, and Fate of Mercury in Sawgrass (<i>Cladium jamaicense</i>) in the Florida Everglades Using a Multi-isotope Technique. <i>Environmental Science & Technology</i> , 2018, 52, 3384-3391.	4.6	34
71	Arsenic and phosphorus in seagrass leaves from the Gulf of Mexico. <i>Aquatic Botany</i> , 2001, 71, 247-258.	0.8	33
72	A mass balance approach for evaluating leachable arsenic and chromium from an in-service CCA-treated wood structure. <i>Science of the Total Environment</i> , 2007, 372, 624-635.	3.9	33

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73	Selective Reduction of Cr(VI) in Chromium, Copper and Arsenic (CCA) Mixed Waste Streams Using UV/TiO ₂ Photocatalysis. <i>Molecules</i> , 2015, 20, 2622-2635.	1.7	31
74	Occurrence of Methylmercury in Rice-Based Infant Cereals and Estimation of Daily Dietary Intake of Methylmercury for Infants. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 9569-9578.	2.4	31
75	Possible alkylation of inorganic Hg(II) by photochemical processes in the environment. <i>Chemosphere</i> , 2012, 88, 8-16.	4.2	30
76	Analytical methods, formation, and dissolution of cinnabar and its impact on environmental cycle of mercury. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 2415-2447.	6.6	30
77	Thiolation in arsenic metabolism: a chemical perspective. <i>Metallomics</i> , 2018, 10, 1368-1382.	1.0	30
78	Loss and Increase of the Electron Exchange Capacity of Natural Organic Matter during Its Reduction and Reoxidation: The Role of Quinone and Nonquinone Moieties. <i>Environmental Science & Technology</i> , 2022, 56, 6744-6753.	4.6	30
79	Determination of multiple human arsenic metabolites employing high performance liquid chromatography inductively coupled plasma mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1009-1010, 55-65.	1.2	29
80	Probing the DOM-mediated photodegradation of methylmercury by using organic ligands with different molecular structures as the DOM model. <i>Water Research</i> , 2018, 138, 264-271.	5.3	29
81	Spatial Variability in Mercury Cycling and Relevant Biogeochemical Controls in the Florida Everglades. <i>Environmental Science & Technology</i> , 2009, 43, 4361-4366.	4.6	28
82	Occurrence of monoethylmercury in the Florida Everglades: Identification and verification. <i>Environmental Pollution</i> , 2010, 158, 3378-3384.	3.7	28
83	Efficiency of tributyltin extraction from rhine river sediment. <i>Mikrochimica Acta</i> , 1992, 109, 67-71.	2.5	26
84	Studying arsenite-humic acid complexation using size exclusion chromatography-inductively coupled plasma mass spectrometry. <i>Journal of Hazardous Materials</i> , 2013, 262, 1223-1229.	6.5	26
85	Metal Tolerance, Accumulation, and Detoxification in Plants with Emphasis on Arsenic in Terrestrial Plants. <i>ACS Symposium Series</i> , 2002, , 95-114.	0.5	24
86	Role of soil-derived dissolved substances in arsenic transport and transformation in laboratory experiments. <i>Science of the Total Environment</i> , 2008, 406, 180-189.	3.9	24
87	Arsenic toxicity in the human nerve cell line SK-N-SH in the presence of chromium and copper. <i>Chemosphere</i> , 2013, 91, 1082-1087.	4.2	24
88	Mobility of toxic metals in sediments: Assessing methods and controlling factors. <i>Journal of Environmental Sciences</i> , 2015, 31, 203-205.	3.2	22
89	Mercury and arsenic in processed fins from nine of the most traded shark species in the Hong Kong and China dried seafood markets: The potential health risks of shark fin soup. <i>Marine Pollution Bulletin</i> , 2020, 157, 111281.	2.3	22
90	Aging and phytoavailability of newly introduced and legacy cadmium in paddy soil and their bioaccessibility in rice grain distinguished by enriched isotope tracing. <i>Journal of Hazardous Materials</i> , 2021, 417, 125998.	6.5	22

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91	Dimethylarsinothiyl Glutathione as a Metabolite in Human Multiple Myeloma Cell Lines upon Exposure to Darinaparsin. <i>Chemical Research in Toxicology</i> , 2014, 27, 754-764.	1.7	21
92	Release of legacy mercury and effect of aquaculture on mercury biogeochemical cycling in highly polluted Ya-Er Lake, China. <i>Chemosphere</i> , 2021, 275, 130011.	4.2	21
93	Possible pathways for mercury methylation in oxic marine waters. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 3997-4015.	6.6	21
94	Dithizone-functionalized C18 online solid-phase extraction-HPLC-ICP-MS for speciation of ultra-trace organic and inorganic mercury in cereals and environmental samples. <i>Journal of Environmental Sciences</i> , 2022, 115, 403-410.	3.2	20
95	Purification and Characterization of Thiols in an Arsenic Hyperaccumulator under Arsenic Exposure. <i>Analytical Chemistry</i> , 2003, 75, 7030-7035.	3.2	19
96	Distinct toxicological characteristics and mechanisms of Hg ²⁺ and MeHg in <i>Tetrahymena</i> under low concentration exposure. <i>Aquatic Toxicology</i> , 2017, 193, 152-159.	1.9	19
97	Occurrence, speciation and fate of mercury in the sewage sludge of China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 186, 109787.	2.9	19
98	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. <i>Environmental Science: Nano</i> , 2020, 7, 599-609.	2.2	19
99	Understanding foliar accumulation of atmospheric Hg in terrestrial vegetation: Progress and challenges. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 4331-4352.	6.6	19
100	Ultra-sensitive quantification of lysozyme based on element chelate labeling and capillary electrophoresis-inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 812, 12-17.	2.6	18
101	Biomagnification of mercury in mollusks from coastal areas of the Chinese Bohai Sea. <i>RSC Advances</i> , 2015, 5, 40036-40045.	1.7	18
102	Size distribution measurements of dissolved organic carbon in natural waters using ultrafiltration technique. <i>Water Research</i> , 1999, 33, 3056-3060.	5.3	17
103	Legacy and Fate of Mercury and Methylmercury in the Florida Everglades. <i>Environmental Science & Technology</i> , 2011, 45, 496-501.	4.6	15
104	Evaluating the role of re-adsorption of dissolved Hg ²⁺ during cinnabar dissolution using isotope tracer technique. <i>Journal of Hazardous Materials</i> , 2016, 317, 466-475.	6.5	15
105	Occurrence of Mercurous [Hg(I)] Species in Environmental Solid Matrices as Probed by Mild 2-Mercaptoethanol Extraction and HPLC-ICP-MS Analysis. <i>Environmental Science and Technology Letters</i> , 2020, 7, 482-488.	3.9	15
106	Transport and interaction of arsenic, chromium, and copper associated with CCA-treated wood in columns of sand and sand amended with peat. <i>Chemosphere</i> , 2010, 78, 989-995.	4.2	14
107	Geochemical modeling of mercury speciation in surface water and implications on mercury cycling in the everglades wetland. <i>Science of the Total Environment</i> , 2018, 640-641, 454-465.	3.9	14
108	Decreased bioavailability of both inorganic mercury and methylmercury in anaerobic sediments by sorption on iron sulfide nanoparticles. <i>Journal of Hazardous Materials</i> , 2022, 424, 127399.	6.5	14

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109	Characterization and speciation of mercury in mosses and lichens from the high-altitude Tibetan Plateau. <i>Environmental Geochemistry and Health</i> , 2017, 39, 475-482.	1.8	13
110	Facile Photoinduced Generation of Hydroxyl Radical on a Nitrocellulose Membrane Surface and its Application in the Degradation of Organic Pollutants. <i>ChemSusChem</i> , 2018, 11, 843-847.	3.6	13
111	Speciation of thioarsenicals through application of coffee ring effect on gold nanofilm and surface-enhanced Raman spectroscopy. <i>Analytica Chimica Acta</i> , 2020, 1106, 88-95.	2.6	13
112	Dark Reduction of Mercury by Microalgae-Associated Aerobic Bacteria in Marine Environments. <i>Environmental Science & Technology</i> , 2021, 55, 14258-14268.	4.6	13
113	Metal concentrations in osprey (<i>Pandion haliaetus</i>) populations in the Florida Bay estuary. <i>Ecotoxicology</i> , 2008, 17, 616-622.	1.1	12
114	Extraction tool and matrix effects on arsenic speciation analysis in cell lines. <i>Analytica Chimica Acta</i> , 2011, 699, 187-192.	2.6	12
115	Trace metal profiles in mosses and lichens from the high-altitude Tibetan Plateau. <i>RSC Advances</i> , 2016, 6, 541-546.	1.7	12
116	Periphyton as an important source of methylmercury in Everglades water and food web. <i>Journal of Hazardous Materials</i> , 2021, 410, 124551.	6.5	12
117	Mobility and speciation of arsenic in the coal fly ashes collected from the Savannah River Site (SRS). <i>Chemosphere</i> , 2016, 151, 138-144.	4.2	11
118	Enriched isotope tracing to reveal the fractionation and lability of legacy and newly introduced cadmium under different amendments. <i>Journal of Hazardous Materials</i> , 2021, 403, 123975.	6.5	11
119	Alterations in Glutathione Levels and Apoptotic Regulators Are Associated with Acquisition of Arsenic Trioxide Resistance in Multiple Myeloma. <i>PLoS ONE</i> , 2012, 7, e52662.	1.1	11
120	Legacy source of mercury in an urban streamâ€™ wetland ecosystem in central North Carolina, USA. <i>Chemosphere</i> , 2015, 138, 960-965.	4.2	9
121	Raman spectra of thiolated arsenicals with biological importance. <i>Talanta</i> , 2018, 179, 520-530.	2.9	9
122	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. <i>Analytical Chemistry</i> , 2020, 92, 14872-14877.	3.2	9
123	Removal of As(III) from Water Using the Adsorptive and Photocatalytic Properties of Humic Acid-Coated Magnetite Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 1604.	1.9	8
124	Leaching behavior and transformation of total mercury and methylmercury from raw and lime-conditioned sewage sludge under simulated rain. <i>Chemosphere</i> , 2021, 262, 127791.	4.2	8
125	Gaseous Elemental Mercury [Hg(0)] Oxidation in Poplar Leaves through a Two-Step Single-Electron Transfer Process. <i>Environmental Science and Technology Letters</i> , 2021, 8, 1098-1103.	3.9	8
126	Particle-Bound Hg(II) is Available for Microbial Uptake as Revealed by a Whole-Cell Biosensor. <i>Environmental Science & Technology</i> , 2022, 56, 6754-6764.	4.6	8

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127	Atomic Fluorescence Determination of Selenium Using Hydride Generation Technique. <i>International Journal of Environmental Analytical Chemistry</i> , 2001, 79, 97-109.	1.8	7
128	Influence of dissolved organic matter on methylmercury transformation during aerobic composting of municipal sewage sludge under different C/N ratios. <i>Journal of Environmental Sciences</i> , 2022, 119, 130-138.	3.2	7
129	Chapter 31 Arsenic speciation in soils: an analytical challenge for understanding arsenic biogeochemistry. <i>Developments in Environmental Science</i> , 2007, , 685-708.	0.5	6
130	Refining mercury emission estimations to the atmosphere from iron and steel production. <i>Journal of Environmental Sciences</i> , 2016, 43, 1-3.	3.2	6
131	Potential application of SERS for arsenic speciation in biological matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4683-4695.	1.9	6
132	Environmental chemistry and toxicology of heavy metals. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110926.	2.9	6
133	Challenges for utilization and management of crop straw from Cd-contaminated soil. <i>Soil Use and Management</i> , 2022, 38, 1337-1339.	2.6	6
134	Platinum-Nanoparticle-Modified Single-Walled Carbon Nanotube-Laden Paper Electrodes for Electrocatalytic Oxidation of Methanol. <i>ACS Applied Nano Materials</i> , 2021, 4, 13798-13806.	2.4	6
135	Mercury isotope fractionation during methylmercury transport and transformation: A review focusing on analytical method, fractionation characteristics, and its application. <i>Science of the Total Environment</i> , 2022, 841, 156558.	3.9	6
136	The Roles of Hydroxyl Radical, Superoxide Anion Radical, and Hydrogen Peroxide in the Oxidation of Arsenite by Ultrasonic Irradiation. <i>ACS Symposium Series</i> , 2005, , 333-343.	0.5	5
137	Occurrence and leaching of silver in municipal sewage sludge in China. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 109929.	2.9	5
138	Influence of Physical Factors on Trichloroethylene Evaporation from Surface Water. <i>Water, Air, and Soil Pollution</i> , 2007, 183, 153-163.	1.1	4
139	Effects of physical disturbance of sediment on the cycling of mercury in coastal regions. <i>Science of the Total Environment</i> , 2022, 838, 156298.	3.9	4
140	Biogeochemistry of Environmentally Important Trace Elements: Overview. <i>ACS Symposium Series</i> , 2002, , 1-10.	0.5	3
141	Comment on "Evaluating landfill disposal of chromated copper arsenate (CCA) treated wood and potential effects on groundwater: Evidence from Florida" by Jennifer K. Saxe, Eric J. Wannamaker, Scott W. Conklin, Todd F. Shupe and Barbara D. Beck [<i>Chemosphere</i> 66 (3) (2007) 496-504]. <i>Chemosphere</i> , 2008, 70, 1930-1931.	4.2	3
142	Reactions of Ultrasonically Generated Hydroxyl Radicals with Arsenic in Aqueous Environments. <i>ACS Symposium Series</i> , 2002, , 84-94.	0.5	2
143	Investigation of disulfonamide ligands derived from phenylenediamine and their Pb(II) complexes by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 303-308.	0.7	2
144	Unrefined humic substances as a potential low-cost amendment for the management of acidic groundwater contamination. <i>Journal of Environmental Management</i> , 2018, 212, 210-218.	3.8	2

#	ARTICLE	IF	CITATIONS
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