

Heavy Metals in Contaminated Soils: A Review of Sources and Available Strategies for Remediation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Speciation of Phosphorus and Cadmium in a Contaminated Soil Amended with Bone Char: Sequential Fractionations and XANES Spectroscopy. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	47
2	Heavy metal accumulation by poplar in calcareous soil with various degrees of multi-metal contamination: implications for phytoextraction and phytostabilization. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7194-7203.	2.7	48
3	Removal of heavy metal ions from aqueous solutions using low-cost sorbents obtained from ash. <i>Chemical Papers</i> , 2013, 67, .	1.0	28
4	Integrated biomarker analysis in the earthworm <i>Lumbricus terrestris</i> : Application to the monitoring of soil heavy metal pollution. <i>Chemosphere</i> , 2013, 90, 2637-2644.	4.2	65
5	Immobilization of heavy metals on pillared montmorillonite with a grafted chelate ligand. <i>Journal of Hazardous Materials</i> , 2013, 261, 181-187.	6.5	27
6	Current status of heavy metal contamination in Asia's rice lands. <i>Reviews in Environmental Science and Biotechnology</i> , 2013, 12, 355-377.	3.9	99
7	Enhanced 1,2-dichloroethane degradation in heavy metal co-contaminated wastewater undergoing biostimulation and bioaugmentation. <i>Chemosphere</i> , 2013, 93, 1826-1834.	4.2	24
8	Phosphate amendment of metalliferous tailings, Cannington Ag-Pb-Zn mine, Australia: implications for the capping of tailings storage facilities. <i>Environmental Earth Sciences</i> , 2013, 68, 33-44.	1.3	18
9	Lability of potentially toxic elements in soils affected by smelting activities. <i>Chemosphere</i> , 2013, 90, 820-826.	4.2	25
10	Distribution of anthropogenic lead estimated by Pb isotopic composition in the upper layers of soil from a mixed forest at Dinghushan, southern China. <i>Journal of Soils and Sediments</i> , 2013, 13, 394-402.	1.5	17
11	Synthesis, characterization, and photoinduced CO-release reactivity of a Pb(II) flavonolate complex: Comparisons to Group 12 analogs. <i>Inorganica Chimica Acta</i> , 2013, 407, 91-97.	1.2	16
12	Removal of Cu, Pb and Zn by foam fractionation and a soil washing process from contaminated industrial soils using soapberry-derived saponin: A comparative effectiveness assessment. <i>Chemosphere</i> , 2013, 92, 1286-1293.	4.2	61
13	Biochar soil amendment as a solution to prevent Cd-tainted rice from China: Results from a cross-site field experiment. <i>Ecological Engineering</i> , 2013, 58, 378-383.	1.6	205
14	Marine bacteria: potential candidates for enhanced bioremediation. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 561-571.	1.7	213
15	Phytoremediation of heavy metals—Concepts and applications. <i>Chemosphere</i> , 2013, 91, 869-881.	4.2	2,665
16	A review of metal (Pb and Zn) sensitive and pH tolerant bioassay organisms for risk screening of metal-contaminated acidic soils. <i>Environmental Pollution</i> , 2013, 179, 326-342.	3.7	53
17	Response of roselle (<i>Hibiscus sabdariffa</i>) to heavy metals contamination in soils with different organic fertilisations. <i>Chemistry and Ecology</i> , 2013, 29, 437-447.	0.6	14
18	Study of the 2-D copper transport in sandy soil by laboratory scale aquifer model (sand tank) experiment. <i>International Journal of Hydrology Science and Technology</i> , 2013, 3, 49.	0.2	0

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20	Immobilization and Encapsulation of Contaminants Using Silica Treatments: A Review. <i>Remediation</i> , 2013, 24, 49-67.	1.1	10
21	Removal of Cu(II), Cr(III), and Cr(VI) from Aqueous Solution using a Novel Agricultural Waste Adsorbent. <i>Separation Science and Technology</i> , 2013, 48, 2843-2851.	1.3	13
22	ASSESSMENT OF HEAVY METALS UPTAKE AND TRANSLOCATION BY <i>AQUILARIA MALACCENSIS</i> ; PLANTED IN SOILS CONTAINING SEWAGE SLUDGE. <i>American Journal of Applied Sciences</i> , 2013, 10, 952-964.	0.1	7
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25	Chemical Speciation: A Strategic Pathway for Insightful Risk Assessment and Decision Making for Remediation of Toxic Metal Contamination. <i>Environment and Pollution</i> , 2013, 2, .	0.2	14
26	Variations in Metal Tolerance and Accumulation in Three Hydroponically Cultivated Varieties of <i>Salix integra</i> Treated with Lead. <i>PLoS ONE</i> , 2014, 9, e108568.	1.1	59
27	Removal of trace element by isolates of <i>Aspergillus brasiliensis</i> EPAMIG 0084 and <i>Penicillium citrinum</i> EPAMIG 0086 in biofilters. <i>African Journal of Biotechnology</i> , 2014, 13, 3759-3773.	0.3	7
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29	The Effect of Industrial Heavy Metal Pollution on Microbial Abundance and Diversity in Soils – A Review. , 0, , .		36
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32	Assessment of Soil Pollution with Heavy Metals in Romania. , 0, , .		4
33	Ecological Dangers of Chemical Contamination of Urban Areas Soils: Casestudy of Tomsk. <i>Procedia Chemistry</i> , 2014, 10, 508-512.	0.7	4
34	Prospects of Field Crops for Phytoremediation of Contaminants. , 2014, , 449-470.		9
35	Characterization of artificially induced cadmium-tolerant yeast mutants. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2014, 57, 545-549.	0.9	1
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37	Optimization of Chromium(VI) Detoxification by <i>Pseudomonas aeruginosa</i> and Its Application for Treatment of Industrial Waste and Contaminated Soil. <i>Bioremediation Journal</i> , 2014, 18, 128-135.	1.0	17
38	Strawberry fields forever? Urban agriculture in developed countries: a review. <i>Agronomy for Sustainable Development</i> , 2014, 34, 21-43.	2.2	308
39	Cadmium minimization in rice. A review. <i>Agronomy for Sustainable Development</i> , 2014, 34, 155-173.	2.2	215
40	Pb(II) determination in natural water using a carbon nanotubes paste electrode modified with crosslinked chitosan. <i>Microchemical Journal</i> , 2014, 116, 191-196.	2.3	56
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47	Risk assessment of wetland under aluminium and iron toxicities: A review. <i>Aquatic Ecosystem Health and Management</i> , 2014, 17, 122-128.	0.3	11
48	Comparison of the Solubilizing Efficiencies of Some pH Lowering (Sulphur and (NH ₄) ₂ SO ₄) Amendments on Cd and Zn Mobility in Soils. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 93, 187-191.	1.3	13
49	Phytoremediation: Strategies of Argentinean Plants Against Stress by Heavy Metals. , 2014, , 123-134.		3
50	Evaluation of heavy metal and total petroleum hydrocarbon contamination of roadside surface soil. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 2259-2270.	1.8	28
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58	Concentration levels of selected essential and toxic metals in potato (<i>Solanum tuberosum</i> L.) of West Gojjam, Amhara Region, Ethiopia. <i>SpringerPlus</i> , 2015, 4, 514.	1.2	7
59	Architectural and biochemical changes in embryonic tissues of maize under cadmium toxicity. <i>Plant Biology</i> , 2015, 17, 1005-1012.	1.8	10
60	Some Elemental Content of Soil Within Catchment of River Jakara in Kano, Nigeria. <i>Environment and Pollution</i> , 2015, 5, 119.	0.2	0
61	Growth of tropical tree species and absorption of copper in soil artificially contaminated. <i>Brazilian Journal of Biology</i> , 2015, 75, 119-125.	0.4	8
62	Chromate Reductase YieF from <i>Escherichia coli</i> Enhances Hexavalent Chromium Resistance of Human HepG2 Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 11892-11902.	1.8	25
63	Soil inoculation with symbiotic microorganisms promotes plant growth and nutrient transporter genes expression in durum wheat. <i>Frontiers in Plant Science</i> , 2015, 6, 815.	1.7	118
64	Impact of Brick Kilns™ Emission on Soil Quality of Agriculture Fields in the Vicinity of Selected Bhaktapur Area of Nepal. <i>Applied and Environmental Soil Science</i> , 2015, 2015, 1-8.	0.8	18
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69	Phytoremediation of Heavy Metal-Contaminated Soils Using the Perennial Energy Crops <i>Miscanthus</i> spp. and <i>Arundo donax</i> L.. <i>Bioenergy Research</i> , 2015, 8, 1500-1511.	2.2	153
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101	Diazotrophs-assisted phytoremediation of heavy metals: a novel approach. <i>Environmental Science and Pollution Research</i> , 2015, 22, 2505-2514.	2.7	69
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117	Impact of Cadmium Polluted Groundwater on Human Health: Winder, Balochistan. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
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128	Trace metals in the giant tiger prawn <i>Penaeus monodon</i> and mangrove sediments of the Tanzania coast: Is there a risk to marine fauna and public health?. <i>Ecotoxicology and Environmental Safety</i> , 2016, 132, 77-86.	2.9	25

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149	Phytoremediation of Mining Areas: An Overview of Application in Lead- and Zinc-Contaminated Soils. , 2016, , 3-27.		1
150	Phytoremediation of Heavy Metals Contaminated Soils Through Transgenic Plants. , 2016, , 345-391.		4
151	Antioxidative defense mechanism of the ruderal <i>Verbascum olympicum</i> Boiss. against copper (Cu)-induced stress. <i>Open Life Sciences</i> , 2016, 11, 10-20.	0.6	3
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