

Hazards of heavy metal contamination

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Micro spatial distributions of lead and zinc in human deciduous tooth enamel. , 0, , 87-110.		8
2	Concentrations of Surface-Dust Metals in Native American Jewelry-Making Homes in Zuni Pueblo, New Mexico. Archives of Environmental Health, 2004, 59, 245-249.	0.4	16
3	Calcium-Mediated Activation of c-Jun NH2-Terminal Kinase (JNK) and Apoptosis in Response to Cadmium in Murine Macrophages. Toxicological Sciences, 2004, 81, 518-527.	1.4	77
4	Use of water 'softening and conditioning systems' significantly increases the risk of periodontitis: smoking considerations. Journal of Periodontal Research, 2004, 39, 367-372.	1.4	0
5	SAFETY OF DENTAL AMALGAM. Journal of Esthetic and Restorative Dentistry, 2004, 16, 377-388.	1.8	5
6	The health benefits of omega-3 polyunsaturated fatty acids: a review of the evidence. Journal of Human Nutrition and Dietetics, 2004, 17, 449-459.	1.3	615
7	Simultaneous determination of trace mercury and cadmium in tobacco samples by cold vapor generation-atomic fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2004, 19, 911.	1.6	18
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17	Dietary intake and health effects of selected toxic elements. Brazilian Journal of Plant Physiology, 2005, 17, 79-93.	0.5	79
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117	Oligonucleotide-Based Fluorescence Probe for Sensitive and Selective Detection of Mercury(II) in Aqueous Solution. <i>Analytical Chemistry</i> , 2008, 80, 3716-3721.	3.2	307
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1519	Heavy metals in miscarriages and stillbirths in developing nations. <i>Middle East Fertility Society Journal</i> , 2017, 22, 91-100.	0.5	76
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1529	Lead speciation analysis in rice by reversed phase chromatography with inductively coupled plasma mass spectrometry. <i>Journal of Food Composition and Analysis</i> , 2017, 60, 74-80.	1.9	12
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1561	Metal compartmentalization in different biomass portions of <i>Helianthus annuus</i> L. and <i>Sorghum bicolor</i> L. grown in an agricultural field inside an urban fabric. <i>Applied Soil Ecology</i> , 2017, 121, 118-126.	2.1	24
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1809	Assisted phytostabilization of a multicontaminated mine technosol using biochar amendment: Early stage evaluation of biochar feedstock and particle size effects on As and Pb accumulation of two Salicaceae species (<i>Salix viminalis</i> and <i>Populus euramericana</i>). <i>Chemosphere</i> , 2018, 194, 316-326.	4.2	57
1810	Consumption of water from ex-mining ponds in Klang Valley and Melaka, Malaysia: A health risk study. <i>Chemosphere</i> , 2018, 195, 641-652.	4.2	18
1811	Cortex and hippocampus DNA epigenetic response to a long-term arsenic exposure via drinking water. <i>Environmental Pollution</i> , 2018, 234, 590-600.	3.7	47
1812	Titanate Fibroin Nanocomposites: A Novel Approach for the Removal of Heavy-Metal Ions from water. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 651-659.	4.0	37
1813	Highly efficient removal of uranium(VI) from aqueous solutions by poly(acrylic acid-co-acrylamide) hydrogels. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 315, 211-221.	0.7	20
1814	Fungal-Based Nanotechnology for Heavy Metal Removal. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 229-253.	0.3	4
1815	Three-dimensional honeycomb-like porous carbon derived from corncob for the removal of heavy metals from water by capacitive deionization. <i>RSC Advances</i> , 2018, 8, 1159-1167.	1.7	43
1816	Chromatographic Separation and Visual Detection on Wicking Microfluidic Devices: Quantitation of Cu ²⁺ in Surface, Ground, and Drinking Water. <i>Analytical Chemistry</i> , 2018, 90, 2594-2600.	3.2	23
1817	Heavy Metal Pollution and Remediation. , 2018, , 359-373.		76
1818	Human Health Effects Emanating from Airborne Heavy Metals Due to Natural and Anthropogenic Activities: A Review. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2018, , 279-296.	0.3	13
1819	Review: Nutritional ecology of heavy metals. <i>Animal</i> , 2018, 12, 2156-2170.	1.3	122
1820	Adsorption of Pb(II) from aqueous solution using a magnetic chitosan/graphene oxide composite and its toxicity studies. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 1142-1150.	3.6	155
1821	Quality assessment of commercially supplied drinking jar water in Chittagong City, Bangladesh. <i>Applied Water Science</i> , 2018, 8, 1.	2.8	6
1822	A systematic study for removal of heavy metals from aqueous media using <i>Sorghum bicolor</i> : an efficient biosorbent. <i>Water Science and Technology</i> , 2018, 77, 2355-2368.	1.2	22
1823	Use of spider webs as indicators of air quality assessment of Lahore City. <i>Water and Environment Journal</i> , 2018, 32, 292-300.	1.0	3
1824	Levels, temporal trend and health risk assessment of five heavy metals in fresh vegetables marketed in Guangdong Province of China during 2014â€“2017. <i>Food Control</i> , 2018, 92, 107-120.	2.8	38
1825	A systemic ecological risk assessment based on spatial distribution and source apportionment in the abandoned lead acid battery plant zone, China. <i>Journal of Hazardous Materials</i> , 2018, 354, 170-179.	6.5	36

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1828	Waterborne Cd ²⁺ weakens the immune responses of blood clam through impacting Ca ²⁺ signaling and Ca ²⁺ related apoptosis pathways. <i>Fish and Shellfish Immunology</i> , 2018, 77, 208-213.	1.6	40
1829	Mining legacy across a wetland landscape: high mercury in Upper Peninsula (Michigan) rivers, lakes, and fish. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 708-733.	1.7	13
1830	Heavy metal contamination in soils and vegetables and health risk assessment of inhabitants in Daye, China. <i>Journal of International Medical Research</i> , 2018, 46, 3374-3387.	0.4	57
1831	Spatio-temporal data mining and modeling: distribution pattern and governance input efficiency of heavy metal emission in industrial wastewater, China. <i>Journal of Water and Climate Change</i> , 2018, 9, 307-321.	1.2	4
1832	Structural Incorporation of Manganese into Goethite and Its Enhancement of Pb(II) Adsorption. <i>Environmental Science & Technology</i> , 2018, 52, 4719-4727.	4.6	74
1833	Smelling the metal: Volatile organic compound emission under Zn excess in the mint <i>Tetradenia riparia</i> . <i>Plant Science</i> , 2018, 271, 1-8.	1.7	10
1834	Novel Genes of Hyperaccumulator Ferns in Arsenic Tolerance, Uptake, and Metabolism: Implications for Crop Improvement. , 2018, , 361-379.		1
1835	Hierarchically porous, ultra-strong reduced graphene oxide-cellulose nanocrystal sponges for exceptional adsorption of water contaminants. <i>Nanoscale</i> , 2018, 10, 7171-7184.	2.8	75
1836	Bryophytes and heavy metals: a review. <i>Acta Botanica Croatica</i> , 2018, 77, 109-118.	0.3	75
1837	Counteractive mechanism (s) of salicylic acid in response to lead toxicity in <i>Brassica juncea</i> (L.) Czern. cv. <i>Varuna</i> . <i>Planta</i> , 2018, 248, 49-68.	1.6	56
1838	Polystyrene photonic crystals as optical sensors for volatile organic compounds. <i>Materials Chemistry and Physics</i> , 2018, 212, 274-281.	2.0	33
1839	Synthesis of multifunctional activated carbon nanocomposite comprising biocompatible flake nano hydroxyapatite and natural turmeric extract for the removal of bacteria and lead ions from aqueous solution. <i>Chemistry Central Journal</i> , 2018, 12, 18.	2.6	30
1840	Cost-Effectiveness Analysis for Soil Heavy Metal Contamination Treatments. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	36
1841	Functionalization of <i>Moringa oleifera</i> gum for use as Hg ²⁺ ions adsorbent. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1805-1813.	3.3	39
1842	Assessing the chemical and microbiological quality of farmed tilapia in Egyptian fresh fish markets. <i>Global Food Security</i> , 2018, 17, 14-20.	4.0	13
1843	Highly efficient heavy-metal extraction from water with carboxylated graphene nanoflakes. <i>RSC Advances</i> , 2018, 8, 11043-11050.	1.7	27
1844	Organophosphorus flame retardants and heavy metals in municipal landfill leachate treatment system in Guangzhou, China. <i>Environmental Pollution</i> , 2018, 236, 137-145.	3.7	47

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1846	Polymetallic pollution from abandoned mines in Mediterranean regions: a multidisciplinary approach to environmental risks. <i>Regional Environmental Change</i> , 2018, 18, 677-692.	1.4	37
1847	Whole blood and hair trace elements and minerals in children living in metal-polluted area near copper smelter in Karabash, Chelyabinsk region, Russia. <i>Environmental Science and Pollution Research</i> , 2018, 25, 2014-2020.	2.7	20
1848	Contemporary sources and levels of heavy metal contamination in urban soil of Broken Hill, Australia after ad hoc land remediation. <i>International Journal of Mining, Reclamation and Environment</i> , 2018, 32, 18-34.	1.2	5
1849	Total arsenic concentrations in Chinese children's urine by different geographic locations, ages, and genders. <i>Environmental Geochemistry and Health</i> , 2018, 40, 1027-1036.	1.8	11
1850	Potential health risks due to heavy metal uptake via consumption of <i>Thunnus thynnus</i> from the northern Levantine Sea. <i>Toxin Reviews</i> , 2018, 37, 56-61.	1.5	8
1851	Concentrations and analysis of health risks of ambient air metallic elements at Longjing site in central Taiwan. <i>Environmental Geochemistry and Health</i> , 2018, 40, 461-472.	1.8	14
1852	Amino-functionalized magnetic bacterial cellulose/activated carbon composite for Pb ²⁺ and methyl orange sorption from aqueous solution. <i>Journal of Materials Science and Technology</i> , 2018, 34, 855-863.	5.6	73
1853	Prospective associations between environmental heavy metal exposure and renal outcomes in adults with chronic kidney disease. <i>Nephrology</i> , 2018, 23, 830-836.	0.7	35
1854	Hg selective adsorption on polypropylene-based hollow fiber grafted with polyacrylamide. <i>Adsorption Science and Technology</i> , 2018, 36, 287-299.	1.5	11
1855	Death by food. <i>Forensic Science, Medicine, and Pathology</i> , 2018, 14, 395-401.	0.6	17
1856	The effect of hot water pretreatment on the heavy metal adsorption capacity of acid insoluble lignin from <i>Paulownia elongata</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1105-1112.	1.6	8
1857	Studies on seasonal pollution of heavy metals in water, sediment, fish and oyster from the Meiliang Bay of Taihu Lake in China. <i>Chemosphere</i> , 2018, 191, 626-638.	4.2	277
1858	Effects of nickel toxicity on morphological and physiological aspects of osmoregulation in <i>Typha domingensis</i> (Typhaceae) populations. <i>Limnology</i> , 2018, 19, 185-197.	0.8	6
1859	Influence of diet in urinary levels of metals in a biomonitoring study of a child population of the Valencian region (Spain). <i>Science of the Total Environment</i> , 2018, 618, 1647-1657.	3.9	21
1860	Adsorption-pyrolysis technology for recovering heavy metals in solution using contaminated biomass phytoremediation. <i>Resources, Conservation and Recycling</i> , 2018, 129, 20-26.	5.3	41
1861	Serum lipid, lipoprotein and apolipoprotein profiles in workers exposed to low arsenic levels. <i>Toxicology Letters</i> , 2018, 282, 49-56.	0.4	27
1862	Multielement Analysis of South Serbian Strawberry Cultivars by Inductively Coupled Plasma-Optical Emission Spectrometry. <i>Analytical Letters</i> , 2018, 51, 1417-1432.	1.0	2

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1865	Cadmium determination in Chilean blue mussels <i>Mytilus chilensis</i> : Implications for environmental and agronomic interest. <i>Marine Pollution Bulletin</i> , 2018, 129, 913-917.	2.3	8
1866	Advances and challenges to the commercialization of organic–inorganic halide perovskite solar cell technology. <i>Materials Today Energy</i> , 2018, 7, 169-189.	2.5	231
1867	Biosorption of transition metals by freely suspended and Ca-alginate immobilised with <i>Chlorella vulgaris</i> : Kinetic and equilibrium modeling. <i>Journal of Cleaner Production</i> , 2018, 171, 1361-1375.	4.6	126
1868	Fabrication of porous covalent organic frameworks as selective and advanced adsorbents for the on-line preconcentration of trace elements against the complex sample matrix. <i>Journal of Hazardous Materials</i> , 2018, 344, 220-229.	6.5	92
1869	Assessment of residential soil contamination with arsenic and lead in mining and smelting towns of northern Armenia. <i>Journal of Geochemical Exploration</i> , 2018, 184, 97-109.	1.5	40
1870	Comparative In Vitro Toxicity Evaluation of Heavy Metals (Lead, Cadmium, Arsenic, and Methylmercury) on HT-22 Hippocampal Cell Line. <i>Biological Trace Element Research</i> , 2018, 184, 226-239.	1.9	34
1871	Metal–organic frameworks for solar energy conversion by photoredox catalysis. <i>Coordination Chemistry Reviews</i> , 2018, 373, 83-115.	9.5	146
1872	Exposure to lead and mercury through breastfeeding during the first month of life: A CHECK cohort study. <i>Science of the Total Environment</i> , 2018, 612, 876-883.	3.9	38
1873	Ecotoxicological effects of binary mixtures of siduron and Cd on mRNA expression in the earthworm <i>Eisenia fetida</i> . <i>Science of the Total Environment</i> , 2018, 610-611, 657-665.	3.9	28
1874	In Situ Synthesized Hydroxyapatite–Cellulose Nanofibrils as Biosorbents for Heavy Metal Ions Removal. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2130-2141.	2.4	38
1876	Concentrations and Exposure Evaluation of Metals in Diverse Food Items from Chengdu, China. <i>Archives of Environmental Contamination and Toxicology</i> , 2018, 74, 131-139.	2.1	13
1877	Metabolomic analysis of the toxic effect of chronic exposure of cadmium on rat urine. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3765-3774.	2.7	27
1878	Slow pyrolysis of bio-oil and studies on chemical and physical properties of the resulting new bio-carbon. <i>Journal of Cleaner Production</i> , 2018, 172, 2748-2758.	4.6	44
1879	Heavy metals and lead isotopes in soils, road dust and leafy vegetables and health risks via vegetable consumption in the industrial areas of Shanghai, China. <i>Science of the Total Environment</i> , 2018, 619-620, 1349-1357.	3.9	202
1880	Fuzzy-based Probabilistic Ecological Risk Assessment Approach: A Case Study of Heavy Metal Contaminated Soil. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 419-431.	0.5	0
1881	Electrospun polystyrene-(emeraldine base) mats as high-performance materials for dye removal from aqueous media. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 82, 300-311.	2.7	21

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1883	Identifying Sources of Environmental Contamination in European Honey Bees (<i>Apis mellifera</i>) Using Trace Elements and Lead Isotopic Compositions. <i>Environmental Science & Technology</i> , 2018, 52, 991-1001.	4.6	65
1884	Biochar application for the remediation of heavy metal polluted land: A review of in situ field trials. <i>Science of the Total Environment</i> , 2018, 619-620, 815-826.	3.9	429
1885	Groundwater-based water wells characterization from Guinea Bissau (Western Africa): A risk evaluation for the local population. <i>Science of the Total Environment</i> , 2018, 619-620, 916-926.	3.9	29
1886	Nano-litter from cigarette butts: Environmental implications and urgent consideration. <i>Chemosphere</i> , 2018, 194, 125-130.	4.2	51
1887	Assessment of arsenic oxidation potential of <i>Microvirga indica</i> S-M11b sp. nov. in heavy metal polluted environment. <i>Chemosphere</i> , 2018, 195, 1-10.	4.2	23
1888	Effect of Pb ²⁺ Ions on Photoluminescence of ZnS-Coated AgInS ₂ Nanocrystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700450.	0.8	8
1889	Assessment of edibility and effect of arbuscular mycorrhizal fungi on <i>Solanum melongena</i> L. grown under heavy metal(loid) contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 318-326.	2.9	44
1890	Transcriptional profiling of antioxidant defense system and heat shock protein (Hsp) families in the cadmium- and copper-exposed marine ciliate <i>Euplotes crassus</i> . <i>Genes and Genomics</i> , 2018, 40, 85-98.	0.5	13
1891	Chelating polyacrylonitrile beads for removal of lead and cadmium from wastewater. <i>Separation and Purification Technology</i> , 2018, 193, 202-213.	3.9	76
1892	TiO ₂ -grafted cellulose via click reaction: an efficient heavy metal ions bioadsorbent from aqueous solutions. <i>Cellulose</i> , 2018, 25, 639-660.	2.4	41
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1894	Removal of Copper and Lead using Banana Biochar in Batch Adsorption Systems: Isotherms and Kinetic Studies. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 5711-5722.	1.7	66
1895	<i>Peumus boldus</i> attenuates copper-induced toxicity in <i>Drosophila melanogaster</i> . <i>Biomedicine and Pharmacotherapy</i> , 2018, 97, 1-8.	2.5	18
1896	Highly efficient fluorescence probe for copper (II) ions based on gold nanoclusters supported on wool keratin. <i>Journal of Materials Science</i> , 2018, 53, 4056-4066.	1.7	22
1897	Comparative Hair Trace Element Profile in the Population of Sakhalin and Taiwan Pacific Islands. <i>Biological Trace Element Research</i> , 2018, 184, 308-316.	1.9	9
1898	Phytoremediation Eco-models Using Indigenous Macrophytes and Phytomaterials. <i>Environmental Contamination Remediation and Management</i> , 2018, , 253-273.	0.5	0
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1901	A health risk assessment of heavy metals in people consuming Sohan in Qom, Iran. <i>Toxin Reviews</i> , 2018, 37, 278-286.	1.5	50
1902	The mechanism of protective effect of crocin against liver mitochondrial toxicity caused by arsenic III. <i>Toxicology Mechanisms and Methods</i> , 2018, 28, 105-114.	1.3	32
1903	Distribution Assessment and Source Identification Using Multivariate Statistical Analyses and Artificial Neural Networks for Trace Elements in Agricultural Soils in Xinzhou of Shanxi Province, China. <i>Pedosphere</i> , 2018, 28, 542-554.	2.1	5
1904	Transfer of Heavy Metals from Soils to Vegetables and Associated Human Health Risks at Selected Sites in Pakistan. <i>Pedosphere</i> , 2018, 28, 666-679.	2.1	63
1905	Profiling extractable and leachable inorganic impurities in ophthalmic drug containers by ICP-MS. <i>Pharmaceutical Development and Technology</i> , 2018, 23, 247-254.	1.1	5
1906	Reduction of heavy metal (Pb ²⁺) biosorption in zebrafish model using alginic acid purified from <i>Ecklonia cava</i> and two of its synthetic derivatives. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 330-337.	3.6	40
1907	Carboxymethyl-Chitosan Cross-Linked 3- Aminopropyltriethoxysilane Membrane for Speciation of Toxic Chromium from Water. , 0, , .		2
1908	Carbon Electrodes for Low Power Heavy Metal Sensing Using MoS ₂ Based Resistive Sensors. , 2018, , .		1
1910	Impacts of Blood Lead Level on Trace Element Status and Hematological Parameters in Anemic Children from Beni-Suef, Egypt. , 2018, 08, .		2
1911	Case study on phytoremediation driven energy crop production using <i>Sida hermaphrodita</i> . <i>International Journal of Phytoremediation</i> , 2018, 20, 1194-1204.	1.7	13
1912	A Review of Metal Exposure and Its Effects on Bone Health. <i>Journal of Toxicology</i> , 2018, 2018, 1-11.	1.4	148
1913	Recognition of trace organic pollutant and toxic metal ions via a tailored fluorescent metal-organic coordination polymer in water environment. <i>RSC Advances</i> , 2018, 8, 34712-34717.	1.7	5
1914	Aqueous polysulfide-ene-polymerization for sulfur-rich nanoparticles and their use in heavy metal ion remediation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23542-23549.	5.2	21
1915	Growth and metal uptake of edamame [<i>Glycine max</i> (L.) Merr.] on soil amended with biosolids and gypsum. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 2793-2801.	0.6	2
1916	Study on heavy metal content of <i>Oreochromis niloticus</i> , <i>Heteropneustes fossilis</i> and <i>Pangasius sutchi</i> collected from pond and open water. <i>Research in Agriculture, Livestock and Fisheries</i> , 2018, 5, 117-126.	0.1	1
1917	Effects of exogenous melatonin on growth and cadmium content of <i>Zizyphus acidopujuba</i> seedlings. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 199, 042006.	0.2	3
1918	Radon emanation and heavy-metals assessment of historical warm and cold springs in Nigeria using different matrices. <i>Environmental Systems Research</i> , 2018, 7, .	1.5	2

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1920	Are Socioeconomic Inequalities in Physical Health Mediated by Embodied Environmental Toxins?. <i>Socius</i> , 2018, 4, 237802311877146.	1.1	7
1921	Sorption characteristics of cadmium in a clay soil of Mae Ku creek, Tak Province, Thailand. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 150, 012009.	0.2	2
1922	Distribution, contamination, and health risk assessment of heavy metals in surface soils from northern Telangana, India. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	108
1923	Speciation study of copper, lead, chromium, cadmium and nickel in waters from fish pond and stream of Oke-Osun farm settlement, Osogbo, South Western, Nigeria.. <i>Ife Journal of Science</i> , 2018, 20, 33.	0.1	1
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1925	Risk characterization and surface water quality assessment of Manas River, Assam (India) with an emphasis on the TOPSIS method of multi-objective decision making. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	21
1926	Associations of renal function with urinary excretion of metals: Evidence from NHANES 2003â€“2012. <i>Environment International</i> , 2018, 121, 1355-1362.	4.8	91
1927	Copper and other heavy metals in grapes: a pilot study tracing influential factors and evaluating potential risks in China. <i>Scientific Reports</i> , 2018, 8, 17407.	1.6	13
1928	Use of isotope hydrology in groundwater conceptualization for modeling flow and contaminant transport at northwestern Sinai, Egypt. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 745.	1.3	2
1929	Speciation study of copper, lead, chromium, cadmium and nickel in waters from fish pond and stream of Oke-Osun Farm Settlement, Osogbo, South Western, Nigeria. <i>Ife Journal of Science</i> , 2018, 20, .	0.1	0
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1931	Assessment of the heavy metal contamination using GIS-based approach and pollution indices in agricultural soils from Beni Amir irrigated perimeter, Tadla plain, Morocco. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	33
1932	Novel Polymeric Adsorbent for the Remediation of Cu(II) Ions from Water. <i>Materials Horizons</i> , 2018, , 47-63.	0.3	0
1933	2D and 3D carbon-based adsorbents for an efficient removal of HgII ions: A review. <i>FlatChem</i> , 2018, 11, 1-14.	2.8	24
1934	Organic Transistor-Based Chemical Sensors for Wearable Bioelectronics. <i>Accounts of Chemical Research</i> , 2018, 51, 2829-2838.	7.6	130
1935	Determination of Heavy Metals (Pb, Zn, Cd, Cu) in Coastal Sediments and Fish Urban Area of Semarang, Indonesia. , 2018, 08, .		1
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1939	Classification of Rice Heavy Metal Stress Levels Based on Phenological Characteristics Using Remote Sensing Time-Series Images and Data Mining Algorithms. Sensors, 2018, 18, 4425.	2.1	4
1940	HSF1 mediated stress response of heavy metals. PLoS ONE, 2018, 13, e0209077.	1.1	22
1941	Comparative studies on the effect of environmental pollution on secondary metabolite contents and genotoxicity of two plants in Asir area, Saudi Arabia. Tropical Journal of Pharmaceutical Research, 2018, 17, 1599.	0.2	5
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1943	Leaching of Some Essential and Non-Essential Heavy Metals from Modern Glazed Ceramic Crockeries Imported into Qatar from China, India and Spain. Journal of Analytical & Bioanalytical Techniques, 2018, 09, .	0.6	1
1944	High-Affinity Detection and Capture of Heavy Metal Contaminants using Block Polymer Composite Membranes. ACS Central Science, 2018, 4, 1697-1707.	5.3	56
1945	Toxicant Deposition and Transport in Alveolus: A Classical Density Functional Prediction. Chemical Research in Toxicology, 2018, 31, 1398-1404.	1.7	1
1946	Geographic Analysis of Motor Neuron Disease Mortality and Heavy Metals Released to Rivers in Spain. International Journal of Environmental Research and Public Health, 2018, 15, 2522.	1.2	19
1947	A Case Study of Heavy Metal Pollution in Water of Bone River by Artisanal Small-Scale Gold Mine Activities in Eastern Part of Gorontalo, Indonesia. Water (Switzerland), 2018, 10, 1507.	1.2	48
1948	Role of Micro-organisms in Modulating Antioxidant Defence in Plants Exposed to Metal Toxicity. , 2018, , 303-335.		4
1949	Immobilization of Lead in Cathode Ray Tube Funnel Glass with Beneficial Use of Red Mud for Potential Application in Ceramic Industry. ACS Sustainable Chemistry and Engineering, 2018, 6, 14213-14220.	3.2	6
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1951	Heavy Metal Pollutome and Microbial Resistome Reciprocal Interaction and Its Impact on Human and Animal Matrices. , 2018, , .		0
1952	Recent Application of the Various Nanomaterials and Nanocatalysts for the Heavy Metalsâ€™™ Removal from Wastewater. Nano, 2018, 13, 1830006.	0.5	15
1953	Study of the adsorption process of heavy metals cations on Kraft lignin. Chemical Engineering Research and Design, 2018, 139, 248-258.	2.7	37
1954	Design of a portable luminescence bio-tool for on-site analysis of heavy metals in water samples. International Journal of Environmental Analytical Chemistry, 2018, 98, 1081-1094.	1.8	5

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1955	Environmental Pollution of Soil and Anthropogenic Impact of Polymetallic Hydrothermal Extractions: Case Study of Bregalnica River Basin, Republic of Macedonia. <i>Soil Biology</i> , 2018, , 27-68.	0.6	1
1956	Metal and metalloid concentrations in soil, surface water, and vegetables and the potential ecological and human health risks in the northeastern area of Hanoi, Vietnam. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 624.	1.3	12
1957	Enzymes' Role in Bioremediation of Contaminated Paddy Soil. <i>Soil Biology</i> , 2018, , 229-243.	0.6	1
1958	A Multifunctional Molecular Probe for Detecting Hg ²⁺ and Ag ⁺ Based on Ion-Mediated Base Mismatch. <i>Sensors</i> , 2018, 18, 3280.	2.1	11
1959	Heavy metal quantification of classroom dust in school environment and its impacts on children health from Rawang (Malaysia). <i>Environmental Science and Pollution Research</i> , 2018, 25, 34623-34635.	2.7	23
1960	Comparative application of an irradiated and non-irradiated calcite-type material to improve the removal of Pb in batch and continuous processes. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6297-6307.	3.3	2
1961	An overview of field-scale studies on remediation of soil contaminated with heavy metals and metalloids: Technical progress over the last decade. <i>Water Research</i> , 2018, 147, 440-460.	5.3	323
1962	In Situ Coprecipitation Formed Highly Water-Dispersible Magnetic Chitosan Nanopowder for Removal of Heavy Metals and Its Adsorption Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16754-16765.	3.2	68
1963	Air-Filled Porosity as a Key to Reducing Dissolved Arsenic and Cadmium Concentrations in Paddy Soils. <i>Journal of Environmental Quality</i> , 2018, 47, 496-503.	1.0	8
1964	Polystyrene Opals Responsive to Methanol Vapors. <i>Materials</i> , 2018, 11, 1547.	1.3	12
1965	Removal Mechanisms of Contaminants in Ceramic Water Filters. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, .	0.7	6
1966	A New Framework for Urban Ecology: An Integration of Proximate and Ultimate Responses to Anthropogenic Change. <i>Integrative and Comparative Biology</i> , 2018, 58, 915-928.	0.9	41
1967	Monitoring Impacts of Urbanisation and Industrialisation on Air Quality in the Anthropocene Using Urban Pond Sediments. <i>Frontiers in Earth Science</i> , 2018, 6, .	0.8	48
1968	5-Aminolevulinic Acid-Induced Heavy Metal Stress Tolerance and Underlying Mechanisms in Plants. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1423-1436.	2.8	22
1969	Microgels from hydrophobic solid monomers via miniemulsion polymerization for aqueous lead and copper ion removal. <i>Reactive and Functional Polymers</i> , 2018, 133, 136-142.	2.0	3
1970	The effect of metal loading on bacterial Hg adsorption. <i>Chemical Geology</i> , 2018, 498, 106-114.	1.4	2
1971	Cadmium exposure in First Nations communities of the Northwest Territories, Canada: smoking is a greater contributor than consumption of cadmium-accumulating organ meats. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1441-1453.	1.7	8
1972	Cadmium exposure during pregnancy and lactation: materno-fetal and newborn repercussions of Cd(²⁺), and Cd-metallothionein complexes. <i>Metallomics</i> , 2018, 10, 1359-1367.	1.0	39

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1973	Probabilistic risk assessment (Monte Carlo simulation method) of Pb and Cd in the onion bulb (<i>Allium</i>) Tj ETQq0 0 Q,rgBT /Overlock 10 T	2.7	49
1974	Health risk assessment and heavy metal contamination levels in vegetables from Tamale Metropolis, Ghana. <i>International Journal of Food Contamination</i> , 2018, 5, .	2.2	83
1975	Spatio-temporal variability and source identification for metal contamination in the river sediment of Indian Sundarbans, a world heritage site. <i>Environmental Science and Pollution Research</i> , 2018, 25, 31326-31345.	2.7	21
1976	Hydrothermal liquefaction of typical livestock manures in China: Biocrude oil production and migration of heavy metals. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 135, 133-140.	2.6	74
1977	Comparative studies on growth and Pb(II) removal from aqueous solution by <i>Nostoc muscorum</i> and <i>Anabaena variabilis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 637-644.	2.9	14
1978	Facilitated transport of cadmium with montmorillonite KSF colloids under different pH conditions in water-saturated sand columns: Experiment and transport modeling. <i>Water Research</i> , 2018, 146, 216-231.	5.3	75
1979	Tracing the role of plant proteins in the response to metal toxicity: a comprehensive review. <i>Plant Signaling and Behavior</i> , 2018, 13, e1507401.	1.2	37
1980	Determination of the transfer of lead and chromium from feed to raw milk in Holstein cows. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 1990-1999.	1.1	9
1981	Mercury concentrations in muscles and liver tissues of Cape monkfish (<i>Lophius vomerinus</i>) from the Northern Benguela, Namibia. <i>Marine Pollution Bulletin</i> , 2018, 135, 1101-1106.	2.3	4
1982	Neurotoxins and Autism. , 0, , .		1
1983	The concentration of heavy metals in noodle samples from Iranâ€™s market: probabilistic health risk assessment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30928-30937.	2.7	48
1984	Environmental and Body Concentrations of Heavy Metals at Sites Near and Distant from Industrial Complexes in Ulsan, Korea. <i>Journal of Korean Medical Science</i> , 2018, 33, e33.	1.1	18
1985	Health Risk Assessment of Heavy Metals on Primary School Learners from Dust and Soil within School Premises in Lagos State, Nigeria. , 0, , .		5
1986	Analysis of Electrochemically Elusive Trace Metals with Carbon Fiber Microelectrodes. <i>Analytical Chemistry</i> , 2018, 90, 11917-11924.	3.2	10
1987	Lead, Mercury, and Cadmium Exposure in the Korean General Population. <i>Journal of Korean Medical Science</i> , 2018, 33, e9.	1.1	34
1988	Effects of small-scale gold mining on heavy metal levels in groundwater in the Lower Pra Basin of Ghana. <i>Applied Water Science</i> , 2018, 8, 1.	2.8	21
1989	Increasing ammonium nutrition as a strategy for inhibition of cadmium uptake and xylem transport in rice (<i>Oryza sativa</i> L.) exposed to cadmium stress. <i>Environmental and Experimental Botany</i> , 2018, 155, 734-741.	2.0	50
1990	In situ synthesis of quaternary ammonium on silica-coated magnetic nanoparticles and itâ€™s application for the removal of uranium (VI) from aqueous media. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5662-5669.	3.3	24

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1991	Environmental toxic metal contaminants and risk of cardiovascular disease: systematic review and meta-analysis. <i>BMJ: British Medical Journal</i> , 2018, 362, k3310.	2.4	272
1992	Titrimetric determination of arsenic concentration in water samples collected from Hadejia Emirate council, Jigawa state, Nigeria. <i>Bayero Journal of Pure and Applied Sciences</i> , 2018, 10, 162.	0.1	1
1993	Biochemical analysis and toxicity studies of some heavy metals and their correlation with different diseases. <i>Journal of Toxicology and Environmental Health Sciences</i> , 2018, 10, 15-19.	0.6	1
1994	Development of an anion imprinted polymer for high and selective removal of arsenite from wastewater. <i>Science of the Total Environment</i> , 2018, 639, 110-117.	3.9	30
1995	Dual-Gated Transistor Platform for On-Site Detection of Lead Ions at Trace Levels. <i>Analytical Chemistry</i> , 2018, 90, 7399-7405.	3.2	5
1996	The Relative Importance of Saturated Silica Sand Interfacial and Pore Fluid Geochemistry on the Spectral Induced Polarization Response. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1702-1718.	1.3	4
1997	Characterization and Antimicrobial Property of Some Heavy Metals Containing Ayurvedic Drugs. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1052, 75-81.	0.8	0
1998	Assessment of potentially toxic metal (PTM) pollution in mangrove habitats using biochemical markers: A case study on <i>Avicennia officinalis</i> L. in and around Sundarban, India. <i>Marine Pollution Bulletin</i> , 2018, 133, 157-172.	2.3	54
1999	Impact of acid mine drainage and hydrogeochemical studies in a part of Rajrappa coal mining area of Ramgarh District, Jharkhand State of India. <i>Groundwater for Sustainable Development</i> , 2018, 7, 164-175.	2.3	33
2000	A statistical approach of zinc remediation using acidophilic bacterium via an integrated approach of bioleaching enhanced electrokinetic remediation (BEER) technology. <i>Chemosphere</i> , 2018, 207, 753-763.	4.2	29
2001	Exploring the Reusability of Synthetically Contaminated Wastewater Containing Crystal Violet Dye using <i>Tectona grandis</i> Sawdust as a Very Low-Cost Adsorbent. <i>Scientific Reports</i> , 2018, 8, 8314.	1.6	140
2002	Mycoremediation Mechanisms for Heavy Metal Resistance/Tolerance in Plants. <i>Fungal Biology</i> , 2018, , 351-381.	0.3	9
2003	Sensitive determination of Hg(II) based on a hybridization chain recycling amplification reaction and surface-enhanced Raman scattering on gold nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 363.	2.5	9
2004	Evaluating the bioavailability of heavy metals in natural-zeolite-amended aquatic sediments using thin-film diffusive gradients. <i>Aquaculture and Fisheries</i> , 2018, 3, 122-128.	1.2	24
2005	Copper and zinc levels in soil, water, wheat, and hair of inhabitants of three areas of the Orenburg region, Russia. <i>Environmental Research</i> , 2018, 166, 158-166.	3.7	18
2006	Reducing NCDs globally: the under-recognised role of environmental risk factors. <i>Lancet, The</i> , 2018, 392, 212.	6.3	10
2007	A new analytical method for lead determination in atmospheric particulate matter by a combination of ultrasound-assisted extraction and supramolecular solvent preconcentration. <i>Analytical Methods</i> , 2018, 10, 3745-3753.	1.3	10
2008	The influence of land cover on the sensitivity of streams to metal pollution. <i>Water Research</i> , 2018, 144, 55-63.	5.3	8

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2009	Levels and Health Risk Assessment of Heavy Metals in Soil, Water, and Vegetables of Dar es Salaam, Tanzania. <i>Journal of Chemistry</i> , 2018, 2018, 1-9.	0.9	98
2010	Synthesis of a magnetic polystyrene-based cation-exchange resin and its utilization for the efficient removal of cadmium (II). <i>Water Science and Technology</i> , 2018, 2017, 770-781.	1.2	8
2011	Ecological risk assessment for different macrophytes and fish species in reservoirs using biota-sediment accumulation factors as a useful tool. <i>Environmental Pollution</i> , 2018, 241, 1167-1174.	3.7	26
2012	Surface Engineered Magnetic Biosorbents for Water Treatment. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 301-342.	0.3	7
2013	Well-defined strategy for development of adsorbent using metal organic frameworks (MOF) template for high performance removal of hexavalent chromium. <i>Applied Surface Science</i> , 2018, 457, 1208-1217.	3.1	52
2014	Reproduction impairments in metal-polluted environments and parental hormones: No evidence for a causal association in an experimental study in breeding feral pigeons exposed to lead and zinc. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 746-754.	2.9	8
2015	Potential endocrine-disrupting effects of metals via interference with glucocorticoid and mineralocorticoid receptors. <i>Environmental Pollution</i> , 2018, 242, 12-18.	3.7	15
2016	rGO/AuNPs/tetraphenylporphyrin nanoconjugate-based electrochemical sensor for highly sensitive detection of cadmium ions. <i>Analytical Methods</i> , 2018, 10, 3631-3636.	1.3	26
2017	How Environmental and Air Pollution Disrupt Spermatogenesis and Male Reproductive Health. , 2018, , 5-32.		5
2018	Stone quarrying induces organ dysfunction and oxidative stress in <i>Meriones libycus</i> . <i>Toxicology and Industrial Health</i> , 2018, 34, 679-692.	0.6	11
2019	A Case-Control Study of Skin Cancer and Exposure of Toxic Heavy Metals. <i>Annals of Dermatology</i> , 2018, 30, 238.	0.3	0
2020	Removal of hexavalent chromium from potable drinking using a polyaniline-coated bacterial cellulose mat. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1589-1603.	1.2	31
2021	Chronic co-exposure to low levels of brominated flame retardants and heavy metals induces reproductive toxicity in zebrafish. <i>Toxicology and Industrial Health</i> , 2018, 34, 631-639.	0.6	11
2022	Therapeutic Effect of Intestinal Autochthonous <i>Lactobacillus reuteri</i> P16 Against Waterborne Lead Toxicity in <i>Cyprinus carpio</i> . <i>Frontiers in Immunology</i> , 2018, 9, 1824.	2.2	59
2023	Hepatobiliary-Related Outcomes in US Adults Exposed to Lead. <i>Environments - MDPI</i> , 2018, 5, 46.	1.5	25
2024	Pillared Interlayered Clays for Pollution Remediation. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 353-376.	0.3	3
2025	Mustelids as bioindicators of the environmental contamination by heavy metals. <i>Ecological Indicators</i> , 2018, 94, 320-327.	2.6	16
2026	Removal of heavy metals Pb(II), Cd(II) and Cu(II) from waste waters using synthesized chromium doped nickel oxide nano particles. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2018, 32, 225.	0.5	15

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2028	Electrochemical spectral methods for trace detection of heavy metals: A review. TrAC - Trends in Analytical Chemistry, 2018, 106, 139-150.	5.8	66
2029	Carcinogenic and non-carcinogenic evaluations of heavy metals in protein foods from southwestern Nigeria. Journal of Food Composition and Analysis, 2018, 73, 60-66.	1.9	35
2030	Magnetic oxide nanoparticles (Fe ₃ O ₄) impregnated bentonite clay as a potential adsorbent for Cr(III) adsorption. Materials Research Express, 2018, 5, 096102.	0.8	10
2031	Modelling cadmium-induced cardiotoxicity using human pluripotent stem cell-derived cardiomyocytes. Journal of Cellular and Molecular Medicine, 2018, 22, 4221-4235.	1.6	38
2032	Risk estimation and multivariate statistical analysis of the heavy metal content of drinking water samples. Toxicology and Industrial Health, 2018, 34, 714-725.	0.6	6
2033	Oral Bioaccessibility and Exposure Risk of Metal(loid)s in Local Residents Near a Mining-Impacted Area, Hunan, China. International Journal of Environmental Research and Public Health, 2018, 15, 1573.	1.2	13
2034	Assessment of arsenic and heavy metal pollution and ecological risk in inshore sediments of the Yellow River estuary, China. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2889-2902.	1.9	29
2035	French infant total diet study: Exposure to selected trace elements and associated health risks. Food and Chemical Toxicology, 2018, 120, 625-633.	1.8	36
2036	The effect of the algal microbiome on industrial production of microalgae. Microbial Biotechnology, 2018, 11, 806-818.	2.0	110
2037	Review on Recent Advances in Metal Ions Sensing Using Different Fluorescent Probes. Journal of Fluorescence, 2018, 28, 999-1021.	1.3	142
2038	Synthesis of S-ligand tethered cellulose nanofibers for efficient removal of Pb(II) and Cd(II) ions from synthetic and industrial wastewater. Environmental Pollution, 2018, 242, 1988-1997.	3.7	61
2039	Evaluation of some blood parameters in parallel with expression of p53 and IL-6 in industrial pollution exposed subject. International Journal of Environment and Pollution, 2018, 63, 19.	0.2	0
2040	Use of Modified Colloids and Membranes to Remove Metal Ions from Contaminated Solutions. Colloids and Interfaces, 2018, 2, 19.	0.9	9
2041	Protective Effect of Selenium-Enriched Ricegrass Juice against Cadmium-Induced Toxicity and DNA Damage in HEK293 Kidney Cells. Foods, 2018, 7, 81.	1.9	13
2042	Trace Elements in Marine Sediment and Organisms in the Gulf of Thailand. International Journal of Environmental Research and Public Health, 2018, 15, 810.	1.2	19
2043	A Review of Environmental Contamination and Health Risk Assessment of Wastewater Use for Crop Irrigation with a Focus on Low and High-Income Countries. International Journal of Environmental Research and Public Health, 2018, 15, 895.	1.2	234
2044	Environmental Lead Exposure and Adult Literacy in Myanmar: An Exploratory Study of Potential Associations at the Township Level. International Journal of Environmental Research and Public Health, 2018, 15, 1086.	1.2	4

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2045	Electroanalytical detection of heavy metals using metallophthalocyanine and silica-coated iron oxide composites. <i>Chemical Papers</i> , 2018, 72, 3043-3056.	1.0	15
2046	Experimental Analysis of Soil and Mandarin Orange Plants Treated with Heavy Metals Found in Oilfield-Produced Wastewater. <i>Sustainability</i> , 2018, 10, 1493.	1.6	11
2047	Facet-dependent contaminant removal properties of hematite nanocrystals and their environmental implications. <i>Environmental Science: Nano</i> , 2018, 5, 1790-1806.	2.2	93
2048	Heavy Metal Stress, Signaling, and Tolerance Due to Plant-Associated Microbes: An Overview. <i>Frontiers in Plant Science</i> , 2018, 9, 452.	1.7	303
2049	The Effects of Wet Cupping Therapy on the Blood Levels of Some Heavy Metals: A Pilot Study. <i>JAMS Journal of Acupuncture and Meridian Studies</i> , 2018, 11, 375-379.	0.3	14
2050	Freshwater eels: A symbol of the effects of global change. <i>Fish and Fisheries</i> , 2018, 19, 903-930.	2.7	100
2051	Urban street dust bound 24 potentially toxic metal/metalloids (PTMs) from Xining valley-city, NW China: Spatial occurrences, sources and health risks. <i>Ecotoxicology and Environmental Safety</i> , 2018, 162, 474-487.	2.9	26
2052	Novel 3-Hydroxy-2-Naphthoate-Based Task-Specific Ionic Liquids for an Efficient Extraction of Heavy Metals. <i>Frontiers in Chemistry</i> , 2018, 6, 172.	1.8	35
2053	Ants and their nests as indicators for industrial heavy metal contamination. <i>Environmental Pollution</i> , 2018, 240, 574-581.	3.7	45
2054	Using phytostabilisation to conserve threatened endemic species in southeastern Democratic Republic of the Congo. <i>Ecological Research</i> , 2018, 33, 789-798.	0.7	4
2055	Evolution of human health risk based on EPA modeling for adults and children and pollution level of potentially toxic metals in Rafsanjan road dust: a case study in a semi-arid region, Iran. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19767-19778.	2.7	23
2056	Ecological assessment of heavy metals in the grey mangrove (<i>Avicennia marina</i>) and associated sediments along the Red Sea coast of Saudi Arabia. <i>Oceanologia</i> , 2018, 60, 513-526.	1.1	54
2057	The acclimatization strategies of kidney vetch (<i>Anthyllis vulneraria</i> L.) to Pb toxicity. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19739-19752.	2.7	27
2058	Simultaneous determination of arsenic, cadmium and lead in plant foods by ICP-MS combined with automated focused infrared ashing and cold trap. <i>Food Chemistry</i> , 2018, 264, 462-470.	4.2	52
2059	Effect of Pb-resistant plant growth-promoting rhizobacteria inoculation on growth and lead uptake by <i>Lathyrus sativus</i> . <i>Journal of Basic Microbiology</i> , 2018, 58, 579-589.	1.8	39
2060	Novel electrochemical sensing of arsenic ions using a simple graphite pencil electrode modified with tin oxide nanoneedles. <i>Journal of Molecular Liquids</i> , 2018, 264, 198-204.	2.3	27
2061	Effects of garden egg, carrot and oat-supplements on biochemical parameters in cadmium exposed rats. <i>African Journal of Biochemistry Research</i> , 2018, 12, 28-34.	0.2	4
2062	In vitro cytotoxicity evaluation of cadmium by label-free holographic microscopy. <i>Journal of Biophotonics</i> , 2018, 11, e201800099.	1.1	23

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2063	Lead, Zinc, Copper, and Cadmium Content of Water from South Australian Rainwater Tanks. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1551.	1.2	44
2064	Electric conductance response on engineering properties of heavy metal polluted soils. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5552-5560.	3.3	16
2065	Distribution and predictors of 20 toxic and essential metals in the umbilical cord blood of Chinese newborns. <i>Chemosphere</i> , 2018, 210, 1167-1175.	4.2	24
2066	Facile Ag-Film Based Surface Enhanced Raman Spectroscopy Using DNA Molecular Switch for Ultra-Sensitive Mercury Ions Detection. <i>Nanomaterials</i> , 2018, 8, 596.	1.9	6
2067	Characteristics and Sources of Heavy Metals in PM _{2.5} during a Typical Haze Episode in Rural and Urban Areas in Taiyuan, China. <i>Atmosphere</i> , 2018, 9, 2.	1.0	40
2068	Groundwater-surface water exchange associated metals at two intertidal transects, Danang Estuary, Daya Bay, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29663-29677.	2.7	10
2069	Leachable lead and cadmium in microwave-heated ceramic cups: possible health hazard to human. <i>Environmental Science and Pollution Research</i> , 2018, 25, 28954-28960.	2.7	4
2070	N-Terminal Extension and C-Terminal Domains Are Required for ABCB6/HMT-1 Protein Interactions, Function in Cadmium Detoxification, and Localization to the Endosomal-Recycling System in <i>Caenorhabditis elegans</i> . <i>Frontiers in Physiology</i> , 2018, 9, 885.	1.3	9
2071	Effects and Mechanisms of Microbial Remediation of Heavy Metals in Soil: A Critical Review. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1336.	1.3	148
2072	Conservation of Ground Water at Maheshtala Bleaching and Dyeing Cluster, a Populated Area in West Bengal, India by Implementing Ultra filtration and Reverse Osmosis Based Effluent Treatment Plant—A Case Study. <i>Journal of the Institution of Engineers (India): Series A</i> , 2018, 99, 705-718.	0.6	2
2073	Screening and identification of bacteria isolated from industrial area groundwater to study lead sorption: Kinetics and statistical optimization of biosorption parameters. <i>Groundwater for Sustainable Development</i> , 2018, 7, 313-327.	2.3	15
2074	Sources and Health Risks of Heavy Metals in PM _{2.5} in a Campus in a Typical Suburb Area of Taiyuan, North China. <i>Atmosphere</i> , 2018, 9, 46.	1.0	27
2075	Toxic Metal Sequestration Exploiting a Unprecedented Low-Molecular-Weight Hydrogel-to-Metallogel Transformation. <i>ACS Omega</i> , 2018, 3, 6022-6030.	1.6	14
2076	Biosorption of Dye and Heavy Metal Pollutants by Fungal Biomass: A Sustainable Approach. <i>Fungal Biology</i> , 2018, , 253-271.	0.3	2
2077	Phytoremediation of cadmium-, lead- and nickel-contaminated water by <i>Phragmites australis</i> in hydroponic systems. <i>Ecological Engineering</i> , 2018, 120, 126-133.	1.6	78
2078	Quantitative colorimetric paper analytical devices based on radial distance measurements for aqueous metal determination. <i>Analyst, The</i> , 2018, 143, 3085-3090.	1.7	46
2079	Solvent-Triggered Reversible Phase Changes in Two Manganese-Based Metal-Organic Frameworks and Associated Sensing Events. <i>Chemistry - A European Journal</i> , 2018, 24, 13231-13237.	1.7	15
2080	Health risks of heavy metal exposure through vegetable consumption near a large-scale Pb/Zn smelter in central China. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 99-110.	2.9	114

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2082	Phytoremediation of heavy metals: mechanisms, methods and enhancements. Environmental Chemistry Letters, 2018, 16, 1339-1359.	8.3	394
2083	Long-term and high-concentration heavy-metal contamination strongly influences the microbiome and functional genes in Yellow River sediments. Science of the Total Environment, 2018, 637-638, 1400-1412.	3.9	249
2084	CaMK α mediates cadmium induced apoptosis in rat primary osteoblasts through MAPK activation and endoplasmic reticulum stress. Toxicology, 2018, 406-407, 70-80.	2.0	50
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2086	A channel-structured Eu-based metal-organic framework with a zwitterionic ligand for selectively sensing Fe ³⁺ ions. RSC Advances, 2018, 8, 21444-21450.	1.7	24
2087	Molecular mechanism investigation on the interactions of copper (II) ions with glutathione peroxidase 6 from Arabidopsis thaliana. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 203, 428-433.	2.0	15
2088	Recent Trends in Biosorption of Heavy Metals by Actinobacteria. , 2018, , 257-275.		12
2089	A cheap mesoporous silica from fly ash as an outstanding adsorbent for sulfate in water. Microporous and Mesoporous Materials, 2018, 272, 184-192.	2.2	27
2090	Use of Eucalyptus camaldulensis as Biosorbent for Lead Removal from Aqueous Solution. International Journal of Environmental Research, 2018, 12, 513-529.	1.1	10
2091	Endophytes: Emerging Tools for the Bioremediation of Pollutants. , 2019, , 189-217.		15
2092	Ni tolerance and its distinguished amelioration by chelating agents is reflected in root radius of B. napus cultivars. Protoplasma, 2019, 256, 171-179.	1.0	2
2093	Trophic transfer, bioaccumulation, and biomagnification of non-essential hazardous heavy metals and metalloids in food chains/webs—Concepts and implications for wildlife and human health. Human and Ecological Risk Assessment (HERA), 2019, 25, 1353-1376.	1.7	345
2094	Single cyanobacteria@silica porous microcapsules via a sol-gel layer by layer for heavy-metal remediation. Journal of Sol-Gel Science and Technology, 2019, 89, 244-254.	1.1	17
2095	Multipurpose composite for heavy metal sorption, antimicrobial, and antioxidant applications. International Journal of Environmental Science and Technology, 2019, 16, 2017-2030.	1.8	12
2097	Assessment of sorption capability of montmorillonite clay for lead removal from water using laser-induced breakdown spectroscopy and atomic absorption spectroscopy. Microchemical Journal, 2019, 144, 159-165.	2.3	24
2098	Effects of Humic Acids in Chronic Lead Poisoning. Biological Trace Element Research, 2019, 187, 230-242.	1.9	5
2099	Major Chemical Carcinogens in Drinking Water Sources: Health Implications Due to Illegal Gold Mining Activities in Zamfara State-Nigeria. Exposure and Health, 2019, 11, 47-57.	2.8	11

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2101	Ceramic Water Filters for the Removal of Bacterial, Chemical, and Viral Contaminants. <i>Journal of Environmental Engineering, ASCE</i> , 2019, 145, .	0.7	7
2102	Genotoxic and cytotoxic assessment of individual and composite mixture of cadmium, lead and manganese in <i>Clarias gariepinus</i> (Burchell 1822) using micronucleus assay. <i>Nucleus (India)</i> , 2019, 62, 191-202.	0.9	4
2103	Occurrence, source apportionment, and potential human health risks of metal(loid)s and PAHs in dusts from driving school campuses in an urban area of Henan, China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 30029-30043.	2.7	5
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2112	Heavy metal behaviour at mineral-organo interfaces: Mechanisms, modelling and influence factors. <i>Environment International</i> , 2019, 131, 104995.	4.8	123
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2243	Phytoassessment of Vetiver grass enhanced with EDTA soil amendment grown in single and mixed heavy metalâ€“contaminated soil. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 434.	1.3	14
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2452	Multi-elemental ionic liquid-based solvent bar micro-extraction of priority and emerging trace metallic pollutants (Cd, Ag, Pd) in natural waters. <i>Journal of Hazardous Materials</i> , 2019, 370, 63-69.	6.5	22
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2486	Quantitative studies of cadmium ion (Cd ²⁺) adsorption on oxidized graphite powder. <i>Materials Today: Proceedings</i> , 2020, 23, 105-110.	0.9	3
2487	Fasting hyperglycaemia, glucose intolerance and pancreatic islet necrosis in albino rats associated with subchronic oral aluminium chloride exposure. <i>Comparative Clinical Pathology</i> , 2020, 29, 75-81.	0.3	2
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2496	Aquatic Pollution Stress and Role of Biofilms as Environment Cleanup Technology. , 2020, , 293-318.		27
2497	Using human hair and nails as biomarkers to assess exposure of potentially harmful elements to populations living near mine waste dumps. <i>Environmental Geochemistry and Health</i> , 2020, 42, 1197-1209.	1.8	30
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2524	Capacitive deionization and electrosorption for heavy metal removal. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 258-282.	1.2	92
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2531	Cellular sensing platform with enhanced sensitivity based on optogenetic modulation of cell homeostasis. <i>Biosensors and Bioelectronics</i> , 2020, 154, 112003.	5.3	7
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3048	Effects of <i>Moringa oleifera</i> leaves extract, vitamin C, and taurine co-exposures on calcium and metallothionein levels, oxidative stress, and gill histopathological changes in <i>Clarias gariepinus</i> exposed to sub-lethal cadmium. <i>Environmental Science and Pollution Research</i> , 2021, 28, 52258-52271.	2.7	1
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3899	Forage crops and cadmium: How changing farming systems might impact cadmium accumulation in animals. <i>Science of the Total Environment</i> , 2022, 827, 154256.	3.9	6
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4089	Phytoremediation of heavy metal contaminated soil in association with arbuscular mycorrhizal fungi. , 2022, , 207-230.		0
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