

Assessment of heavy metal pollution from anthropogenic sources and remediation strategies: A review

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synergistic Effects of Climate Change and Marine Pollution: An Overlooked Interaction in Coastal and Estuarine Areas. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2737.	1.2	99
2	Amine Modification of Silica Aerogels/Xerogels for Removal of Relevant Environmental Pollutants. <i>Molecules</i> , 2019, 24, 3701.	1.7	24
3	Gold Mine Impact on Soil Quality, Youga, Southern Burkina Faso, West Africa. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	15
4	Recent Progresses of Forward Osmosis Membranes Formulation and Design for Wastewater Treatment. <i>Water (Switzerland)</i> , 2019, 11, 2043.	1.2	60
5	Optimisation and Modelling of Pb (II) and Cu (II) Biosorption onto Red Algae (<i>Gracilaria changii</i>) by Using Response Surface Methodology. <i>Water (Switzerland)</i> , 2019, 11, 2325.	1.2	30
6	Preparation and Performance Optimization of Original Aluminum Ash Coating Based on Plasma Spraying. <i>Coatings</i> , 2019, 9, 770.	1.2	12
7	Distribution and Contamination Assessment of Soil Heavy Metals in the Jiulongjiang River Catchment, Southeast China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4674.	1.2	22
8	Antagonistic effects in zebrafish (<i>Danio rerio</i>) behavior and oxidative stress induced by toxic metals and deltamethrin acute exposure. <i>Science of the Total Environment</i> , 2020, 698, 134299.	3.9	54
9	Second generation effects of larval metal pollutant exposure on reproduction, longevity and insecticide tolerance in the major malaria vector <i>Anopheles arabiensis</i> (Diptera: Culicidae). <i>Parasites and Vectors</i> , 2020, 13, 4.	1.0	15
10	The utilization of biomineralization technique based on microbial induced phosphate precipitation in remediation of potentially toxic ions contaminated soil: A mini review. <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 110009.	2.9	51
11	A multivariate analysis of comparative effects of heavy metals on cellular biomarkers of phytoremediation using <i>Brassica oleracea</i> . <i>International Journal of Phytoremediation</i> , 2020, 22, 617-627.	1.7	12
12	Mesoporous Silica-Gelatin Aerogels for the Selective Adsorption of Aqueous Hg(II). <i>ACS Applied Nano Materials</i> , 2020, 3, 195-206.	2.4	43
13	Functionalized Glutathione on Chitosan-Genipin Cross-Linked Beads Used for the Removal of Trace Metals from Water. <i>International Journal of Biomaterials</i> , 2020, 2020, 1-14.	1.1	2
14	Effect of Synthesis Conditions of Nitrogen and Platinum Co-Doped Titania Films on the Photocatalytic Performance under Simulated Solar Light. <i>Catalysts</i> , 2020, 10, 1074.	1.6	8
15	Soil Management Effects on Soil Water Erosion and Runoff in Central Syria—A Comparative Evaluation of General Linear Model and Random Forest Regression. <i>Water (Switzerland)</i> , 2020, 12, 2529.	1.2	43
16	Usage of microbial combination degradation technology for the remediation of uranium contaminated ryegrass. <i>Environment International</i> , 2020, 144, 106051.	4.8	28
17	Effects of heavy metals on microbial communities in sediments and establishment of bioindicators based on microbial taxa and function for environmental monitoring and management. <i>Science of the Total Environment</i> , 2020, 749, 141555.	3.9	150
18	Assessment of Heavy Metal Pollution in Soil and Classification of Pollution Risk Management and Control Zones in the Industrial Developed City. <i>Environmental Management</i> , 2020, 66, 1105-1119.	1.2	23

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20	Distribution of heavy metals in soils from abandoned dump sites in Kumasi, Ghana. Scientific African, 2020, 10, e00614.	0.7	25
21	Preparation and Characterization of Activated Carbon from Gayo Coffee Shell as an Adsorbent for Removal of Lead (Pb) in Liquid Waste. IOP Conference Series: Materials Science and Engineering, 2020, 796, 012050.	0.3	1
22	Hemp-Based Phytoaccumulation of Heavy Metals from Municipal Sewage Sludge and Phosphogypsum Under Field Conditions. Agronomy, 2020, 10, 907.	1.3	15
23	Sorption of Heavy Metals onto Biochar. , 0, , .		5
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25	Multi-component adsorption study by using bone char: modelling and removal mechanisms. Environmental Technology (United Kingdom), 2022, 43, 789-804.	1.2	11
26	Genetic control of violacein biosynthesis to enable a pigment-based whole-cell lead biosensor. RSC Advances, 2020, 10, 28106-28113.	1.7	37
27	Snack foods and lead ingestion risks for school aged children: A comparative evaluation of potentially toxic metals and children's exposure response of blood lead, copper and zinc levels. Chemosphere, 2020, 261, 127547.	4.2	19
28	Interactions of cadmium and zinc in high zinc tolerant native species Andropogon gayanus cultivated in hydroponics: growth endpoints, metal bioaccumulation, and ultrastructural analysis. Environmental Science and Pollution Research, 2020, 27, 45513-45526.	2.7	10
29	Prenatal toxic metal mixture exposure and newborn telomere length: Modification by maternal antioxidant intake. Environmental Research, 2020, 190, 110009.	3.7	34
30	Spatiotemporal variation, seasonal variation, and potential risks of sedimentary heavy metals in a new artificial lagoon in eastern China, 2014-2019. Marine Pollution Bulletin, 2020, 157, 111370.	2.3	9
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32	Review of the distribution and detection methods of heavy metals in the environment. Analytical Methods, 2020, 12, 5747-5766.	1.3	104
33	Contamination and Human Health Risk Due to Toxic Metals in Dust from Transport Stations in the Kumasi Metropolis, Ghana. Chemistry Africa, 2020, 3, 831-843.	1.2	12
34	Amorphous molybdenum sulfide mediated EDTA with multiple active sites to boost heavy metal ions removal. Chinese Chemical Letters, 2021, 32, 2797-2802.	4.8	31
35	Graphene-Based Macromolecular Assemblies for Scavenging Heavy Metals. ChemistryOpen, 2020, 9, 1065-1073.	0.9	2
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37	Carbon material-immobilized ionic liquids were applied on absorption of Hg ²⁺ from water phase. <i>Environmental Science and Pollution Research</i> , 2020, 27, 26882-26904.	2.7	6
38	Acute Toxicity of Cd^{2+} , Cr^{6+} , and Ni^{2+} to the Golden Mussel <i>Limnoperna fortunei</i> (Dunker 1857). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 748-754.	1.3	4
39	Analysis of Fungal Composition in Mine-Contaminated Soils in Hechi City. <i>Current Microbiology</i> , 2020, 77, 2685-2693.	1.0	8
40	Increased Thyroid Cancer Incidence in Volcanic Areas: A Role of Increased Heavy Metals in the Environment?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3425.	1.8	20
41	Insights into the mechanisms underlying the remediation potential of earthworms in contaminated soil: A critical review of research progress and prospects. <i>Science of the Total Environment</i> , 2020, 740, 140145.	3.9	92
42	Luminescent Properties of Lanthanoid-Poly(Sodium Acrylate) Composites: Insights on the Interaction Mechanism. <i>Polymers</i> , 2020, 12, 1314.	2.0	5
43	Multiyear phytoremediation and dynamic of foliar metal(loid)s concentration during application of <i>Miscanthus Á— giganteus</i> Greef et Deu to polluted soil from Bakar, Croatia. <i>Environmental Science and Pollution Research</i> , 2020, 27, 31446-31457.	2.7	25
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46	A Simple and Efficient Protocol for Proline-Catalysed Asymmetric Aldol Reaction. <i>Catalysts</i> , 2020, 10, 649.	1.6	12
47	<i>Ilex Paraguariensis</i> exposition to As and Cd in a closed soilless system. <i>Chemosphere</i> , 2020, 258, 127284.	4.2	4
48	Thermo-switchable de novo ionogel as metal absorbing and curcumin loaded smart bandage material. <i>Journal of Molecular Liquids</i> , 2020, 306, 112922.	2.3	24
49	New Poly(β -Cyclodextrin)/Poly(Vinyl Alcohol) Electrospun Sub-Micrometric Fibers and Their Potential Application for Wastewater Treatments. <i>Nanomaterials</i> , 2020, 10, 482.	1.9	13
50	Genome-Wide Identification of Metal Tolerance Protein Genes in <i>Populus trichocarpa</i> and Their Roles in Response to Various Heavy Metal Stresses. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1680.	1.8	46
51	Red mud-enhanced magnesium phosphate cement for remediation of Pb and As contaminated soil. <i>Journal of Hazardous Materials</i> , 2020, 400, 123317.	6.5	106
52	Comparing the Adsorption Performance of Multiwalled Carbon Nanotubes Oxidized by Varying Degrees for Removal of Low Levels of Copper, Nickel and Chromium(VI) from Aqueous Solutions. <i>Water (Switzerland)</i> , 2020, 12, 723.	1.2	30
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56	The synergistic effect of ultrasound power and magnetite incorporation on the sorption/desorption behavior of Cr(VI) and As(V) oxoanions in an aqueous system. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 76-88.	5.0	56
57	Investigating Industrial Effluent Impact on Municipal Wastewater Treatment Plant in Vaal, South Africa. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1096.	1.2	112
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59	Bioremediation of antimony from wastewater by sulfate-reducing bacteria: Effect of the coexisting ferrous ion. <i>International Biodeterioration and Biodegradation</i> , 2020, 148, 104912.	1.9	31
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67	The effect of biochar on soil-plant-earthworm-bacteria system in metal(loid) contaminated soil. <i>Environmental Pollution</i> , 2020, 263, 114610.	3.7	29
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70	Application of amendments for the phytoremediation of a former mine technosol by endemic pioneer species: alder and birch seedlings. <i>Environmental Geochemistry and Health</i> , 2021, 43, 77-89.	1.8	8
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74	Contamination of groundwater by potential harmful elements from gold mine tailings and the implications to human health: A case study in Welkom and Virginia, Free State Province, South Africa. <i>Groundwater for Sustainable Development</i> , 2021, 12, 100507.	2.3	10
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81	Valorisation of soil contaminated by petroleum hydrocarbons and toxic metals in geopolymer mortar formation. <i>Journal of Environmental Management</i> , 2021, 278, 111410.	3.8	6
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90	Stock structure of Pacific cod (<i>Gadus macrocephalus</i>) around the Korean Peninsula: an otolith microchemical perspective. <i>Marine and Freshwater Research</i> , 2021, 72, 774.	0.7	2

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92	Heavy Metal Removal from Wastewater by Adsorption with Hydrochar Derived from Biomass: Current Applications and Research Trends. <i>Current Pollution Reports</i> , 2021, 7, 54-71.	3.1	24
93	Biomonitoring of heavy metal contamination with roadside trees from metropolitan area of Hefei, China. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 151.	1.3	13
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99	Poly(β -cyclodextrin)-Activated Carbon Gel Composites for Removal of Pesticides from Water. <i>Molecules</i> , 2021, 26, 1426.	1.7	25
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104	Study of Mercury [Hg(II)] Adsorption from Aqueous Solution on Functionalized Activated Carbon. <i>ACS Omega</i> , 2021, 6, 11849-11856.	1.6	17
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106	Removal of Heavy Metals during Primary Treatment of Municipal Wastewater and Possibilities of Enhanced Removal: A Review. <i>Water (Switzerland)</i> , 2021, 13, 1121.	1.2	33
107	Environmental Assessment and Toxic Metal-Contamination Level in Surface Sediment of a Water Reservoir in the Brazilian Cerrado. <i>Water (Switzerland)</i> , 2021, 13, 1044.	1.2	8
108	Heavy metals contamination assessment in agricultural soil for shallot in Wanasari, Brebes Regency, Central Java Province. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 752, 012056.	0.2	0
109	Using best available information to conduct impact assessment of future climatic hazards on a landfill. <i>Climatic Change</i> , 2021, 165, 1.	1.7	3

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110	The occurrence of inorganic contaminants in <i>Brassica oleracea</i> L. var.) Tj ETQq0 0 0 rgBT /Overlock 1 Analytical Chemistry, 2023, 103, 2402-2418.	1.8	1
111	Major and trace elements concentration in recent clastic sediments from part of the eastern coast of India: an assessment of metal pollution. Environmental Earth Sciences, 2021, 80, 1.	1.3	0
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118	Salicylic acid pre-treatment modulates Pb ²⁺ -induced DNA damage vis-à-vis oxidative stress in <i>Allium cepa</i> roots. Environmental Science and Pollution Research, 2021, 28, 51989-52000.	2.7	12
119	Effect of different vegetation on copper accumulation of copper-mine abandoned land in tongling, China. Journal of Environmental Management, 2021, 286, 112227.	3.8	8
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130	Removal of Heavy Metals (Fe, Mn and Cd) from Aqueous Solutions by Natural Zeolite and FeS Media. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2021, 43, 524-536.	0.4	0
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133	Conventional and Contemporary Techniques for Removal of Heavy Metals from Soil. , 0, , .		2
134	Copper and zinc as a window to past agricultural land-use. <i>Journal of Hazardous Materials</i> , 2022, 424, 126631.	6.5	8
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136	Indigoidine biosynthesis triggered by the heavy metal-responsive transcription regulator: a visual whole-cell biosensor. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 6087-6102.	1.7	17
137	Ecological risk and sources of metals in open-burned grasses in Guinea Savanna of Nigeria. <i>Environmental Quality Management</i> , 0, , .	1.0	1
138	Accumulation of essential (copper, iron, zinc) and non-essential (lead, cadmium) heavy metals in <i>Caulerpa racemosa</i> , sea water, and marine sediments of Bintan Island, Indonesia. <i>F1000Research</i> , 2021, 10, 699.	0.8	1
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140	Removing low levels of Cd(II) and Pb(II) by adsorption on two types of oxidized multiwalled carbon nanotubes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105402.	3.3	36
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142	Molecular biomarker responses in the freshwater mussel <i>Anodonta anatina</i> exposed to an industrial wastewater effluent. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2158-2170.	2.7	4
143	Review-Voltammetric Determination of Heavy Metals with Carbon-Based Electrodes. <i>Journal of the Electrochemical Society</i> , 2021, 168, 097508.	1.3	11
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145	A review on three-dimensional cellulose-based aerogels for the removal of heavy metals from water. <i>Science of the Total Environment</i> , 2022, 807, 150606.	3.9	64
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