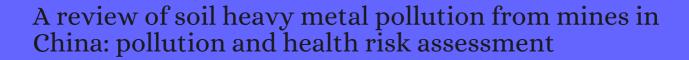
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#	Paper	IF	Citations
1806	Evaluation of soil contamination indices in a mining area of Jiangxi, China. 2014 , 9, e112917		58
1805	Application of Iron Oxide Nanomaterials for the Removal of Heavy Metals. 2014, 2014, 1-14		158
1804	Stabilization of Multiple Heavy Metal Contaminated Soils Using Biological Materials. 2014 , 541-542, 329	9-333	1
1803	Effects of different cleaning treatments on heavy metal removal of Panax notoginseng (Burk) F. H. Chen. 2014 , 31, 2004-13		7
1802	Effect of Organic Fertilizers Used in Washed Soil on the Growth of Tomatoes. 2014 , 1010-1012, 576-579)	
1801	Food survey: levels and potential health risks of chromium, lead, zinc and copper content in fruits and vegetables consumed in Algeria. 2014 , 70, 48-53		88
1800	Dynamics of rhizosphere properties and antioxidative responses in wheat (Triticum aestivum L.) under cadmium stress. 2014 , 102, 55-61		22
1799	Spatial distribution and source identification of trace elements in topsoil from heavily industrialized region, Aliaga, Turkey. 2014 , 186, 6017-38		24
1798	Trace metal pollution in soil and wild plants from lead⊠inc smelting areas in Huixian County, Northwest China. 2014 , 147, 182-188		49
1797	Biochar from Alternanthera philoxeroides could remove Pb(II) efficiently. 2014 , 171, 227-32		85
1796	Health risk assessment of Chinese consumers to nickel via dietary intake of foodstuffs. 2014 , 31, 1861-7	71	9
1795	Inconspicuous waste heaps left by historical Zn B b mining are hot spots of soil contamination. 2014 , 235-236, 1-8		37
1794	Assessing the ecotoxicological effects of long-term contaminated mine soils on plants and earthworms: relevance of soil (total and available) and body concentrations. 2014 , 23, 1195-209		24
1793	Geochemical speciation and dynamic of copper in tropical semi-arid soils exposed to metal-bearing mine wastes. <i>Science of the Total Environment</i> , 2014 , 500-501, 91-102	10.2	21
1792	Scanometric nanomolar lead (II) detection using DNA-functionalized gold nanoparticles and silver stain enhancement. 2014 , 200, 310-316		29
1791	Removal of antimony (III) from polluted surface water using a hybrid coagulationflocculationflocculation (CFDF) process. 2014 , 254, 293-301		52
1790	Soil and soil environmental quality monitoring in China: a review. 2014 , 69, 177-99		214

(2015-2014)

1789	Historicizing Sustainable Livelihoods: A Pathways Approach to Lead Mining in Rural Central China. 2014 , 62, 189-200	28
1788	Cancer risk of polycyclic aromatic hydrocarbons (PAHs) in the soils from Jiaozhou Bay wetland. 2014 , 112, 289-95	88
1787	Global supply chain analysis of nickel: importance and possibility of controlling the resource logistics. 2014 , 111, 339-346	10
1786	Evaluation of Lead in Arable Soils, China. 2015 , 43, 1232-1240	9
1785	A New Spatiotemporal Risk Index for Heavy Metals: Application in Cyprus. 2015 , 7, 4323-4342	13
1784	Health risk assessment of heavy metals in water, air, soil and fish. 2015 , 9, 204-210	37
1783	Growth and heavy metal accumulation of Koelreuteria paniculata seedlings and their potential for restoring manganese mine wastelands in Hunan, China. 2015 , 12, 1726-44	7
1782	Method for Assessing the Integrated Risk of Soil Pollution in Industrial and Mining Gathering Areas. 2015 , 12, 14589-609	8
1781	Spatiotemporal Analysis of Heavy Metal Water Pollution in Transitional China. 2015, 7, 9067-9087	22
1780	Spatial Patterns and Risk Assessment of Heavy Metals in Soils in a Resource-Exhausted City, Northeast China. 2015 , 10, e0137694	19
1779	Dietary fiber, mineral elements profile and macronutrients composition in different edible parts of Opuntia microdasys (Lehm.) Pfeiff and Opuntia macrorhiza (Engelm.). 2015 , 64, 446-451	17
1778	Nano-TiO2 Immobilized on Diatomite: Characterization and Photocatalytic Reactivity for Cu2+ Removal from Aqueous Solution. 2015 , 102, 1935-1943	22
1777	Detecting the sensitivity of magnetic response on different pollution sourcesA case study from typical mining cities in northwestern China. 2015 , 207, 288-98	17
1776	Heavy metal contamination of agricultural soils affected by mining activities around the Ganxi River in Chenzhou, Southern China. 2015 , 187, 731	86
1775	Trace metal/metalloid concentrations in waste rock, soils and spontaneous plants in the surroundings of an abandoned mine in semi-arid NE-Brazil. 2015 , 74, 5427-5441	14
1774	A sustainable alternative to synthesis optical sensing receptor for the detection of metal ions. 2015 , 40, 132-138	12
1773	Heavy metal pollution and health risk assessment in the Wei River in China. 2015, 187, 111	39
1772	Simultaneous speciation and determination of arsenic, chromium and cadmium in water samples by high performance liquid chromatography with inductively coupled plasma mass spectrometry. 2015 , 7, 2653-2658	38

1771	Assessment of exposure to heavy metals and health risks among residents near Tonglushan mine in Hubei, China. 2015 , 127, 127-35		137
1770	Contamination features and health risk of soil heavy metals in China. <i>Science of the Total Environment</i> , 2015 , 512-513, 143-153	10.2	725
1769	Recovery of Ni2+ and pure water from electroplating rinse wastewater by an integrated two-stage electrodeionization process. 2015 , 92, 257-266		47
1768	Bats as bioindicators of heavy metal pollution: history and prospect. 2015 , 80, 220-227		75
1767	Environmental Implications of Heavy Metals in Soil from Huainan, China. 2015 , 48, 1802-1814		10
1766	Assessment of cadmium (Cd) concentration in arable soil in China. 2015 , 22, 4932-41		86
1765	Effects of humic acid amendment on the mobility of heavy metals (Co, Cu, Cr, Mn, Ni, Pb, and Zn) in gold mine tailings in Thailand. 2015 , 8, 7589-7600		22
1764	Integrated approach to assess the environmental impact of mining activities: estimation of the spatial distribution of soil contamination (Panasqueira mining area, Central Portugal). 2015 , 187, 135		25
1763	Field-based evidence for consistent responses of bacterial communities to copper contamination in two contrasting agricultural soils. 2015 , 6, 31		37
1762	Inoculation with Metal-Mobilizing Plant-Growth-Promoting Rhizobacterium Bacillus sp. SC2b and Its Role in Rhizoremediation. 2015 , 78, 931-44		53
1761	Assessment of heavy metal pollution and human health risk in urban soils of steel industrial city (Anshan), Liaoning, Northeast China. 2015 , 120, 377-85		435
1760	Characterization and source apportionment of health risks from ambient PM10 in Hong Kong over 2000 2 011. 2015 , 122, 892-899		22
1759	The spatial distribution pattern of heavy metals and risk assessment of moso bamboo forest soil around lead@inc mine in Southeastern China. 2015 , 153, 120-130		72
1758	Assessment of the potential occurrence of acid rock drainage through a geochemical stream sediment survey. 2015 , 73, 3375-3386		3
1757	Genome-scale genetic screen of lead ion-sensitive gene deletion mutations in Saccharomyces cerevisiae. 2015 , 563, 155-9		12
1756	Quantitative evaluation of potential ecological risk of heavy metals in sewage sludge from three wastewater treatment plants in the main urban area of Wuxi, China. 2015 , 31, 235-251		25
1755	Lead in soil and agricultural products in the Huainan Coal Mining Area, Anhui, China: levels, distribution, and health implications. 2015 , 187, 152		24
1754	Characterization of Heavy Metals in Soil Near Coal Mines and a Power Plant in Huainan, China. 2015 , 48, 726-737		14

(2015-2015)

1753	relationship to dissolved organic matter. 2015 , 15, 1510-1519	27
1752	Contamination and risk of heavy metals in soils and sediments from a typical plastic waste recycling area in North China. 2015 , 122, 343-51	97
1751	Effects of long term raw pig slurry inputs on nutrient and metal contamination of tropical volcanogenic soils, Uva Island (South Pacific). <i>Science of the Total Environment</i> , 2015 , 533, 339-46	15
1750	Paper-based scanometric assay for lead ion detection using DNAzyme. 2015 , 896, 152-9	27
1749	Heavy metal accumulation in soils, plants, and hair samples: an assessment of heavy metal exposure risks from the consumption of vegetables grown on soils previously irrigated with wastewater. 2015 , 22, 18456-68	38
1748	A review of soil cadmium contamination in China including a health risk assessment. 2015 , 22, 16441-52	138
1747	Transcriptional response of two metallothionein genes (OcMT1 and OcMT2) and histological changes in Oxya chinensis (Orthoptera: Acridoidea) exposed to three trace metals. 2015 , 139, 310-7	9
1746	Human health risk assessment of heavy metals in the irrigated area of Jinghui, Shaanxi, China, in terms of wheat flour consumption. 2015 , 187, 647	22
1745	Examination of Three Different Organic Waste Biochars as Soil Amendment for Metal-Contaminated Agricultural Soils. 2015 , 226, 1	13
1744	Risk Analysis of Metals in Soil from a Restored Coal Mining Area. 2015 , 95, 183-7	9
1743	Heavy Metal Contamination of Agricultural Soils in Taiyuan, China. 2015 , 25, 901-909	51
1742	Impacts of BDE209 addition on Pb uptake, subcellular partitioning and gene toxicity in earthworm (Eisenia fetida). 2015 , 300, 737-744	26
1741	Environmental distribution and associated human health risk due to trace elements and organic compounds in soil in Jiangxi province, China. 2015 , 122, 406-16	32
1740	Contamination and health risks from heavy metals in cultivated soil in Zhangjiakou City of Hebei Province, China. 2015 , 187, 754	38
1739	Dispersion of particulate matter generated at higher depths in opencast mines. 2015 , 3, 11-27	45
1738	Elemental distribution in the topsoil of the Lake Qinghai catchment, NE Tibetan Plateau, and the implications for weathering in semi-arid areas. 2015 , 152, 1-9	15
1737	Tracing sources of pollution in soils from the Jinding Pb\(\mathbb{Q}\)n mining district in China using cadmium and lead isotopes. 2015 , 52, 147-154	88
1736	Pollution indexing and health risk assessments of trace elements in indoor dusts from classrooms, living rooms and offices in Ogun State, Nigeria. 2015 , 101, 396-404	43

1735	Uptake and depuration kinetics of lead (Pb) and biomarker responses in the earthworm Eisenia fetida after simultaneous exposure to decabromodiphenyl ether (BDE209). 2015 , 113, 45-51	30
1734	Quantitative evaluation of carcinogenic and non-carcinogenic potential for PAHs in coastal wetland soils of China. 2015 , 74, 117-124	48
1733	Source identification and health risk assessment of metals in indoor dust in the vicinity of phosphorus mining, Guizhou Province, China. 2015 , 68, 20-30	26
1732	Distribution and Risk Assessment of Heavy Metals in the Xinzhuangzi Reclamation Soil from the Huainan Coal Mining Area, China. 2015 , 21, 900-912	11
1731	Soil-Plant Metal Relations in Panax notoginseng: An Ecosystem Health Risk Assessment. 2016 , 13,	9
1730	Transcriptome Profiling Analysis of Wolf Spider Pardosa pseudoannulata (Araneae: Lycosidae) after Cadmium Exposure. 2016 , 17,	21
1729	Commercially Available Materials Selection in Sustainable Design: An Integrated Multi-Attribute Decision Making Approach. 2016 , 8, 79	30
1728	Spatial Assessment of Cancer Incidences and the Risks of Industrial Wastewater Emission in China. 2016 , 8, 480	7
1727	Composition of Trace Metals in Dust Samples Collected from Selected High Schools in Pretoria, South Africa. 2016 , 2016, 1-9	10
1726	Pb Uptake and Phytostabilization Potential of the Mining Ecotype of Athyrium wardii (Hook.) Grown in Pb-Contaminated Soil. 2016 , 44, 1184-1190	12
1725	Health Risk Assessment in Calcareous Agricultural Soils Contaminated by Metallic Mining Activity Under Mediterranean Climate. 2016 , 44, 1385-1395	9
1724	Spatial distribution and risk assessment of heavy metals in the farmland along mineral product transportation routes in Zhejiang, China. 2016 , 32, 338-349	19
1723	Assessments of levels, potential ecological risk, and human health risk of heavy metals in the soils from a typical county in Shanxi Province, China. 2016 , 23, 19330-40	85
1722	Removal of Heavy Metal from Wastewater. 2016 , 813-839	3
1721	Distribution of Heavy Metal Pollution in Surface Soil Samples in China: A Graphical Review. 2016 , 97, 303-9	130
1720	Lead Inhibits Human Sperm Functions by Reducing the Levels of Intracellular Calcium, cAMP, and Tyrosine Phosphorylation. 2016 , 238, 295-303	20
1719	Levels and potential health risk of heavy metals in marketed vegetables in Zhejiang, China. 2016 , 6, 20317	58
1718	Species characteristics of lead in sea foods collected from coastal water of Fujian, Southeastern of China. 2016 , 6, 33294	6

(2016-2016)

1717	Comprehensive assessment of seldom monitored trace elements pollution in the riparian soils of the Miyun Reservoir, China. 2016 , 23, 20772-20782		8
1716	Composition profiles, monthly changes and health risk of PCDD/F in fly ash discharged from a municipal solid waste incinerator (MSWI) in Northeast China. 2016 , 6, 111966-111975		4
1715	A proposal of "core enzyme" bioindicator in long-term Pb-Zn ore pollution areas based on topsoil property analysis. 2016 , 213, 760-769		57
1714	Improved ethanol production in the presence of cadmium ions by a Saccharomyces cerevisiae transformed with a novel cadmium-resistance gene DvCRP1. 2016 , 37, 2945-52		O
1713	Temporal and seasonal variations of As, Cd and Pb atmospheric deposition flux in the vicinity of lead smelters in Jiyuan, China. 2016 , 7, 170-179		29
1712	Characterization of PM2.5 generated from opencast coal mining operations: A case study of Sonepur Bazari Opencast Project of India. 2016 , 6, 1-10		18
1711	Release of Pb in soils washed with various extractants. 2016 , 275, 74-81		23
1710	The Effects of Cadmium Exposure on Fitness-Related Traits and Antioxidant Responses in the Wolf Spider, Pardosa pseudoannulata. 2016 , 97, 31-6		15
1709	Potential health risk of selected metals for Polish consumers of oolong tea from the Fujian Province, China. 2016 , 22, 1147-1165		12
1708	Human health risk assessment of heavy metals in a replaced urban industrial area of Qingdao, China. 2016 , 188, 229		14
1707	In-Situ Remediation of Leadlinc Polymetallic Mine Contaminated Soils by MnFe2O4 Microparticles. 2016 , 25, 356-364		2
1706	Heavy metals contamination and human health risk assessment around Obuasi gold mine in Ghana. 2016 , 188, 261		63
1705	Cadmium and lead accumulation and low-molecular-weight organic acids secreted by roots in an intercropping of a cadmium accumulator Sonchus asper L. with Vicia faba L 2016 , 6, 33240-33248		26
1704	Assessment of heavy metal contamination levels and toxicity in sediments and fishes from the Mediterranean Sea (southern coast of Sfax, Tunisia). 2016 , 23, 13954-63		43
1703	Spatial distribution and source identification of heavy metals in soils under different land uses in a sewage irrigation region, northwest China. 2016 , 16, 1547-1556		55
1702	Environmental risk assessment of manganese and its associated heavy metals in a stream impacted by manganese mining in South China. 2016 , 22, 1341-1358		9
1701	Assessing the environmental availability of heavy metals in geogenically contaminated soils of the Sierra de Aracena Natural Park (SW Spain). Is there a health risk?. <i>Science of the Total Environment</i> , 2016 , 560-561, 254-65	10.2	54
1700	Greenhouse cultivation mitigates metal-ingestion-associated health risks from vegetables in wastewater-irrigated agroecosystems. <i>Science of the Total Environment</i> , 2016 , 560-561, 204-11	10.2	39

1699	Treatment of antimony mine drainage: challenges and opportunities with special emphasis on mineral adsorption and sulfate reducing bacteria. 2016 , 73, 2039-51		11
1698	Human Health Risks Associated with Metals from Urban Soil and Road Dust in an Oilfield Area of Southeastern Algeria. 2016 , 70, 556-71		30
1697	Micelles as Soil and Water Decontamination Agents. 2016 , 116, 6042-74		117
1696	Chemical forms of heavy metals in agricultural soils affected by coal mining in the Linhuan subsidence of Huaibei Coalfield, Anhui Province, China. 2016 , 23, 23683-23693		19
1695	Designing a Biostable L-DNAzyme for Lead(II) Ion Detection in Practical Samples. 2016 , 8, 7260-7264		19
1694	Comparison of pollution indices for the assessment of heavy metal in Brisbane River sediment. 2016 , 219, 1077-1091		186
1693	In situ stabilization of heavy metals in multiple-metal contaminated paddy soil using different steel slag-based silicon fertilizer. 2016 , 23, 23638-23647		33
1692	Effects of alkaline and bioorganic amendments on cadmium, lead, zinc, and nutrient accumulation in brown rice and grain yield in acidic paddy fields contaminated with a mixture of heavy metals. 2016 , 23, 23551-23560		16
1691	A simultaneous analysis method of polycyclic aromatic hydrocarbons, nicotine, cotinine and metals in human hair. 2016 , 219, 66-71		23
1690	Assessment of cadmium bioaccessibility to predict its bioavailability in contaminated soils. 2016 , 94, 600-606		51
1689	Cost effective biochar gels with super capabilities for heavy metal removal. 2016 , 6, 75430-75439		5
1688	Spatial gradient of human health risk from exposure to trace elements and radioactive pollutants in soils at the PuchuncavEventanas industrial complex, Chile. 2016 , 218, 322-330		30
1687	Environmental implications of high metal content in soils of a titanium mining zone in Kenya. 2016 , 23, 21431-21440		5
1686	Antioxidant and gene expression responses of Eisenia fetida following repeated exposure to BDE209 and Pb in a soil-earthworm system. <i>Science of the Total Environment</i> , 2016 , 556, 163-8	10.2	38
1685	Nickel Toxicity, Regulation, and Resistance in Bacteria. 2016 , 1131-1144		2
1684	Potential ecological and human health risks of heavy metals in surface soils associated with iron ore mining in Pahang, Malaysia. 2016 , 23, 21086-21097		65
1683	Molecular characterization and expression of vitellogenin gene from Spodoptera exigua exposed to cadmium stress. 2016 , 593, 179-184		16
1682	Composite vs. discrete soil sampling in assessing soil pollution of agricultural sites affected by solid waste disposal. 2016 , 170, 30-38		17

(2016-2016)

1681	Effects of [S,S]-ethylenediaminedisuccinic acid and nitrilotriacetic acid on the efficiency of Pb phytostabilization by Athyrium wardii (Hook.) grown in Pb-contaminated soils. 2016 , 182, 94-100	16
1680	Environmental Contamination by Heavy Metals in Region with Previous Mining Activity. 2016 , 97, 569-75	47
1679	Heavy metal contaminations in soil-rice system: source identification in relation to a sulfur-rich coal burning power plant in Northern Guangdong Province, China. 2016 , 188, 460	27
1678	Assessing the concentration and potential health risk of heavy metals in China's main deciduous fruits. 2016 , 15, 1645-1655	17
1677	Effective radium concentration in topsoils contaminated by lead and zinc smelters. <i>Science of the Total Environment</i> , 2016 , 566-567, 865-876	15
1676	Composition profiles and health risk of PCDD/F in outdoor air and fly ash from municipal solid waste incineration and adjacent villages in East China. <i>Science of the Total Environment</i> , 2016 , 571, 876-82 ^{10.2}	20
1675	Modeling and mapping of critical loads for heavy metals in Kunshan soil. <i>Science of the Total Environment</i> , 2016 , 569-570, 191-200	22
1674	Solgel derived mesoporous GaAlPO4 glass for heavy metal ion sequestration. 2016 , 6, 99149-99157	6
1673	Distribution and Transport of Residual Lead and Copper Along Soil Profiles in a Mining Region of North China. 2016 , 26, 848-860	8
1672	Assessment of pollution of potentially harmful elements in soils surrounding a municipal solid waste incinerator, China. 2016 , 10, 1	12
1671	Chemical and Ecotoxicological Assessment of Multiple Heavy Metal-Contaminated Soil Treated by Phosphate Addition. 2016 , 227, 1	5
1670	Synthesis of calcium alginate nanoparticles for removal of lead ions from aqueous solutions. 2016 , 89, 1177-1182	1
1669	Chelating capture and magnetic removal of non-magnetic heavy metal substances from soil. 2016 , 6, 21027	25
1668	Prenatal metal exposure in the Middle East: imprint of war in deciduous teeth of children. 2016 , 188, 505	14
1667	The effect of biochar and crop straws on heavy metal bioavailability and plant accumulation in a Cd and Pb polluted soil. 2016 , 132, 94-100	147
1666	Mobilization and transport of metal-rich colloidal particles from mine tailings into soil under transient chemical and physical conditions. 2016 , 23, 8021-34	13
1665	Modified adsorbent hydroxypropyl cellulose xanthate for removal of Cu2+ and Ni2+ from aqueous solution. 2016 , 57, 27419-27431	7
1664	Concentrations, spatial distribution, and risk assessment of soil heavy metals in a Zn-Pb mine district in southern China. 2016 , 188, 413	32

1663	Evaluation of water quality variation in lakes, rivers, and ex-mining ponds in Malaysia (review). 2016 , 57, 28215-28239	10
1662	Toxic airborne S, PAH, and trace element legacy of the superhigh-organic-sulphur Ra\(\text{B}\) coal combustion: Cytotoxicity and genotoxicity assessment of soil and ash. <i>Science of the Total</i> 10.2 Environment, 2016 , 566-567, 306-319	29
1661	Urbanization and health in China, thinking at the national, local and individual levels. 2016 , 15 Suppl 1, 32	80
1660	DryingWetting cycles facilitated mobilization and transport of metal-rich colloidal particles from exposed mine tailing into soil in a gold mining region along the Silk Road. 2016 , 75, 1	18
1659	The influence of humic substance on Cd accumulation of phytostabilizer Athyrium wardii (Hook.) grown in Cd-contaminated soils. 2016 , 23, 18524-32	6
1658	Diverse impacts of a step and repeated BDE209-Pb exposures on accumulation and metabolism of BDE209 in earthworms. 2016 , 159, 235-243	5
1657	Selection of metal resistant plant growth promoting rhizobacteria for the growth and metal accumulation of energy maize in a mine soil Effect of the inoculum size. 2016 , 278, 1-11	23
1656	Soil Pollution and Remediation. 2016 , 423-438	1
1655	Chemical coagulation process for the removal of heavy metals from water: a review. 2016 , 57, 1733-1748	110
1654	Effect of soil washing with only chelators or combining with ferric chloride on soil heavy metal removal and phytoavailability: Field experiments. 2016 , 147, 412-9	74
1653	Source apportionment of trace metals in river sediments: A comparison of three methods. 2016 , 211, 28-37	61
1652	Environmental assessment of heavy metals around the largest coal fired power plant in Serbia. 2016 , 139, 44-52	45
1651	Quantitatively assessing the health risk of exposure to PAHs from intake of smoked meats. 2016 , 124, 91-95	38
1650	Source apportionment and health risk assessment of trace metals in surface soils of Beijing metropolitan, China. 2016 , 144, 1002-11	141
1649	Co-contamination of Cu and Cd in paddy fields: Using periphyton to entrap heavy metals. 2016 , 304, 150-8	40
1648	Exposure risk of young population to lead: A case study in Le'an River Basin in Jiangxi Province, China. 2016 , 209, 140-6	14
1647	Human health risk assessment and source diagnosis of polycyclic aromatic hydrocarbons (PAHs) in the corn and agricultural soils along main roadside in Changchun, China. 2016 , 22, 706-720	23
1646	Biotite weathering by Aspergillus niger and its potential utilisation. 2016 , 16, 1901-1910	12

(2016-2016)

1645	Varying effect of biochar on Cd, Pb and As mobility in a multi-metal contaminated paddy soil. 2016 , 152, 196-206	138
1644	Effects of Inorganic and Organic Soil Amendments on Yield and Grain Cadmium Content of Wheat and Corn. 2016 , 33, 11-16	11
1643	Contamination and human health risk of lead in soils around lead/zinc smelting areas in China. 2016 , 23, 13128-36	48
1642	The effect of gyrolite structure properties on Zn2+ ion adsorption. 2016 , 57, 1756-1765	1
1641	Prediction of the bioaccumulation of PAHs in surface sediments of Bohai Sea, China and quantitative assessment of the related toxicity and health risk to humans. 2016 , 104, 92-100	45
1640	Environmental Impacts of Mining. 2016 , 53-157	13
1639	Risk assessment of heavy metals via consumption of vegetables collected from different supermarkets in La Rochelle, France. 2016 , 188, 136	26
1638	Investigating Heavy Metal Pollution in Mining Brownfield and Its Policy Implications: A Case Study of the Bayan Obo Rare Earth Mine, Inner Mongolia, China. 2016 , 57, 879-93	29
1637	Trace Elements in Soils around Coal Mines: Current Scenario, Impact and Available Techniques for Management. 2016 , 2, 1-14	42
1636	Monitoring of heavy metal levels in the major rivers and in residents' blood in Zhenjiang City, China, and assessment of heavy metal elimination via urine and sweat in humans. 2016 , 23, 11034-11045	14
1635	Site-specific risk assessment and integrated management decision-making: A case study of a typical heavy metal contaminated site, Middle China. 2016 , 22, 1224-1241	17
1634	Mitigation Measures and Control Technology for Environmental and Human Impacts. 2016 , 229-269	
1633	Risk assessment of lead emissions from anthropogenic cycle. 2016 , 26, 248-255	7
1632	Measurement of metal bioaccessibility in vegetables to improve human exposure assessments: field study of soil-plant-atmosphere transfers in urban areas, South China. 2016 , 38, 1283-1301	75
1631	Heavy metals and health risk assessment of arable soils and food crops around Pb\(\mathbb{I}\)n mining localities in Enyigba, southeastern Nigeria. 2016 , 116, 182-189	93
1630	Phytotoxicity and detoxification mechanism differ among inorganic and methylated arsenic species in Arabidopsis thaliana. 2016 , 401, 243-257	34
1629	Assessment of Pb and Cd in seed oils and meals and methodology of their extraction. 2016 , 197, 482-8	21
1628	National pattern for heavy metal contamination of topsoil in remote farmland impacted by haze pollution in China. 2016 , 170, 34-40	12

1627	A comprehensive support vector machine-based classification model for soil quality assessment. 2016 , 155, 19-26	46
1626	Enhanced Electrokinetic Remediation of Copper-Contaminated Soils near a Mine Tailing Using the Approaching-Anode Technique. 2016 , 142, 04015079	4
1625	Heavy metals in soils and road dusts in the mining areas of Western Suzhou, China: a preliminary identification of contaminated sites. 2016 , 16, 204-214	49
1624	Impact of sulfur (S) fertilization in paddy soils on copper (Cu) accumulation in rice (Oryza sativa L.) plants under flooding conditions. 2016 , 52, 31-39	33
1623	Heavy metals in the gold mine soil of the upstream area of a metropolitan drinking water source. 2016 , 23, 2831-47	27
1622	Pollution and health risk assessment of heavy metals in urban soil in China. 2016 , 22, 424-434	57
1621	Heavy metal content in vegetables and fruits cultivated in Baia Mare mining area (Romania) and health risk assessment. 2016 , 23, 6062-73	88
1620	Ecological risk assessment of soil contamination by trace elements around coal mining area. 2016 , 16, 159-168	84
1619	Geochemical transformation of soil cover in copperFholybdenum mining areas (Erdenet, Mongolia). 2016 , 16, 1225-1237	17
1618	Analysis of soil characteristics of different land uses and metal bioaccumulation in wheat grown around rivers: possible human health risk assessment. 2017 , 19, 571-588	20
1617	Multi element exposure risk from soil and dust in a coal industrial area. 2017 , 176, 100-107	29
1616	Two potential multi-metal hyperaccumulators found in four mining sites in Hunan Province, China. 2017 , 148, 67-73	29
1615	Bioavailability and risk assessment of potentially toxic elements in garden edible vegetables and soils around a highly contaminated former mining area in Germany. 2017 , 186, 192-200	160
1614	Physiochemical characteristics of aerosol particles in the typical microenvironment of hospital in Shanghai, China. <i>Science of the Total Environment</i> , 2017 , 580, 651-659	9
1613	Mine tailings influencing soil contamination by potentially toxic elements. 2017, 76, 1	25
1612	Immobilization of metals in contaminated soils using natural polymer-based stabilizers. 2017 , 222, 348-355	16
1611	Accumulation and environmental risk assessment of heavy metals in soil and plants of four different ecosystems in a former polymetallic ores mining and smelting area (Slovakia). 2017 , 52, 479-490	27
1610	Source identification and spatial distribution of heavy metals in tobacco-growing soils in Shandong province of China with multivariate and geostatistical analysis. 2017 , 24, 5964-5975	31

(2017-2017)

1609	Accumulation behavior of toxic elements in the soil and plant from Xinzhuangzi reclaimed mining areas, China. 2017 , 76, 1	16
1608	Estimation of decrease in cancer risk by biodegradation of PAHs content from an urban traffic soil. 2017 , 24, 10373-10380	24
1607	Removal of heavy metals from polluted soil using the citric acid fermentation broth: a promising washing agent. 2017 , 24, 9506-9514	24
1606	Study on preferential adsorption of cationic-style heavy metals using amine-functionalized magnetic iron oxide nanoparticles (MIONPs-NH 2) as efficient adsorbents. 2017 , 407, 29-35	32
1605	Spatial distribution and risk assessment of heavy metals in soil near a Pb/Zn smelter in Feng County, China. 2017 , 139, 254-262	150
1604	Evaluation of the bioaccessible gastric and intestinal fractions of heavy metals in contaminated soils by means of a simple bioaccessibility extraction test. 2017 , 176, 81-88	46
1603	Accumulation characteristics and potential risk of heavy metals in soil-vegetable system under greenhouse cultivation condition in Northern China. 2017 , 102, 367-373	50
1602	Attempting to predict the plant-mediated trophic effects of soil salinity: A mechanistic approach to supplementing insufficient information. 2017 , 13, 67-79	10
1601	Preparation of crosslinked chitosan magnetic membrane for cations sorption from aqueous solution. 2017 , 75, 2034-2046	28
1600	Feasibility of using demolition waste as an alternative heavy metal immobilising agent. 2017 , 192, 197-202	7
1599	Arsenic, chromium, molybdenum, and selenium: Geochemical fractions and potential mobilization in riverine soil profiles originating from Germany and Egypt. 2017 , 180, 553-563	78
1598	Assessment of Cr, Ni and Pb Pollution in Rural Agricultural Soils of Tonalite-Trondjhemite Series in Central India. 2017 , 98, 856-866	6
1597	Cladistic analysis of Chinese Soil Taxonomy. 2017 , 10, 11-20	22
1596	Using amine-functionalized magnetite hollow nanospheres (AMHNs) as adsorbents for heavy metal ions. 2017 , 76, 452-458	1
1595	Heavy metals translocation and accumulation from the rhizosphere soils to the edible parts of the medicinal plant Fengdan (Paeonia ostii) grown on a metal mining area, China. 2017 , 143, 19-27	39
1594	Spatial distribution and risk assessment of copper in agricultural soils, China. 2017 , 23, 1404-1416	5
1593	The Adsorption Behavior of Pb2+ and Cd2+ in the Treated Black Soils with Different Freeze-Thaw	6
	Frequencies. 2017 , 228, 1	

1591	Illumina-Based Analysis of Bulk and Rhizosphere Soil Bacterial Communities in Paddy Fields Under Mixed Heavy Metal Contamination. 2017 , 27, 569-578	51
1590	Oil and Gas Produced Water Management: A Review of Treatment Technologies, Challenges, and Opportunities. 2017 , 204, 990-1005	57
1589	Nickel in milled rice (Oryza sativa L.) from the three main rice-producing regions in China. 2017 , 10, 69-77	13
1588	Trace elements in the soil-plant interface: Phytoavailability, translocation, and phytoremediation review. 2017 , 171, 621-645	396
1587	Atmospheric dust deposition on soils around an abandoned fluorite mine (Hammam Zriba, NE Tunisia). 2017 , 158, 153-166	18
1586	Accumulation, spatio-temporal distribution, and risk assessment of heavy metals in the soil-corn system around a polymetallic mining area from the Loess Plateau, northwest China. 2017 , 305, 188-196	86
1585	Geochemical speciation and ecological risk assessment of heavy metals in surface soils collected from the Yellow River Delta National Nature Reserve, China. 2017 , 23, 1585-1600	2
1584	Metal contamination of agricultural soils in the copper mining areas of Singhbhum shear zone in India. 2017 , 126, 1	41
1583	Does heavy metal hurt in the secondary battery production sites? The case study of occupational risk from Yangtze River Delta, China. 2017 , 23, 1285-1299	
1582	Alleviation of cadmium toxicity by potassium supplementation involves various physiological and biochemical features in Nicotiana tabacum L 2017 , 39, 1	15
1581	Complexities Surrounding China's Soil Action Plan. 2017 , 28, 2315-2320	102
1580	Investigating the relationship between lead speciation and bioaccessibility of mining impacted soils and dusts. 2017 , 24, 17056-17067	7
1579	Activable carboxylic acid functionalized crystalline nanocellulose/PVA- co -PE composite nanofibrous membrane with enhanced adsorption for heavy metal ions. 2017 , 186, 70-77	37
1578	Analysis and assessment of heavy metals pollution in soils around a Pb and Zn smelter in Baoji City, Northwest China. 2017 , 23, 1099-1120	23
1577	Heavy metal accumulation and ecosystem engineering by two common mine site-nesting ant species: implications for pollution-level assessment and bioremediation of coal mine soil. 2017 , 189, 195	14
1576	Genome-wide association analysis identifies loci governing mercury accumulation in maize. 2017 , 7, 247	7
1575	Characterization of heavy metals in soils from typical tobacco cultivated areas, China. 2017 , 36, 483-488	9
1574	Iron supply prevents Cd uptake in Arabidopsis by inhibiting IRT1 expression and favoring competition between Fe and Cd uptake. 2017 , 416, 453-462	60

1573	review. 2017 , 178, 513-533	446
1572	Anthropogenic mercury emissions from 1980 to 2012 in China. 2017 , 226, 230-239	62
1571	An Integrated H-G Scheme Identifying Areas for Soil Remediation and Primary Heavy Metal Contributors: A Risk Perspective. 2017 , 7, 341	10
1570	Assessment of toxic heavy metals concentrations in soils and wild and cultivated plant species in Limni abandoned copper mining site, Cyprus. 2017 , 178, 16-22	73
1569	Soil heavy metal contamination and health risks associated with artisanal gold mining in Tongguan, Shaanxi, China. 2017 , 141, 17-24	212
1568	Application of a self-organizing map and positive matrix factorization to investigate the spatial distributions and sources of polycyclic aromatic hydrocarbons in soils from Xiangfen County, northern China. 2017 , 141, 98-106	10
1567	Effects of Mn doping on dielectric properties and energy-storage performance of Na0.5Bi0.5TiO3 thick films. 2017 , 43, 7804-7809	40
1566	Activation and ecological risk assessment of heavy metals in dumping sites of Dabaoshan mine, Guangdong province, China. 2017 , 23, 575-589	3
1565	The impact of atmospheric dust deposition and trace elements levels on the villages surrounding the former mining areas in a semi-arid environment (SE Spain). 2017 , 152, 256-269	41
1564	Profiles of lead in urban dust and the effect of the distance to multi-industry in an old heavy industry city in China. 2017 , 137, 281-287	7
1563	Characterizations of purple non-sulfur bacteria isolated from paddy fields, and identification of strains with potential for plant growth-promotion, greenhouse gas mitigation and heavy metal bioremediation. 2017 , 168, 266-275	33
1562	Phytoremediation of heavy metal contaminated saline soils using halophytes: current progress and future perspectives. 2017 , 25, 269-281	64
1561	Source apportionment and health risk assessment of heavy metals in soil for a township in Jiangsu Province, China. 2017 , 168, 1658-1668	336
1560	Preparation of chemically activated carbon from waste biomass by single-stage and two-stage pyrolysis. 2017 , 143, 643-653	100
1559	Current status and associated human health risk of vanadium in soil in China. 2017 , 171, 635-643	83
1558	Integration of soil magnetometry and geochemistry for assessment of human health risk from metallurgical slag dumps. 2017 , 24, 26410-26423	11
1557	Heterogeneous Ni- and Cd-Bearing Ferrihydrite Precipitation and Recrystallization on Quartz under Acidic pH Condition. 2017 , 1, 621-628	16

1555	Effects of a root-colonized dark septate endophyte on the glutathione metabolism in maize plants under cadmium stress. 2017 , 12, 421-428	16
1554	Application of manures to mitigate the harmful effects of electrokinetic remediation of heavy metals on soil microbial properties in polluted soils. 2017 , 24, 26485-26496	11
1553	Pesticide residues in bayberry (Myrica rubra) and probabilistic risk assessment for consumers in Zhejiang, China. 2017 , 16, 2101-2109	10
1552	Study of integrated risk regionalisation method for soil contamination in industrial and mining area. 2017 , 83, 260-270	9
1551	Biomarker responses of rice plants growing in a potentially toxic element polluted region: A case study in the Le'An Region. 2017 , 187, 97-105	14
1550	Comparison of three types of oil crop rotation systems for effective use and remediation of heavy metal contaminated agricultural soil. 2017 , 188, 148-156	40
1549	Polypyrrole-magnetite dispersive micro-solid-phase extraction combined with ultraviolet-visible spectrophotometry for the determination of rhodamine 6G and crystal violet in textile wastewater. 2017 , 40, 4256-4263	5
1548	Pollution caused by finance and the relative policy analysis in China. 2017 , 28, 808-823	6
1547	Growth and Cd uptake by rice (Oryza sativa) in acidic and Cd-contaminated paddy soils amended with steel slag. 2017 , 189, 247-254	46
1546	Contaminant characteristics and environmental risk assessment of heavy metals in the paddy soils from lead (Pb)-zinc (Zn) mining areas in Guangdong Province, South China. 2017 , 24, 24387-24399	25
1545	On-line/on-site analysis of heavy metals in water and soils by laser induced breakdown spectroscopy. 2017 , 137, 39-45	24
1544	Integrated GIS and multivariate statistical analysis for regional scale assessment of heavy metal soil contamination: A critical review. 2017 , 231, 1188-1200	234
1543	Investigating the uptake and acquisition of potentially toxic elements in plants and health risks associated with the addition of fresh biowaste amendments to industrially contaminated soil. 2017 , 28, 2596-2607	26
1542	Immobilization of Pb, Cd, Cu and Zn in a Multi-Metal Contaminated Acidic Soil using Inorganic Amendment Mixtures. 2017 , 11, 425-437	10
1541	The Extent of Heavy Metal Pollution and Their Potential Health Risk in Topsoils of the Massively Urbanized District of Shanghai. 2017 , 73, 362-376	18
1540	Human health risk assessment and source analysis of metals in soils along the G324 Roadside, China, by Pb and Sr isotopic tracing. 2017 , 305, 293-304	23
1539	Comparison of the adsorption preference using superparamagnetic Fe3O4-SH nanoparticles to remove aqueous heavy metal contaminants. 2017 , 125, 319-327	18
1538	Copper, nickel, and zinc cations biosorption properties of Gram-positive and Gram-negative MerP mercury-resistance proteins. 2017 , 80, 168-175	2

1537	The current status of heavy metal in lake sediments from China: Pollution and ecological risk assessment. 2017 , 7, 5454-5466	69
1536	Application of phosphate solubilizing bacteria in immobilization of Pb and Cd in soil. 2017 , 24, 21877-21884	31
1535	Recovery of precious metals from waste streams. 2017 , 10, 1194-1198	34
1534	Atmospheric emission of NOx from mining explosives: A critical review. 2017 , 167, 81-96	24
1533	Distribution and Speciation of Chromium and Cadmium in an Organic and Inorganic Fertilized Chernozem. 2017 , 27, 1125-1134	6
1532	Cancer Risk Assessment of Polycyclic Aromatic Hydrocarbons in the Soils and Sediments of India: A Meta-Analysis. 2017 , 60, 784-795	21
1531	Environmental pollution by heavy metals in the SØ JoØ River basin, southern Brazil. 2017 , 76, 1	9
1530	Beneficial effects of tobacco biochar combined with mineral additives on (im)mobilization and (bio)availability of Pb, Cd, Cu and Zn from Pb/Zn smelter contaminated soils. 2017 , 145, 528-538	41
1529	Concentrations of particulates and metallic elements in slow wind (average 1.5 m/s) in the winter season. 2017 , 18, 188-196	3
1528	Occurrence of arbuscular mycorrhizal fungi in mining-impacted sites and their contribution to ecological restoration: Mechanisms and applications. 2017 , 47, 1901-1957	73
1527	Source and Assessment of Metal Pollution at Khetri Copper Mine Tailings and Neighboring Soils, Rajasthan, India. 2017 , 99, 633-641	14
1526	Investigation and health risk assessment of heavy metals in soils from partial areas of Daye city, china. 2017 , 64, 012066	2
1525	Indices of soil contamination by heavy metals - methodology of calculation for pollution assessment (minireview). 2017 , 189, 616	100
1524	Heavy metal contamination in surface sediments of representative reservoirs in the hilly area of southern China. 2017 , 24, 26574-26585	7
1523	Identification of cadmium resistance and adsorption gene from Escherichia coli BL21 (DE3). 2017 , 7, 51460-51	4 6 5
1522	Understanding the variation of microbial community in heavy metals contaminated soil using high throughput sequencing. 2017 , 144, 300-306	122
1521	Effects of a dark septate endophyte (DSE) on growth, cadmium content, and physiology in maize under cadmium stress. 2017 , 24, 18494-18504	28
1520	Lead adsorption by biochar under the elevated competition of cadmium and aluminum. 2017 , 7, 2264	30

1519	Assessment of the potential health risks of heavy metals in soils in a coastal industrial region of the Yangtze River Delta. 2017 , 24, 19816-19826	55
1518	Effect of different nitrogen forms on the toxicity of Zn in wheat seedling root: a modeling analysis. 2017 , 24, 18896-18906	5
1517	Effect of phosphate amendment on relative bioavailability and bioaccessibility of lead and arsenic in contaminated soils. 2017 , 339, 256-263	34
1516	Study of the potential of barnyard grass for the remediation of Cd- and Pb-contaminated soil. 2017 , 189, 224	5
1515	Ancient Heavy Metal Contamination in Soils as a Driver of Tolerant Anthyllis vulneraria Rhizobial Communities. 2017 , 83,	17
1514	Oxidative stress responses and insights into the sensitivity of the earthworms Metaphire guillelmi and Eisenia fetida to soil cadmium. <i>Science of the Total Environment</i> , 2017 , 574, 300-306	64
1513	Tuning sensitivity of a simple hydrazone for selective fluorescent "turn on" chemo-sensing of Al and its application in living cells imaging. 2017 , 164, 307-313	48
1512	Toxic effect of two kinds of mineral collectors on soil microbial richness and activity: analysis by microcalorimetry, microbial count, and enzyme activity assay. 2017 , 24, 1565-1577	15
1511	Assessment of risk to human health from simultaneous exposure to multiple contaminants in an artisanal gold mine in Serra Pelada, Par Brazil. Science of the Total Environment, 2017 , 576, 683-695	49
1510	Spatial health risk assessment and hierarchical risk management for mercury in soils from a typical contaminated site, China. 2017 , 39, 923-934	75
1509	Human exposure risk to heavy metals through groundwater used for drinking in an intensively irrigated river delta. 2017 , 7, 3267-3280	94
1508	Reprint of "Environmental assessment of heavy metals around the largest coal fired power plant in Serbia". 2017 , 148, 26-34	13
1507	Occupational metal exposures, smoking and risk of diabetes and prediabetes. 2017 , 67, 217-223	8
1506	Comparative of Quercus spp. and Salix spp. for phytoremediation of Pb/Zn mine tailings. 2017 , 24, 3400-3411	19
1505	Foliar heavy metal uptake, toxicity and detoxification in plants: A comparison of foliar and root metal uptake. 2017 , 325, 36-58	445
1504	Bioavailability and health risk assessment of potentially toxic elements in Thriasio Plain, near Athens, Greece. 2017 , 39, 319-330	55
1503	Multiple metals exposure, elevated blood glucose and dysglycemia among Chinese occupational workers. 2017 , 31, 101-107	18
1502	The effect of plant growth-promoting rhizobacteria on the growth, physiology, and Cd uptake of Arundo donax L. 2017 , 19, 360-370	34

1501	Assessment of pollution levels, potential ecological risk and human health risk of heavy metals/metalloids in dust around fuel filling stations from the Kumasi Metropolis, Ghana. 2017 , 3, 14121	153	19
1500	Heavy metal pollution and health risk in China. 2017 , 1, 47-55		25
1499	Application of a mobile laser-induced breakdown spectroscopy system to detect heavy metal elements in soil. 2017 , 56, 5204-5210		26
1498	Bioaccessibility and Human Exposure Assessment of Cadmium and Arsenic in Pakchoi Genotypes Grown in Co-Contaminated Soils. 2017 , 14,		14
1497	Measuring Spatial Distribution Characteristics of Heavy Metal Contaminations in a Network-Constrained Environment: A Case Study in River Network of Daye, China. 2017 , 9, 986		5
1496	Comparisons of Soil Properties, Enzyme Activities and Microbial Communities in Heavy Metal Contaminated Bulk and Rhizosphere Soils of Robinia pseudoacacia L. in the Northern Foot of Qinling Mountain. 2017 , 8, 430		16
1495	Comparison of Health Risk Assessments of Heavy Metals and As in Sewage Sludge from Wastewater Treatment Plants (WWTPs) for Adults and Children in the Urban District of Taiyuan, China. 2017 , 14,		25
1494	Risk Assessment and Source Identification of 17 Metals and Metalloids on Soils from the Half-Century Old Tungsten Mining Areas in Lianhuashan, Southern China. 2017 , 14,		10
1493	Heavy Metal Contamination and Health Risk Assessment in the Vicinity of a Tailing Pond in Guangdong, China. 2017 , 14,		80
1492	Assessment of soil heavy metal pollution in a former mining area Defore and after the end of mining activities. 2017 , 12, 229-236		29
1491	Assessment of Heavy Metal Pollution and Health Risks in the Soil-Plant-Human System in the Yangtze River Delta, China. 2017 , 14,		182
1490	The effects of arbuscular mycorrhizal fungi on glomalin-related soil protein distribution, aggregate stability and their relationships with soil properties at different soil depths in lead-zinc contaminated area. 2017 , 12, e0182264		41
1489	Health Risk Assessment of Heavy Metal in Moso Bamboo Shoots from Farm Markets, China. 2017 , 23, 511-515		2
1488	Health Risk Assessment of Trace Metals in Various Environmental Media, Crops and Human Hair from a Mining Affected Area. 2017 , 14,		23
1487	Simultaneous Removal of Cu and Cd From Soil and Water in Paddy Fields by Native Periphyton. 2017 , 323-349		1
1486	Differential distribution of metals in tree tissues growing on reclaimed coal mine overburden dumps, Jharia coal field (India). 2018 , 25, 9745-9758		24
1485	Spatial distribution of heavy metals, salinity and alkalinity in soils around bauxite residue disposal area. <i>Science of the Total Environment</i> , 2018 , 628-629, 1200-1208	10.2	34
1484	Assessment of soil heavy metals for eco-environment and human health in a rapidly urbanization area of the upper Yangtze Basin. 2018 , 8, 3256		101

1483	Enrichment, spatial distribution of potential ecological and human health risk assessment via toxic metals in soil and surface water ingestion in the vicinity of Sewakht mines, district Chitral, Northern Pakistan. 2018 , 154, 127-136	67
1482	Achievability of Municipal Solid Waste Compost for Tea Cultivation with Special Reference to Cadmium. 2018 , 46, 1800093	3
1481	The assessment of soil contamination by heavy metals using geostatistical sequential Gaussian simulation method. 2018 , 24, 2142-2161	5
1480	Soil heavy metal pollution and risk assessment associated with the Zn-Pb mining region in Yunnan, Southwest China. 2018 , 190, 194	31
1479	The occurrences of heavy metals in farmland soils and their propagation into paddy plants. 2018 , 190, 201	17
1478	The health risk levels of different age groups of residents living in the vicinity of municipal solid waste incinerator posed by PCDD/Fs in atmosphere and soil. <i>Science of the Total Environment</i> , 2018 , 40.2 631-632, 81-91	22
1477	Influence of Cu application on ammonia oxidizers in fluvo-aquic soil. 2018 , 321, 141-150	12
1476	Impact of key geochemical parameters on the highly efficient sequestration of Pb(II) and Cd(II) in water using g-C3N4 nanosheets. 2018 , 258, 40-47	13
1475	Occurrence and risk assessment of potentially toxic elements and typical organic pollutants in contaminated rural soils. <i>Science of the Total Environment</i> , 2018 , 630, 618-629	42
1474	Dissipation behaviour and dietary risk assessment of boscalid, triflumizole and its metabolite (FM-6-1) in open-field cucumber based on QuEChERS using HPLC-MS/MS technique. 2018 , 98, 4501-4508	9
1473	Distribution of heavy metals and metalloid in surface sediments of heavily-mined area for bauxite ore in Pengerang, Malaysia and associated risk assessment. 2018 , 165, 454-464	88
1472	Using agro-industrial wastes for the cultivation of microalgae and duckweeds: Contamination risks and biomass safety concerns. 2018 , 36, 1238-1254	75
1471	Cadmium and arsenic affect root development in Oryza sativa L. negatively interacting with auxin. 2018 , 151, 64-75	66
1470	Inhibition of NADPH oxidase increases defense enzyme activities and improves maize seed germination under Pb stress. 2018 , 158, 187-192	12
1469	A multi-medium chain modeling approach to estimate the cumulative effects of cadmium pollution on human health. 2018 , 239, 308-317	45
1468	The de-industrialization, re-suburbanization and health risks of brownfield land reuse: Case study of a toxic soil event in Changzhou, China. 2018 , 74, 187-194	20
1467	Risk assessment, spatial distribution, and source apportionment of heavy metals in Chinese surface soils from a typically tobacco cultivated area. 2018 , 25, 16852-16863	11
1466	The copper complexation ability of a synthetic humic-like acid formed by an abiotic humification process and the effect of experimental factors on its copper complexation ability. 2018 , 25, 15873-15884	7

1465	Smaller-lateral-size graphene oxide hydrosols sealed in dialysis bags for enhanced trace Pb(II) removal from water without re-pollution. 2018 , 445, 586-595		5	
1464	Heavy metal pollution in reservoirs in the hilly area of southern China: Distribution, source apportionment and health risk assessment. <i>Science of the Total Environment</i> , 2018 , 634, 158-169	10.2	54	
1463	Cadmium exposure and early renal effects in the children and adults living in a tungsten-molybdenum mining areas of South China. 2018 , 25, 15089-15101		14	
1462	Use of portable X-ray fluorescence spectroscopy and geostatistics for health risk assessment. 2018 , 153, 68-77		6	
1461	Transversely Excited Atmospheric CO2 Laser-Induced Plasma Spectroscopy for the Detection of Heavy Metals in Soil. 2018 , 84, 1108-1113		1	
1460	Highly selective and sensitive turn-on fluorescent sensor for detection of Al based on quinoline-base Schiff base. 2018 , 195, 157-164		58	
1459	Life cycle assessment of gold production in China. 2018 , 179, 143-150		49	
1458	Combined effects of antimony and sodium diethyldithiocarbamate on soil microbial activity and speciation change of heavy metals. Implications for contaminated lands hazardous material pollution in nonferrous metal mining areas. 2018 , 349, 160-167		42	
1457	Bamboo- and pig-derived biochars reduce leaching losses of dibutyl phthalate, cadmium, and lead from co-contaminated soils. 2018 , 198, 450-459		97	
1456	Heavy metal contents and enrichment characteristics of dominant plants in wasteland of the downstream of a lead-zinc mining area in Guangxi, Southwest China. 2018 , 151, 266-271		52	
1455	Preparation of dumbbell manganese dioxide/gelatin composites and their application in the removal of lead and cadmium ions. 2018 , 350, 46-54		42	
1454	Controlling Factors and Pollution Assessment of Potentially Toxic Elements in Topsoils of the Issyk-Kul Lake Region, Central Asia. 2018 , 27, 147-160		5	
1453	Enhanced electrokinetic remediation of lead- and cadmium-contaminated paddy soil by composite electrolyte of sodium chloride and citric acid. 2018 , 18, 1915-1924		23	
1452	Chemical speciation distribution characteristics and ecological risk assessment of heavy metals in soil from Sunan mining area, Anhui Province, China. 2018 , 24, 1694-1709		12	
1451	Environmental risks posed by heavy metal contamination from mine waste: Case study from northwest Iran. 2018 , 24, 1532-1549		3	
1450	Contrasting effects of alkaline amendments on the bioavailability and uptake of Cd in rice plants in a Cd-contaminated acid paddy soil. 2018 , 25, 8827-8835		52	
1449	Human perturbation increases the fluxes of dissolved molybdenum from land to ocean - The case of the Jiulong River in China. 2018 , 210, 139-145		2	
1448	Heavy metals status, transport mechanisms, sources, and factors affecting their mobility in Chinese agricultural soils. 2018 , 77, 1		29	

1447	Distribution and Multivariate Pollution Risks Assessment of Heavy Metals and Natural Radionuclides Around Abandoned Iron-Ore Mines in North Central Nigeria. 2018 , 2, 331-343	19
1446	Challenges and opportunities for managing aquatic mercury pollution in altered landscapes. 2018 , 47, 141-169	116
1445	Heavy metals contamination and human health risk assessment in soils of an industrial area, Bandar Abbas Bouth Central Iran. 2018 , 24, 1058-1073	22
1444	Human health risk assessment of heavy metals in the soilPanax notoginseng system in Yunnan province, China. 2018 , 24, 1312-1326	13
1443	A human health risk assessment of heavy metals in agricultural soils of Yanqi Basin, Silk Road Economic Belt, China. 2018 , 24, 1352-1366	33
1442	Health risk assessment of instant noodles commonly consumed in Port Harcourt, Nigeria. 2018 , 25, 2580-258	37 10
1441	Measuring heavy metal stress in ryegrass using helium-cadmium excitation-based photoluminescence. 2018 , 25, 7059-7066	1
1440	Use of magnetic biochars for the immobilization of heavy metals in a multi-contaminated soil. Science of the Total Environment, 2018 , 622-623, 892-899	92
1439	Compound washing remediation and response surface analysis of lead-contaminated soil in mining area by fermentation broth and saponin. 2018 , 25, 6899-6908	3
1438	Rhizosphere characteristics of phytostabilizer Athyrium wardii (Hook.) involved in Cd and Pb accumulation. 2018 , 148, 892-900	23
1437	Role of chelant on Cu distribution and speciation in Lolium multiflorum by synchrotron techniques. Science of the Total Environment, 2018, 621, 772-781	19
1436	Extractive waste management: A risk analysis approach. <i>Science of the Total Environment</i> , 2018 , 622-623, 900-912	20
1435	Consumption of water from ex-mining ponds in Klang Valley and Melaka, Malaysia: A health risk study. 2018 , 195, 641-652	11
1434	Entrapment of ball-milled biochar in Ca-alginate beads for the removal of aqueous Cd(II). 2018, 61, 161-168	71
1433	Bioavailability and soil-to-crop transfer of heavy metals in farmland soils: A case study in the Pearl River Delta, South China. 2018 , 235, 710-719	132
1432	Mobility, bioavailability and ecological risk assessment of cadmium and chromium in soils contaminated by paper mill wastes. 2018 , 6, 189-199	21
1431	Contamination characteristics and source apportionment of heavy metals in topsoil from an area in Xi'an city, China. 2018 , 151, 153-160	65
1430	Application of sulfur fertilizer reduces cadmium accumulation and toxicity in tobacco seedlings (Nicotiana tabacum). 2018 , 85, 165-170	11

1429	Individual and combined effects of enrofloxacin and cadmium on soil microbial biomass and the ammonia-oxidizing functional gene. <i>Science of the Total Environment</i> , 2018 , 624, 900-907	10.2	36
1428	Assessment of emissions of trace elements and sulfur gases from sulfide tailings. 2018 , 186, 256-269		12
1427	Uptake and distribution of several inorganic ions in Nephrolepis cordifolia (L.) C. Presl grown on contaminated soil. 2018 , 152, 59-69		1
1426	Metagenomic analysis of microbial community and function involved in cd-contaminated soil. 2018 , 18, 11		79
1425	In situ electrokinetic remediation of toxic metal-contaminated soil driven by solid phase microbial fuel cells with a wheat straw addition. 2018 , 93, 2860-2867		17
1424	Dominant factor affecting Pb speciation and the leaching risk among land-use types around Pb-Zn mine. 2018 , 326, 123-132		20
1423	Risk assessment and source analysis of soil heavy metal pollution from lower reaches of Yellow River irrigation in China. <i>Science of the Total Environment</i> , 2018 , 633, 1136-1147	10.2	137
1422	Risk analysis of heavy metal concentration in surface waters across the rural-urban interface of the Wen-Rui Tang River, China. 2018 , 237, 639-649		120
1421	Distribution of radionuclides and heavy metals in the bituminous sand deposit in Ogun State, Nigeria [A multi-dimensional pollution, health and radiological risk assessment. 2018 , 190, 187-199		24
1420	Removal of Pb(II) from aqueous solution using hydroxyapatite/calcium silicate hydrate (HAP/C-S-H) composite adsorbent prepared by a phosphate recovery process. 2018 , 344, 53-61		68
1419	Contamination source apportionment and health risk assessment of heavy metals in soil around municipal solid waste incinerator: A case study in North China. <i>Science of the Total Environment</i> , 2018 , 631-632, 348-357	10.2	112
1418	Geochemical properties of topsoil around the coal mine and thermoelectric power plant. 2018 , 53, 793-8	808	9
1417	Changes in heavy metal bioavailability and speciation from a Pb-Zn mining soil amended with biochars from co-pyrolysis of rice straw and swine manure. <i>Science of the Total Environment</i> , 2018 , 633, 300-307	10.2	133
1416	Cost-Effectiveness Analysis for Soil Heavy Metal Contamination Treatments. 2018 , 229, 1		17
1415	Geochemical soil anomalies: Assessment of risk to human health and implications for environmental monitoring. 2018 , 190, 325-335		7
1414	Ectopic expression of SaNRAMP3 from Sedum alfredii enhanced cadmium root-to-shoot transport in Brassica juncea. 2018 , 156, 279-286		17
1413	Influence of cadmium-contaminated soil on earthworm communities in a subtropical area of China. 2018 , 127, 64-73		11
1412	Accumulation, fractionation, and risk assessment of mercury and arsenic in the soil-wheat system from the wastewater-irrigated soil in Baiyin, northwest China. 2018 , 25, 14856-14867		14

1411	Environmental and public health related risk of veterinary zinc in pig production - Using Denmark as an example. 2018 , 114, 181-190		18
1410	Development of Acridine-Derived II urn On[Al3+ Fluorescent Sensors and Their Imaging in Living Cells. 2018 , 3, 2805-2811		10
1409	Contemporary sources and levels of heavy metal contamination in urban soil of Broken Hill, Australia after ad hoc land remediation. 2018 , 32, 18-34		5
1408	Influence of phosphorous fertilization on copper phytoextraction and antioxidant defenses in castor bean (Ricinus communis L.). 2018 , 25, 115-123		26
1407	Comparison among soil additives for enhancing Pteris vittata L.: Phytoremediation of As-contaminated soil. 2018 , 20, 1300-1306		12
1406	Concentration of heavy metals in vegetables and potential health risk assessment in China. 2018 , 40, 313-322		68
1405	Using poly-glutamic acid as soil-washing agent to remediate heavy metal-contaminated soils. 2018 , 25, 5231-5242		22
1404	Multivariate geostatistical analysis and source identification of heavy metals in the sediment of Poyang Lake in China. <i>Science of the Total Environment</i> , 2018 , 621, 1433-1444	10.2	116
1403	Public health risk assessment with bioaccessibility considerations for soil PAHs at oil refinery vicinity areas in India. <i>Science of the Total Environment</i> , 2018 , 616-617, 1477-1484	10.2	28
1402	Spatial characteristics of heavy metal pollution and the potential ecological risk of a typical mining area: A case study in China. 2018 , 113, 204-219		74
1401	Effects of biochar addition on toxic element concentrations in plants: A meta-analysis. <i>Science of the Total Environment</i> , 2018 , 616-617, 970-977	10.2	35
1400	Source apportionment of heavy metals in agricultural soil based on PMF: A case study in Hexi Corridor, northwest China. 2018 , 193, 189-197		216
1399	Using compost and technosol combined with biochar and Brassica juncea L. to decrease the bioavailable metal concentration in soil from a copper mine settling pond. 2018 , 25, 1294-1305		9
1398	Origin and spatial distribution of heavy metals and carcinogenic risk assessment in mining areas at You'xi County southeast China. 2018 , 310, 99-106		77
1397	A heavy metal module coupled with the SWAT model and its preliminary application in a mine-impacted watershed in China. <i>Science of the Total Environment</i> , 2018 , 613-614, 1207-1219	10.2	16
1396	Application of EDTA-functionalized bamboo activated carbon (BAC) for Pb(II) and Cu(II) removal from aqueous solutions. 2018 , 428, 648-658		68
1395	Zeolite-supported nanoscale zero-valent iron: New findings on simultaneous adsorption of Cd(II), Pb(II), and As(III) in aqueous solution and soil. 2018 , 344, 1-11		289
1394	Pyrolysis Characteristics of Biomass Impregnated with Cadmium, Copper and Lead: Influence and Distribution. 2018 , 9, 1223-1230		12

1393	Advances in organic-inorganic hybrid sorbents for the extraction of organic and inorganic pollutants in different types of food and environmental samples. 2018 , 41, 195-208	21
1392	Concentrations and Exposure Evaluation of Metals in Diverse Food Items from Chengdu, China. 2018 , 74, 131-139	11
1391	Impacts of environmental factors on the whole microbial communities in the rhizosphere of a metal-tolerant plant: Elsholtzia haichowensis Sun. 2018 , 237, 1088-1097	52
1390	Rapid evaluation of arsenic contamination in paddy soils using field portable X-ray fluorescence spectrometry. 2018 , 64, 345-351	6
1389	How can environmental knowledge transfer into pro-environmental behavior among Chinese individuals? Environmental pollution perception matters. 2018 , 26, 289-300	13
1388	Spatiotemporal variation and exposure risk to human health of potential toxic elements in suburban vegetable soils of a megacity, SW China, 2012-2016. 2018 , 25, 4223-4237	6
1387	Distribution of Cr, Ni and Co in soils and rocks of Neyriz area (Iran): the influence of ophiolitic formations. 2018 , 64, 1106-1118	2
1386	Arsenate inhibition on kinetic characteristics of alkaline phosphatase as influenced by pH. 2018 , 85, 1101-110	6 9
1385	Biochar application for the remediation of heavy metal polluted land: A review of in situ field trials. Science of the Total Environment, 2018 , 619-620, 815-826	310
1384	Health risk evaluation of heavy metals in green land soils from urban parks in Urumqi, northwest China. 2018 , 25, 4459-4473	19
1383	Characterization of heavy metals in coal gangue-reclaimed soils from a coal mining area. 2018 , 186, 1-11	55
1382	Risk assessment and driving factors for artificial topography on element heterogeneity: Case study at Jiangsu, China. 2018 , 233, 246-260	4
1381	Biochar/MnAl-LDH composites for Cu (Dremoval from aqueous solution. 2018, 538, 443-450	59
1380	Accurate quantification of toxic elements in medicine food homologous plants using ICP-MS/MS. 2018 , 245, 692-697	14
1379	Risk assessment and sources identification of soil heavy metals in a typical county of Chongqing Municipality, Southwest China. 2018 , 113, 275-281	31
1378	Heavy metal exposure from co-processing of hazardous wastes for cement production and associated human risk assessment. 2018 , 15, 733-742	7
1377	Thallium pollution and potential ecological risk in the vicinity of coal mines in Henan Province, China. 2018 , 30, 107-111	8
1376	Detection of cadmium in soils using laser-induced breakdown spectroscopy combined with spatial confinement and resin enrichment 2018 , 8, 39635-39640	13

1375	Application And Prospect Of Talc As Heavy Metal Passivation Agent. 2018 , 392, 032029	2
1374	Application of an Interpolation Method in Pollution Survey by Matlab. 2018 , 170, 032051	1
1373	Distribution and Phytoavailability of Potentially Toxic Metals in Different Fe/Mg Mine Tailings. 2018 , 15,	2
1372	Enhanced Removal of Toxic Heavy Metals Using Swarming Biohybrid Adsorbents. 2018 , 28, 1806340	73
1371	Trace Metal Pollution in Topsoil Surrounding the Xiangtan Manganese Mine Area (South-Central China): Source Identification, Spatial Distribution and Assessment of Potential Ecological Risks. 2018 , 15,	14
1370	Modeling of Trace Metal Migration and Accumulation Processes in a Soil-Wheat System in Lihe Watershed, China. 2018 , 15,	7
1369	Lead Exposure in Low and Middle-Income Countries: Perspectives and Lessons on Patterns, Injustices, Economics, and Politics. 2018 , 15,	32
1368	Toxic heavy metal contamination assessment and speciation in sugarcane soil. 2018 , 108, 042059	1
1367	Spatial distribution, source, and risk assessment of soil toxic metals in the coal-mining region of northwestern China. 2018 , 11, 1	6
1366	Heavy metal composition of maize and tomato grown on contaminated soils. 2018 , 3, 414-426	3
1365	On-Site Solidification/Stabilization of Cd, Zn, and Pb Co-Contaminated Soil Using Cement: Field Trial at Dongdagou Ditch, Northwest China. 2018 , 35, 1329-1339	5
1364	Pollution Assessment of Trace Elements in Agricultural Soils around Copper Mining Area. 2018, 10, 4533	15
1363	Long-term impact of cement plant emissions on the elemental composition of both soils and pine stands and on the formation of Scots pine seeds. 2018 , 243, 1383-1393	6
1362	Characterization of chemical elements in common spices of Bangladesh for dietary intake and possible health risk assessment by INAA and AAS techniques. 2018 , 318, 1347-1357	12
1361	Multivariate linear regression model for source apportionment and health risk assessment of heavy metals from different environmental media. 2018 , 165, 555-563	20
1360	Immobilization of heavy metals in two contaminated soils using a modified magnesium silicate stabilizer. 2018 , 25, 32562-32571	18
1359	Assessment of Heavy Metal Pollution in the Sediment of the Main Tributaries of Dongting Lake, China. 2018 , 10, 1060	25
1358	Study of the adsorption process of heavy metals cations on Kraft lignin. 2018 , 139, 248-258	22

1357	Source Contribution Analysis and Collaborative Assessment of Heavy Metals in Vegetable-Growing Soils. 2018 , 66, 10943-10951	28
1356	Adsorption and Desorption of Cd by Soil Amendment: Mechanisms and Environmental Implications in Field-Soil Remediation. 2018 , 10, 2337	18
1355	Effects of Mining Activities on the Release of Heavy Metals (HMs) in a Typical Mountain Headwater Region, the Qinghai-Tibet Plateau in China. 2018 , 15,	31
1354	Impact of the Coal Mining on the Spatial Distribution of Potentially Toxic Metals in Farmland Tillage Soil. 2018 , 8, 14925	14
1353	The enhanced thermolysis of heavy oil contaminated soil using CO2 for soil remediation and energy recovery. 2018 , 28, 367-373	10
1352	Metabolomic alterations and oxidative stress are associated with environmental pollution in Procambarus clarkii. 2018 , 205, 76-88	19
1351	Mercury-polluted sediments in confined disposal areas: a new modeling approach. 2018, 29, 841-857	
1350	Biosorption characteristics of a highly Mn(II)-resistant Ralstonia pickettii strain isolated from Mn ore. 2018 , 13, e0203285	16
1349	Effective phytoremediation of low-level heavy metals by native macrophytes in a vanadium mining area, China. 2018 , 25, 31272-31282	29
1348	The impact of varying abiotic humification conditions and the resultant structural characteristics on the copper complexation ability of synthetic humic-like acids in aquatic environments. 2018 , 165, 603-610	1
1347	Distribution characteristics and pollution assessment of soil heavy metals over a typical nonferrous metal mine area in Chifeng, Inner Mongolia, China. 2018 , 77, 1	14
1346	Spatial Distribution and Risk Assessment of Heavy Metals in Paddy Soils of Yongshuyu Irrigation Area from Songhua River Basin, Northeast China. 2018 , 28, 797-809	24
1345	Heavy metal pollution of oil-based drill cuttings at a shale gas drilling field in Chongqing, China: A human health risk assessment for the workers. 2018 , 165, 160-163	32
1344	Risk Assessment of the Drinking Water Samples in the Rural Area from MG, Brazil. 2018 , 12, 965-971	5
1343	Risk Assessment and Source Identification of Toxic Metals in the Agricultural Soil around a Pb/Zn Mining and Smelting Area in Southwest China. 2018 , 15,	21
1342	Bioaccessibility and source identification of heavy metals in agricultural soils contaminated by mining activities. 2018 , 77, 1	7
1341	Environmental toxic metal contaminants and risk of cardiovascular disease: systematic review and meta-analysis. 2018 , 362, k3310	150
1340	Crystalline Swelling Process of Mg-Exchanged Montmorillonite: Effect of External Environmental Solicitation. 2018 , 2018, 1-18	1

1339	Heavy metal pollution caused by small-scale metal ore mining activities: A case study from a polymetallic mine in South China. <i>Science of the Total Environment</i> , 2018 , 639, 217-227	10.2	119
1338	Continuous impact of mining activities on soil heavy metals levels and human health. <i>Science of the Total Environment</i> , 2018 , 639, 900-909	10.2	83
1337	Enrichment and sources of trace metals in roadside soils in Shanghai, China: A case study of two urban/rural roads. <i>Science of the Total Environment</i> , 2018 , 631-632, 942-950	10.2	67
1336	Making the links among environmental protection, process safety, and industry 4.0. 2018 , 117, 372-382		61
1335	Chemical speciation and risk assessment of cadmium in soils around a typical coal mining area of China. 2018 , 160, 67-74		26
1334	Contamination of heavy metals and isotopic tracing of Pb in surface and profile soils in a polluted farmland from a typical karst area in southern China. <i>Science of the Total Environment</i> , 2018 , 637-638, 1035-1045	10.2	41
1333	One-century sedimentary record of heavy metal pollution in western Taihu Lake, China. 2018 , 240, 709-	716	45
1332	Contamination levels and health risk assessments of heavy metals in an oasis-desert zone: a case study in northwest China. 2018 , 25, 22606-22618		8
1331	Effect of plant growth on Pb and Zn geoaccumulation in 300-year-old mine tailings of Zacatecas, MBico. 2018 , 77, 1		2
1330	Copper and zinc levels in soil, water, wheat, and hair of inhabitants of three areas of the Orenburg region, Russia. 2018 , 166, 158-166		10
1329	A causation-based method developed for an integrated risk assessment of heavy metals in soil. <i>Science of the Total Environment</i> , 2018 , 642, 1396-1405	10.2	7
1328	Regional risk assessment of trace elements in farmland soils associated with improper e-waste recycling activities in Southern China. 2018 , 192, 112-119		15
1327	Screening of native plants from wasteland surrounding a Zn smelter in Feng County China, for phytoremediation. 2018 , 162, 178-183		34
1326	Contamination of soils by potentially toxic elements in the impact zone of tungsten-molybdenum ore mine in the Baikal region: A survey and risk assessment. <i>Science of the Total Environment</i> , 2018 , 642, 63-76	10.2	32
1325	Personality interacts with habitat quality to govern individual mortality and dispersal patterns. 2018 , 8, 7216-7227		10
1324	Microcalorimetry and enzyme activity to determine the effect of nickel and sodium butyl xanthate on soil microbial community. 2018 , 163, 577-584		17
1323	Echinodermata: The Complex Immune System in Echinoderms. 2018 , 409-501		23
1322	Risk assessment for potentially toxic metal(loid)s in potatoes in the indigenous zinc smelting area of northwestern Guizhou Province, China. 2018 , 120, 328-339		23

The Effect of Vermiculite Loaded with MnO2 on Adsorption of Heavy Metal Pb(II) in Wastewater. **2018**, 309-316

1320	Leaf aging effects on copper and cadmium transfer along the lettuce-snail food chain. 2018 , 211, 81-88		3
1319	Assessment of Potentially Toxic Elements Pollution and Human Health Risk in Soil of Ilesha Gold Mining Site, Southwest Nigeria. 2018 , 91, 743-748		6
1318	Multiple-life-stage probabilistic risk assessment for the exposure of Chinese population to PBDEs and risk managements. <i>Science of the Total Environment</i> , 2018 , 643, 1178-1190).2	11
1317	Arsenic, selenium, boron, lead, cadmium, copper, and zinc in naturally contaminated rocks: A review of their sources, modes of enrichment, mechanisms of release, and mitigation strategies. <i>Science of the Total Environment</i> , 2018 , 645, 1522-1553).2	191
1316	Adsorption Behavior of Selective Recognition Functionalized Biochar to Cd(II) in Wastewater. 2018 , 11,		36
1315	Risk Assessment of Potentially Toxic Elements (PTEs) Pollution at a Rural Industrial Wasteland in an Abandoned Metallurgy Factory in North China. 2018 , 15,		27
1314	A Review of Environmental Contamination and Health Risk Assessment of Wastewater Use for Crop Irrigation with a Focus on Low and High-Income Countries. 2018 , 15,		140
1313	Multi-Target Risk Assessment of Potentially Toxic Elements in Farmland Soil Based on the Environment-Ecological-Health Effect. 2018 , 15,		6
1312	Heterogeneous Lead Phosphate Nucleation at Organic Water Interfaces: Implications for Lead Immobilization. 2018 , 2, 869-877		10
1311	Mineralogical and environmental features of the asturian copper mining district (Spain): A review. 2018 , 243, 206-217		12
1310	Efficient removal of lead from aqueous solution by urea-functionalized magnetic biochar: Preparation, characterization and mechanism study. 2018 , 91, 457-467		47
1309	Spatial distribution of metal pollution of soils of Chinese provincial capital cities. <i>Science of the Total Environment</i> , 2018 , 643, 1502-1513).2	40
1308	Comparison of phytotoxic effects of bio-synthesised copper oxide nanoparticle and ionic copper on Elodea canadensis. 2018 , 34, 839-853		9
1307	Fast Detection of Copper Content in Rice by Laser-Induced Breakdown Spectroscopy with Uni- and Multivariate Analysis. 2018 , 18,		29
1306	Assessment of Geohazards and Preventative Countermeasures Using AHP Incorporated with GIS in Lanzhou, China. 2018 , 10, 304		79
1305	Effective Removal of Lead Ions from Aqueous Solution Using Nano Illite/Smectite Clay: Isotherm, Kinetic, and Thermodynamic Modeling of Adsorption. 2018 , 10, 210		24
1304	Ecological and human health risk assessments in the context of soil heavy metal pollution in a typical industrial area of Shanghai, China. 2018 , 25, 27090-27105		33

1303	Performance comparison of macromolecular assisted and immobilized low pressure membranes in the removal of toxic metals. 2018 , 5, 085504	4
1302	Biomass burning contributed most to the human cancer risk exposed to the soil-bound PAHs from Chengdu Economic Region, western China. 2018 , 159, 63-70	36
1301	Degraded Soils. 2018 , 409-456	
1300	Improved determination of salicylaldoxime in water samples by liquid-liquid extraction followed by high performance liquid chromatographic analysis. 2018 , 25, 701-708	1
1299	A modified receptor model for source apportionment of heavy metal pollution in soil. 2018 , 354, 161-169	102
1298	Incorporating Bioaccessibility into Human Health Risk Assessment of Heavy Metals in Rice (Oryza sativa L.): A Probabilistic-Based Analysis. 2018 , 66, 5683-5690	32
1297	The acclimatization strategies of kidney vetch (Anthyllis vulneraria L.) to Pb toxicity. 2018 , 25, 19739-19752	19
1296	Coupling heavy metal resistance and oxygen flexibility for bioremoval of copper ions by newly isolated Citrobacter freundii JPG1. 2018 , 226, 194-200	15
1295	Quantitative contributions of the major sources of heavy metals in soils to ecosystem and human health risks: A case study of Yulin, China. 2018 , 164, 261-269	90
1294	Combining Path Analysis and X-Ray Absorption Spectroscopy to Unravel the Zn Sorption Mechanism on Soils. 2018 , 82, 796-802	2
1293	Historical trends and assessment of radionuclides and heavy metals in sediments near an abandoned mine, Lavrio, Greece. 2018 , 25, 30084-30100	8
1292	Migration and fate of metallic elements in a waste mud impoundment and affected river downstream: A case study in Dabaoshan Mine, South China. 2018 , 164, 474-483	27
1291	Spatial distribution of topsoil magnetic susceptibility in Sawahlunto City, West Sumatera. 2018 , 997, 012015	
1290	Cd and Pb accumulation characteristics of phytostabilizer Athyrium wardii (Hook.) grown in soils contaminated with Cd and Pb. 2018 , 25, 29026-29037	6
1289	Analysis of Historical Sources of Heavy Metals in Lake Taihu Based on the Positive Matrix Factorization Model. 2018 , 15,	15
1288	Effects of combined exposure to perfluoroalkyl acids and heavy metals on bioaccumulation and subcellular distribution in earthworms (Eisenia fetida) from co-contaminated soil. 2018 , 25, 29335-29344	4
1287	Aspects of Co-tolerance Towards Salt and Heavy Metal Stresses in Halophytic Plant Species. 2018 , 477-498	
1286	Arbuscular mycorrhizal fungi enhance antioxidant defense in the leaves and the retention of heavy metals in the roots of maize. 2018 , 25, 24338-24347	42

1285	A review of soil heavy metal pollution from industrial and agricultural regions in China: Pollution and risk assessment. <i>Science of the Total Environment</i> , 2018 , 642, 690-700	10.2	618	
1284	Classical theory and electron-scale view of exceptional Cd(II) adsorption onto mesoporous cellulose biochar via experimental analysis coupled with DFT calculations. 2018 , 350, 1000-1009		75	
1283	Pollution characteristics and health risk assessment of heavy metals in the vegetable bases of northwest China. <i>Science of the Total Environment</i> , 2018 , 642, 864-878	10.2	103	
1282	Heavy Metal Pollution and Ecological Risk Assessment of the Agriculture Soil in Xunyang Mining Area, Shaanxi Province, Northwestern China. 2018 , 101, 178-184		35	
1281	Phytoavailability, bioaccumulation, and human health risks of metal(loid) elements in an agroecosystem near a lead-zinc mine. 2018 , 25, 24111-24124		5	
1280	Antagonistic, synergistic and non-interactive competitive sorption of sulfamethoxazole-trimethoprim and sulfamethoxazole-cadmium (ii) on a hybrid clay nanosorbent. <i>Science of the Total Environment</i> , 2018 , 640-641, 1241-1250	10.2	14	
1279	Multivariate analysis of the effects of age, particle size and landfill depth on heavy metals pollution content of closed and active landfill precursors. 2018 , 78, 227-237		36	
1278	Health risks of exposure to air pollutants among students in schools in the vicinities of coal mines. 2019 , 37, 1638-1656		6	
1277	Quantitative source identification and risk assessment of trace elements in soils from Leizhou Peninsula, South China. 2019 , 25, 1832-1852		6	
1276	Effects of metal and metalloid pollutants on the microbiota composition of feces obtained from twelve commercial pig farms across China. <i>Science of the Total Environment</i> , 2019 , 647, 577-586	10.2	12	
1275	Assessment of heavy metals pollution of soybean grains in North Anhui of China. <i>Science of the Total Environment</i> , 2019 , 646, 914-922	10.2	30	
1274	Contamination of the Potable Water Supply in the LeadZinc Mining Communities of Enyigba, Southeastern Nigeria. 2019 , 38, 148-157		17	
1273	Effect of treated wastewater irrigation in East Central region of Tunisia (Monastir governorate) on the biochemical and transcriptomic response of earthworms Eisenia andrei. <i>Science of the Total Environment</i> , 2019 , 647, 1245-1255	10.2	15	
1272	High Doses of Copper and Mercury Changed Cecal Microbiota in Female Mice. 2019 , 189, 134-144		27	
1271	Source apportionment of soil PAHs and human health exposure risks quantification from sources: the Yulin National Energy and Chemical Industry Base, China as case study. 2019 , 41, 617-632		15	
1270	Distribution and health risk assessment of heavy metals in soil surrounding a lead and zinc smelting plant in Zanjan, Iran. 2019 , 25, 1018-1033		25	
1269	Toxic metals in agricultural soils near the industrial areas of Bangladesh: ecological and human health risk assessment. 2019 , 1-20		31	
1268	Species-specific effects of arsenic on the soil collembolan gut microbiota. 2019 , 183, 109538		3	

1267	Assessment of trends and emission sources of heavy metals from the soil sediments near the Bohai Bay. 2019 , 26, 29095-29109	7
1266	Potential of Punica granatum biochar to adsorb Cu(II) in soil. 2019 , 9, 11116	17
1265	Heavy metal pollution and ecological risk assessment of water-based drill cuttings produced in shale gas exploitation in Chongqing, China. 2019 , 227, 062005	3
1264	Assessing heavy metal pollution in paddy soil from coal mining area, Anhui, China. 2019 , 191, 518	17
1263	Topsoil pollution in highway medians in the State of SB Paulo (Brazil): determination of potentially toxic elements using synchrotron radiation total reflection X-ray fluorescence. 2019 , 26, 20839-20852	10
1262	Reduction in Hg phytoavailability in soil using Hg-volatilizing bacteria and biochar and the response of the native bacterial community. 2019 , 12, 1014-1023	9
1261	Assessment of the Pollution Status and Human Health Risk in Soils from an Agricultural Valley in Northwest Mexico. 2019 , 230, 1	5
1260	Soil heavy metal contamination and health risk assessment associated with development zones in Shandong, China. 2019 , 26, 30016-30028	13
1259	S-layer protein-AuNP systems for the colorimetric detection of metal and metalloid ions in water. 2019 , 183, 110284	1
1258	Distribution and ecological risks of heavy metals in river sediments and overlying water in typical mining areas of China. 2019 , 146, 893-899	29
1257	Preparation of magnetic ion imprinted polymer with waste beer yeast as functional monomer for Cd(ii) adsorption and detection 2019 , 9, 23474-23483	7
1256	Polyaspartate and liquid amino acid fertilizer are appropriate alternatives for promoting the phytoextraction of cadmium and lead in Solanum nigrum L. 2019 , 237, 124483	15
1255	Effects of intercropping with Vigna umbellata and Vigna radiata on cadmium accumulation of Cyphomandra betacea seedlings. 2019 , 233, 042018	
1254	Can Land Marketization Help Reduce Industrial Pollution?. 2019 , 16,	6
1253	Electrochemical aptasensor based on Au@HS-rGO and thymine-Hg2+-thymine structure for sensitive detection of mercury ion. 2019 , 848, 113308	15
1252	Effects of environmental governance in mining areas: The trend of arsenic concentration in the environmental media of a typical mining area in 25 years. 2019 , 235, 849-857	14
1251	Ecotoxicity of pore water in soils developed on historical arsenic mine dumps: The effects of forest litter. 2019 , 181, 202-213	12
1250	Pollution Assessment and Source Apportionment of Trace Metals in Urban Topsoil of Xi'an City in Northwest China. 2019 , 77, 575-586	25

1249	Potentially harmful elements and their health implications in cultivable soils and food crops around lead-zinc mines in Ishiagu, Southeastern Nigeria. 2019 , 204, 289-296	20
1248	Human health risk from consumption of two common crops grown in polluted soils. <i>Science of the Total Environment</i> , 2019 , 691, 195-204	16
1247	Exploring the Role of Mycorrhizae as Soil Ecosystem Engineer. 2019 , 73-93	4
1246	Eight Elements in Soils from a Typical Light Industrial City, China: Spatial Distribution, Ecological Assessment, and the Source Apportionment. 2019 , 16,	5
1245	Anthropogenic cadmium cycles and emissions in Mainland China 1990\(\mathbb{\textit{0}}\)015. 2019 , 230, 1256-1265	9
1244	Soil biota, antimicrobial resistance and planetary health. 2019 , 131, 105059	86
1243	Sulfurized biochar prepared by simplified technic with superior adsorption property towards aqueous Hg(II) and adsorption mechanisms. 2019 , 238, 121919	33
1242	Synthesis of 3D hierarchically porous carbon@Bi-BiOCl nanocomposites via in situ generated NaCl crystals as templates for highly sensitive detection of Pb2+ and Cd2+. 2019 , 318, 460-470	12
1241	Impacts of artisanal gold mining on soil, water and plant contamination by trace elements at Komabangou, Western Niger. 2019 , 205, 106328	10
1240	Desorption of calcium-rich crayfish shell biochar for the removal of lead from aqueous solutions. 2019 , 554, 417-423	26
1239	Alkaline Mineral Soil Amendment: A Climate Change Btabilization Wedgell 2019, 12, 2299	16
1238	Cancer risk assessment of soils contaminated by polycyclic aromatic hydrocarbons in Shanxi, China. 2019 , 182, 109381	18
1237	Highly effective immobilization of Pb and Cd in severely contaminated soils by environment-compatible, mercapto-functionalized reactive nanosilica. 2019 , 235, 583-589	31
1236	Effects of Plant Growth-Promoting Bacteria (PGPB) Inoculation on the Growth, Antioxidant Activity, Cu Uptake, and Bacterial Community Structure of Rape (L.) Grown in Cu-Contaminated Agricultural Soil. 2019 , 10, 1455	51
1235	Immobilization of elemental mercury in non-ferrous metal smelting gas using ZnSe1⊠Sx nanoparticles. 2019 , 254, 115641	29
1234	Soil elemental concentrations, geoaccumulation index, non-carcinogenic and carcinogenic risks in functional areas of an informal e-waste recycling area in Accra, Ghana. 2019 , 235, 908-917	32
1233	Redox Mechanisms and Plant Tolerance Under Heavy Metal Stress: Genes and Regulatory Networks. 2019 , 71-105	2
1232	Contamination and health risk assessment of heavy metals in soil surrounding an electroplating factory in Jiaxing, China. 2019 , 310, 052026	2

1231	An integrated analysis on source-exposure risk of heavy metals in agricultural soils near intense electronic waste recycling activities. 2019 , 133, 105239	51
1230	Hydrogeochemistry and quality of surface water and groundwater in the drinking water source area of an urbanizing region. 2019 , 186, 109628	26
1229	Rhizobia population was favoured during in situ phytoremediation of vanadium-titanium magnetite mine tailings dam using Pongamia pinnata. 2019 , 255, 113167	20
1228	Immobilization of mercury and arsenic in a mine tailing from a typical Carlin-type gold mining site in southwestern part of China. 2019 , 240, 118171	11
1227	Spatial Distribution and Health Risk Assessment of Potentially Toxic Elements in Surface Soils of Bosten Lake Basin, Central Asia. 2019 , 16,	7
1226	Potential Ecological Risk and Health Risk Assessment of Heavy Metals and Metalloid in Soil around Xunyang Mining Areas. 2019 , 11, 4828	13
1225	Open mining pits and heaps of waste material as the source of undesirable substances: biomonitoring of air and soil pollution in former mining area (Dubnik, Slovakia). 2019 , 26, 35227-35239	10
1224	Technology-Driven Transition in Urban Food Production Practices: A Case Study of Shanghai. 2019 , 11, 6070	13
1223	How Serratia marcescens HB-4 absorbs cadmium and its implication on phytoremediation. 2019 , 185, 109723	7
1222	Occurrence, Distribution and Risk Assessment of Mercury in Multimedia of Soil-Dust-Plants in Shanghai, China. 2019 , 16,	6
1221	Heavy metals occurrence, assessment and distribution in water resources of the leaddinc mining areas of Abakaliki, Southeastern Nigeria. 2019 , 16, 8617-8638	6
1220	Ecological and human health risk assessment of heavy metal contamination in road dust in the National Capital Territory (NCT) of Delhi, India. 2019 , 26, 30413-30425	43
1219	Circular economy. 2019 , 37-68	8
1218	Cr(III) Adsorption by Cluster Formation on Boehmite Nanoplates in Highly Alkaline Solution. 2019 , 53, 11043-11055	27
1217	Study on arbor leaf and ring as a potential biological indicator for atmospheric polybrominated diphenyl ethers (PBDEs) distribution at e-wastes recycling sites. 2019 , 16, 8639-8652	2
1216	Decadal changes and ecological risk assessment of trace and heavy metal elements in soils of a desert oasis, Linze County, China. 2019 , 57, 178	2
1215	Factors that influence the spatial distribution of heavy metals in soil of the Yutian County, Xinjiang, China. 2019 , 98, 06002	
1214	Leaching of heavy metals from abandoned mine tailings brought by precipitation and the associated environmental impact. <i>Science of the Total Environment</i> , 2019 , 695, 133893	50

1213	Effect of soil pH and organic matter content on heavy metals availability in maize (Zea mays L.) rhizospheric soil of non-ferrous metals smelting area. 2019 , 191, 634		29
1212	Chelator complexes enhanced Amaranthus hypochondriacus L. phytoremediation efficiency in Cd-contaminated soils. 2019 , 237, 124480		32
1211	Phase-Mediated Heavy Metal Adsorption from Aqueous Solutions Using Two-Dimensional Layered MoS. 2019 , 11, 38789-38797		39
1210	Geo-ecological evaluation of mineral, major and trace elemental composition in waste rocks, soils and sediments of a gold mining area and potential associated risks. 2019 , 183, 104229		17
1209	Source apportionment of heavy metal and their health risks in soil-dustfall-plant system nearby a typical non-ferrous metal mining area of Tongling, Eastern China. 2019 , 254, 113089		55
1208	Distribution, ecological risk assessment and source identification of heavy metals in surface sediments of Huixian karst wetland, China. 2019 , 185, 109700		47
1207	Hazardous heavy metals contamination of vegetables and food chain: Role of sustainable remediation approaches - A review. 2019 , 179, 108792		128
1206	Soil contamination in China: Current priorities, defining background levels and standards for heavy metals. 2019 , 251, 109512		44
1205	Growth Responses and Accumulation Characteristics of Three Ornamentals Under Copper and Lead Contamination in a Hydroponic-Culture Experiment. 2019 , 103, 854-859		9
1204	Coagulation removal of Sb(V) from textile wastewater matrix with enhanced strategy: Comparison study and mechanism analysis. 2019 , 237, 124494		21
1203	3D-printed highly porous and reusable chitosan monoliths for Cu(II) removal. 2019 , 54, 6728-6741		24
1202	Field experiment on the effects of sepiolite and biochar on the remediation of Cd- and Pb-polluted farmlands around a Pb-Zn mine in Yunnan Province, China. 2019 , 26, 7743-7751		32
1201	Evaluation of particulate matter deposition in the human respiratory tract during winter in Nanjing using size and chemically resolved ambient measurements. 2019 , 12, 529-538		14
1200	Metal (loid)s pollution characteristics and ecotoxicity evaluation in soil nearby a silver smelting yard. 2019 , 78, 1		1
1199	Distribution of Cd and Cu Fractions in Chinese Soils and Their Relationships with Soil pH: A Meta-Analysis. 2019 , 11, 337		9
1198	Lead contamination in Chinese surface soils: Source identification, spatial-temporal distribution and associated health risks. 2019 , 49, 1386-1423		61
1197	An explanation of soil amendments to reduce cadmium phytoavailability and transfer to food chain. Science of the Total Environment, 2019 , 660, 80-96	.2	149
1196	Activity of the soil enzymes and moss and lichen biomonitoring method used for the evaluation of soil and air pollution from tailing pond in NiBl\$lan[[Slovakia]]. 2019, 54, 485-497		7

1195	Spatiotemporal variation of soil heavy metals in farmland influenced by human activities in the Poyang Lake region, China. 2019 , 176, 279-288	11
1194	A novel magnetic biochar/MgFe-layered double hydroxides composite removing Pb2+ from aqueous solution: Isotherms, kinetics and thermodynamics. 2019 , 567, 278-287	70
1193	Health risk assessment of potentially harmful elements in subsidence water bodies using a Monte Carlo approach: An example from the Huainan coal mining area, China. 2019 , 171, 737-745	38
1192	Effect of root exudates of intercropping Vicia faba and Arabis alpina on accumulation and sub-cellular distribution of lead and cadmium. 2019 , 21, 4-13	18
1191	History metal (Pb, Zn, and Cu) deposition and Pb isotope variability in multiple peatland sites in the northern Great Hinggan Mountains, Northeast China. 2019 , 26, 21784-21796	4
1190	Polyethyleneimine modified activated carbon for adsorption of Cd(II) in aqueous solution. 2019 , 7, 103183	37
1189	Random forest-based estimation of heavy metal concentration in agricultural soils with hyperspectral sensor data. 2019 , 191, 446	32
1188	Assessment of health risks associated with potentially toxic element contamination of soil by end-of-life ship dismantling in Bangladesh. 2019 , 26, 24162-24175	7
1187	Distribution and risk assessment of trace metals in multifarious matrices of Vembanad Lake system, Peninsular India. 2019 , 145, 490-498	7
1186	Hyperspectral indirect inversion of heavy-metal copper in reclaimed soil of iron ore area. 2019 , 222, 117191	21
1185	Assessment of potentially toxic elements contamination in surface soils of Kulsi River Basin in North East India. 2019 , 1, 1	3
1184	Effects of crop straw and its derived biochar on the mobility and bioavailability in Cd and Zn in two smelter-contaminated alkaline soils. 2019 , 181, 155-163	41
1183	Ecotoxicological Effects of Heavy Metal Pollution on Economically Important Terrestrial Insects. 2019 , 137-144	3
1182	Remediation of heavy metal contaminated soils by biochar: Mechanisms, potential risks and applications in China. 2019 , 252, 846-855	226
1181	Effects of simulated Cd deposition on soil Cd availability, microbial response, and crop Cd uptake in the passivation-remediation process of Cd-contaminated purple soil. <i>Science of the Total</i> 10.2 <i>Environment</i> , 2019 , 683, 782-792	25
1180	Multiple exposure pathways and health risk assessment of heavy metal(loid)s for children living in fourth-tier cities in Hubei Province. 2019 , 129, 517-524	37
1179	Remediation of heavy metal contaminated soil by asymmetrical alternating current electrochemistry. 2019 , 10, 2440	85
1178	Potential effects of exploiting the Yunfu pyrite mine (southern China) on soil: evidence from analyzing trace elements in surface soil. 2019 , 191, 395	6

1177	Assessment of heavy metal pollution from anthropogenic activities and remediation strategies: A review. 2019 , 246, 101-118	282
1176	Contamination assessment, source apportionment and health risk assessment of heavy metals in paddy soils of Jiulong River Basin, Southeast China 2019 , 9, 14736-14744	23
1175	The inhibitory effect of cadmium and/or mercury on soil enzyme activity, basal respiration, and microbial community structure in coal mineliffected agricultural soil. 2019 , 69, 849-859	22
1174	Using sequential extraction and DGT techniques to assess the efficacy of plant- and manure-derived hydrochar and pyrochar for alleviating the bioavailability of Cd in soils. <i>Science of the Total Environment</i> , 2019 , 678, 543-550	20
1173	Spatial Distribution, Pollution Source, and Health Risk Assessment of Heavy Metals in Atmospheric Depositions: A Case Study from the Sustainable City of Shijiazhuang, China. 2019 , 10, 222	15
1172	Toxicity of enrofloxacin and cadmium alone and in combination to enzymatic activities and microbial community structure in soil. 2019 , 41, 2593-2606	11
1171	Effect mechanism of biochar's zeta potential on farmland soil's cadmium immobilization. 2019 , 26, 19738-197	′4 <u>8</u> 2
1170	A critical prospective analysis of the potential toxicity of trace element regulation limits in soils worldwide: Are they protective concerning health risk assessment? - A review. 2019 , 127, 819-847	160
1169	Preparation of mesoporous silica/carbon quantum dots composite and its application in selective and sensitive Hg2+ detection. 2019 , 284, 378-384	24
1168	Pollution characteristics, sources, and health risk assessment of human exposure to Cu, Zn, Cd and Pb pollution in urban street dust across China between 2009 and 2018. 2019 , 128, 430-437	142
1167	Impact of industrial activities on heavy metal contamination in soils in three major urban agglomerations of China. 2019 , 230, 1-10	57
1166	Status of cadmium accumulation in agricultural soils across China (1975-2016): From temporal and spatial variations to risk assessment. 2019 , 230, 136-143	69
1165	Comparison of the feasibility of different washing solutions for combined soil washing and phytoremediation for the detoxification of cadmium (Cd) and zinc (Zn) in contaminated soil. 2019 , 230, 510-518	53
1164	Long-term As contamination alters soil enzyme functional stability in response to additional heat disturbance. 2019 , 229, 471-480	11
1163	Heavy metal toxicity: An update of chelating therapeutic strategies. 2019 , 54, 226-231	153
1162	Status of lead accumulation in agricultural soils across China (1979-2016). 2019 , 129, 35-41	55
1161	Bioaccumulation and human health implications of essential and toxic metals in freshwater products of Northeast China. <i>Science of the Total Environment</i> , 2019 , 673, 768-776	21
1160	The Economic-Environmental Impacts of China® Action Plan for Soil Pollution Control. 2019 , 11, 2322	3

1159	Effects of arbuscular mycorrhizal fungi on the growth and heavy metal accumulation of bermudagrass [(L.) Pers.] grown in a lead-zinc mine wasteland. 2019 , 21, 849-856		20
1158	Effects of Organic and Inorganic Passivators on the Immobilization of Cadmium in Contaminated Soils: A Review. 2019 , 36, 986-998		18
1157	Geographical variation in arsenic, cadmium, and lead of soils and rice in the major rice producing regions of China. <i>Science of the Total Environment</i> , 2019 , 677, 373-381	10.2	51
1156	Genotoxicity risk assessment in fish (Rutilus rutilus) from two contaminated rivers in the Kosovo. <i>Science of the Total Environment</i> , 2019 , 676, 429-435	10.2	3
1155	Encapsulation of heavy metals by a nanoporous complex oxide 12CaO []7Al2O3. 2019 , 125, 165103		6
1154	Removal of heavy metals from water sources in the developing world using low-cost materials: A review. 2019 , 229, 142-159		315
1153	Health risk assessment based on the contents of potentially toxic elements in urban soils of Darkhan, Mongolia. 2019 , 242, 279-289		20
1152	Status assessment and probabilistic health risk modeling of metals accumulation in agriculture soils across China: A synthesis. 2019 , 128, 165-174		87
1151	CoreBhell polypyrrole/Fe3O4 nanocomposite as sorbent for magnetic dispersive solid-phase extraction of Al+3 ions from solutions: investigation of the operational parameters. 2019 , 29, 100795		44
1150	Controllable synthesis uniform spherical bacterial cellulose and their potential applications. 2019 , 26, 8325-8336		1
1149	Bioaccumulation and Health Risk Assessment of Heavy Metals in the Soil-Rice System in a Typical Seleniferous Area in Central China. 2019 , 38, 1577-1584		25
1148	Mycorrhizal and non-mycorrhizal Medicago truncatula roots exhibit differentially regulated NADPH oxidase and antioxidant response under Pb stress. 2019 , 164, 10-19		21
1147	Preparation and Modification of Biochar Materials and their Application in Soil Remediation. 2019 , 9, 1365		98
1146	Evaluation of variation in essential nutrients and hazardous materials in spinach (Spinacia oleracea L.) genotypes grown on contaminated soil for human consumption. 2019 , 79, 95-106		13
1145	Biomonitoring trace element contamination impacted by atmospheric deposition in China's remote mountains. 2019 , 224, 30-41		11
1144	Apportionment of sources of heavy metals to agricultural soils using isotope fingerprints and multivariate statistical analyses. 2019 , 249, 208-216		52
1143	Water incubation-induced fluctuating release of heavy metals in two smelter-contaminated soils. 2019 , 82, 14-23		10
1142	Room-temperature synthesis of fluorescent carbon-based nanoparticles and their application in multidimensional sensing. 2019 , 288, 749-756		19

1141	Micronutrient and heavy metal concentrations in basil plant cultivated on irradiated and non-irradiated sewage sludge- treated soil and evaluation of human health risk. 2019 , 104, 141-150	18
1140	Human health damages related to air pollution in China. 2019 , 26, 13115-13125	57
1139	Effects of copper mining on heavy metal contamination in a rice agrosystem in the Xiaojiang River Basin, southwest China. 2019 , 38, 753-773	17
1138	Heavy metal contamination assessment of groundwater quality: a case study of Oti landfill site, Kumasi. 2019 , 9, 1	61
1137	The impact of urban pollution on metal contamination of selected forest pockets in Cape Town, South Africa. 2019 , 26, 12537-12549	3
1136	Distribution of potentially harmful elements in soils around a large coal-fired power plant. 2019 , 41, 2131-2143	10
1135	Copper, Cu. 2019 , 125-161	2
1134	Assessment of heavy metal (HM) contamination in agricultural soil lands in northern Telangana, India: an approach of spatial distribution and multivariate statistical analysis. 2019 , 191, 246	63
1133	Effects of NTA on Pb phytostabilization efficiency of Athyrium wardii (Hook.) grown in a Pb-contaminated soil. 2019 , 19, 3576-3584	8
1132	Spatial heterogeneity and driving forces of environmental productivity growth in China: Would it help to switch pollutant discharge fees to environmental taxes?. 2019 , 223, 36-44	39
1131	A scientometric review of biochar research in the past 20 years (1998🛭 018). 2019 , 1, 23-43	96
1130	Bacterial community response to cadmium contamination of agricultural paddy soil. 2019 , 139, 100-106	40
1129	Metals Pollution and Ecological Risk Assessment of Sediments in the Poyang Lake, China. 2019 , 102, 511-518	8
1128	Old and New Threats-Trace Metals and Fluoride Contamination in Soils at Defunct Smithy Sites. 2019 , 16,	5
1127	Assessment of heavy metal pollution, distribution and quantitative source apportionment in surface sediments along a partially mixed estuary (Modaomen, China). 2019 , 225, 829-838	43
1126	Analysis of Heavy Metals in Foodstuffs and an Assessment of the Health Risks to the General Public via Consumption in Beijing, China. 2019 , 16,	33
1125	Simulating the sustainable effect of green mining construction policies on coal mining industry of China. 2019 , 226, 392-406	24
1124	Monitoring the Activated Sludge Activities Affected by Industrial Toxins via an Early-Warning System Based on the Relative Oxygen Uptake Rate (ROUR) Index. 2019 , 9, 154	2

1123	Investigation of mineralogical and bacteria diversity in Nanxi River affected by acid mine drainage from the closed coal mine: Implications for characterizing natural attenuation process. 2019 , 217, 263-270	4
1122	Combined application of arbuscular mycorrhizal fungi and steel slag improves plant growth and reduces Cd, Pb accumulation in. 2019 , 21, 857-865	20
1121	Mass Spectrometry for Investigating the Effects of Toxic Metals on Nucleic Acid Modifications. 2019 , 32, 808-819	18
1120	Bioremediation of Hg-contaminated soil by combining a novel Hg-volatilizing Lecythophora sp. fungus, DC-F1, with biochar: Performance and the response of soil fungal community. <i>Science of the Total Environment</i> , 2019 , 671, 676-684	24
1119	Anthropogenically disturbed potentially toxic elements in roadside topsoils of a suburban region of Bishkek, Central Asia. 2019 , 35, 283-292	7
1118	Ecological and health risks of heavy metal on farmland soils of mining areas around Tongling City, Anhui, China. 2019 , 26, 15698-15709	17
1117	A transcriptomic (RNA-seq) analysis of genes responsive to both cadmium and arsenic stress in rice root. <i>Science of the Total Environment</i> , 2019 , 666, 445-460	33
1116	A multi-functional-group modified cellulose for enhanced heavy metal cadmium adsorption: Performance and quantum chemical mechanism. 2019 , 224, 509-518	66
1115	Highly-effective removal of Pb by co-pyrolysis biochar derived from rape straw and orthophosphate. 2019 , 371, 191-197	66
1114	Environmental impact assessment of phosphate fertilizers and phosphogypsum waste: Elemental and radiological effects. 2019 , 146, 789-797	32
1113	Assessment of foliar dust using Hyperion and Landsat satellite imagery for mine environmental monitoring in an open cast iron ore mining areas. 2019 , 218, 993-1006	24
1112	Association Study Reveals Genetic Loci Responsible for Arsenic, Cadmium and Lead Accumulation in Rice Grain in Contaminated Farmlands. 2019 , 10, 61	18
1111	Preparation of a novel nano-FeO/triethanolamine/GO composites to enhance Pb/Cu ions removal. 2019 , 26, 10174-10187	7
1110	Assessment of heavy metal pollution in water and surface sediment and evaluation of ecological risks associated with sediment contamination in the Ganga River: a basin-scale study. 2019 , 26, 10926-10940	58
1109	Design and engineering heterojunctions for the photoelectrochemical monitoring of environmental pollutants: A review. 2019 , 248, 405-422	85
1108	Accumulation, ecological-health risks assessment, and source apportionment of heavy metals in paddy soils: A case study in Hanzhong, Shaanxi, China. 2019 , 248, 349-357	101
1107	Role of compost biochar amendment on the (im)mobilization of cadmium and zinc for Chinese cabbage (Brassica rapa L.) from contaminated soil. 2019 , 19, 3883-3897	14
1106	Heavy metals in food crops: Health risks, fate, mechanisms, and management. 2019 , 125, 365-385	553

1105	Remediation of Cd- and Pb- contaminated clay soils through combined freeze-thaw and soil washing. 2019 , 369, 87-95	34
1104	Mercury accumulation and biotransportation in wetland biota affected by gold mining. 2019 , 191, 186	11
1103	The impact of nanoparticles zero-valent iron (nZVI) and rhizosphere microorganisms on the phytoremediation ability of white willow and its response. 2019 , 26, 10776-10789	40
1102	Progress in rapid optical assays for heavy metal ions based on the use of nanoparticles and receptor molecules. 2019 , 186, 172	40
1101	Simultaneous bioprecipitation of cadmium to cadmium sulfide nanoparticles and nitrogen fixation by Rhodopseudomonas palustris TN110. 2019 , 223, 455-464	23
1100	Characteristics of Arsenic Leached from Sediments: Agricultural Implications of Abandoned Mines. 2019 , 9, 4628	2
1099	Monitoring Mining Disturbance and Restoration over RBM Site in South Africa Using LandTrendr Algorithm and Landsat Data. 2019 , 11, 6916	13
1098	Effects of Mixing Hyperaccumulated Straw and Phosphate Rock Powder on Cd Content in Chinese Cabbage. 2019 , 131, 01111	
1097	Fabrication & Characterization of Simple Structure Self-Assembled Graphene Oxide Based Heavy Metal Ion Sensor. 2019 , 1-10	1
1096	Natural attenuation of antimony and arsenic in soils at the abandoned Sb-deposit Popro∏Slovakia. 2019 , 78, 1	12
1095	Predicting spatial and temporal variation of Cd concentration in rice grains in the Lower Changjiang Plain during 2004 014 based on soil geochemical survey data with GIS. 2019 , 200, 276-283	8
1094	Ecological and human health risk assessment of toxic metals in street dusts and surface soils in Ahvaz, Iran. 2019 , 41, 875-891	40
1093	Impact of intensive mining on the distribution of heavy metals in water and sediment of Anning River, southwest China. 2019 , 19, 24-30	2
1092	Use of spatial statistics to identify hotspots of lead and copper in selected soils from north of Khuzestan Province, southwestern Iran. 2019 , 65, 654-669	1
1091	Effectiveness of ecotoxicological tests in relation to physicochemical properties of Zn and Cu polluted Mediterranean soils. 2019 , 338, 259-268	12
1090	Assessment of chemical fractionations and mobilization potentials for heavy metals in wastes and other solid matrices in a mining site in the inland Aegean Region in Turkey. 2018 , 191, 25	3
1089	Intensifying effects of zinc oxide wet flue gas desulfurization process with citric acid. 2019, 7, 102831	10
1088	Assessment of Metal Pollution, Its Potential Health Risks, and Origin in Different Land Use Types in Zhuhai City, China. 2019 , 76, 295-307	6

1087	Human health risks of heavy metals in paddy rice based on transfer characteristics of heavy metals from soil to rice. 2019 , 175, 339-348		110
1086	Kriging methods with auxiliary nighttime lights data to detect potentially toxic metals concentrations in soil. <i>Science of the Total Environment</i> , 2019 , 659, 363-371	10.2	9
1085	Health risk assessment of oral bioaccessibility of heavy metal in soil from coalfield in Huaibei City, China. 2019 , 25, 2045-2055		2
1084	A modelling approach to assess the impact of land mining on marine biodiversity: Assessment in coastal catchments experiencing catastrophic events (SW Brazil). <i>Science of the Total Environment</i> , 2019 , 659, 828-840	[0.2	48
1083	Continental-scale geochemical survey of lead (Pb) in mainland China's pedosphere: Concentration, spatial distribution and influences. 2019 , 100, 55-63		15
1082	Polycyclic Aromatic Hydrocarbons (PAHs) Pollution Generated from Coal-Fired Thermal Power Plants: Formation Mechanism, Characterization, and Profiling. 2019 , 73-90		5
1081	RETRACTED: Threats of indicator polychlorinated biphenyls (PCBs) in six molluscs from market to food safety: A case study in Haikou City, China. 2019 , 138, 187-192		2
1080	Zinc, copper, cadmium, and lead levels in cattle tissues in relation to different metal levels in ground water and soil. 2019 , 26, 559-569		6
1079	Mobility of Pb, Zn, Ba, As and Cd toward soil pore water and plants (willow and ryegrass) from a mine soil amended with biochar. 2019 , 232, 117-130		34
1078	Potentially Toxic Metals in Soil and Dominant Plants from Tonglushan Cu-Fe Deposit, Central China. 2019 , 102, 92-97		9
1077	Heavy metal occurrence and risk assessment in dairy feeds and manures from the typical intensive dairy farms in China. 2019 , 26, 6348-6358		29
1076	Effect of phosphate on amorphous iron mineral generation and arsenic behavior in paddy soils. Science of the Total Environment, 2019, 657, 644-656	10.2	24
1075	Dechelation of Cd-EDTA complex and recovery of EDTA from simulated soil-washing solution with sodium sulfide. 2019 , 220, 1200-1207		21
1074	Using nanomaterials to facilitate the phytoremediation of contaminated soil. 2019 , 49, 791-824		58
1073	Spatial distribution and source identification of heavy metals in a typical Pb/Zn smelter in an arid area of northwest China. 2019 , 25, 1661-1687		11
1072	Hyperspectral-based Inversion of Heavy Metal Content in the Soil of Coal Mining Areas. 2019 , 48, 57-63		11
1071	The environmental criticality of primary raw materials 🖪 new methodology to assess global environmental hazard potentials of minerals and metals from mining. 2019 , 32, 91-107		16
1070	The impacts of pollution control measures on PM2.5 reduction: Insights of chemical composition, source variation and health risk. 2019 , 197, 103-117		38

1069	Different exposure profile of heavy metal and health risk between residents near a Pb-Zn mine and a Mn mine in Huayuan county, South China. 2019 , 216, 352-364	39
1068	Current status of agricultural soil pollution by heavy metals in China: A meta-analysis. <i>Science of the Total Environment</i> , 2019 , 651, 3034-3042	187
1067	Assessment of Zn pollution sources and apportionment in agricultural soils impacted by a Zn smelter in South Korea. 2019 , 364, 475-487	43
1066	Antioxidative defense mechanism against lead-induced phytotoxicity in Fagopyrum kashmirianum. 2019 , 216, 595-604	17
1065	Silica oxide encapsulated natural zeolite for high efficiency removal of low concentration heavy metals in water. 2019 , 561, 388-394	31
1064	Source identification of arsenic contamination in agricultural soils surrounding a closed Cu smelter, South Korea. 2019 , 217, 183-194	23
1063	Pollution assessment and health risks evaluation of (metalloid) heavy metals in urban street dust of 58 cities in China. 2019 , 26, 126-140	26
1062	Source Identification of Trace Elements in Peri-urban Soils in Eastern China. 2019 , 11, 195-207	8
1061	Assessing the quality of potentially reclaimed mine soils: Environmental implications for the construction of a nearby water reservoir. 2019 , 216, 19-30	7
1060	Potential exposure to metals and health risks of metal intake from Tieguanyin tea production in Anxi, China. 2019 , 41, 1291-1302	6
1059	Removal of Cr(VI) oxoanion from contaminated water using granular jujube stems as a porous adsorbent. 2019 , 8, 319-323	12
1058	Spatial identification of environmental health hazards potentially associated with adverse birth outcomes. 2019 , 26, 3578-3592	1
1057	Concentrations and chemical fractions of Cu, Zn, Cd, and Pb at ten metallurgical sites in China. 2019 , 26, 3603-3611	13
1056	PlatinumHalloysite Nanoclay Nanojets as Sensitive and Selective Mobile Nanosensors for Mercury Detection. 2019 , 4, 1800502	16
1055	How successful are the restoration efforts of China's lakes and reservoirs?. 2019 , 123, 96-103	82
1054	Characterization of Cu and Cd biosorption by Pseudomonas sp. strain DC-B3 isolated from metal mine soil. 2019 , 16, 4035-4046	12
1053	Biosynthesis of Eyclodextrin modified Schwertmannite and the application in heavy metals adsorption. 2019 , 342, 181-192	26
1052	Trace metal pollution and ecological risk assessment in agricultural soil in Dexing Pb/Zn mining area, China. 2019 , 41, 967-980	37

1051	Potentially toxic elements in saltmarsh sediments and common reed (Phragmites australis) of Burullus coastal lagoon at North Nile Delta, Egypt: A survey and risk assessment. <i>Science of the Total Environment</i> , 2019 , 649, 1237-1249	10.2	39
1050	Effect of moisture condition on the immobilization of Cd in red paddy soil using passivators. 2019 , 40, 2705-2714		9
1049	Health risk assessment and source study of PAHs from roadside soil dust of a heavy mining area in India. 2019 , 74, 252-262		23
1048	Contamination features and health risk of heavy metals in suburban vegetable soils, Yanbian, Northeast China. 2019 , 25, 722-737		1
1047	Heavy metals' contamination in sediments of Wadi Al-Aqiq water reservoir dam at Al-Baha region, KSA: Their identification and assessment. 2019 , 25, 793-818		12
1046	Dynamic influence of S fertilizer on Cu bioavailability in rice (Oryza sativa L.) rhizosphere soil during the whole life cycle of rice plants. 2019 , 19, 198-210		7
1045	Adsorption antagonism and synergy of arsenate(V) and cadmium(II) onto Fe-modified rice straw biochars. 2019 , 41, 1755-1766		12
1044	Speciation and Spatial Distribution of Heavy Metals (cu and Zn) in Wetland Soils of Poyang Lake (China) in Wet Seasons. 2019 , 39, 89-98		9
1043	Risk Assessments of Heavy Metals to Children Following Non-dietary Exposures and Sugarcane Consumption in a Rural Area in Southern China. 2020 , 12, 1-8		3
1042	Sources and risk assessment of toxic elements in the agricultural soil of Tiantai County of Zhejiang province, China. 2020 , 26, 586-607		5
1041	Fates of Heavy Metals in Anaerobically Digesting the Stover of Grain Sorghum Harvested from Heavy Metal-Contaminated Farmland. 2020 , 11, 1239-1250		3
1040	Compost biochar application to contaminated soil reduces the (im)mobilization and phytoavailability of lead and copper. 2020 , 95, 408-417		11
1039	Ecological and health risks of soil and grape heavy metals in long-term fertilized vineyards (Chaharmahal and Bakhtiari province of Iran). 2020 , 42, 27-43		27
1038	Identification of the highest potential human health and environmental hazard in contaminated sediment near the point sources in the northwest Persian Gulf. 2020 , 26, 1016-1041		1
1037	Heavy metals pollution assessment and its associated human health risk evaluation of urban soils from Indian cities: a review. 2020 , 42, 173-190		54
1036	Source analysis and risk assessment of heavy metals in development zones: a case study in Rizhao, China. 2020 , 42, 135-146		11
1035	Occurrence of contaminants in drinking water sources and the potential of biochar for water quality improvement: A review. 2020 , 50, 549-611		67
1034	Potentially toxic elements in urban topsoils and health risk assessment for the mining W-Mo center in the Baikal region. 2020 , 42, 221-240		9

1033	The changing role of diesel oil-gasoil-LPG and hydrogen based fuels in human health risk: A numerical investigation in ferry ship operations. 2020 , 45, 3660-3669	11	
1032	Monte Carlo simulation-based probabilistic health risk assessment of metals in groundwater via ingestion pathway in the mining areas of Singhbhum copper belt, India. 2020 , 30, 447-460	16	
1031	Lead isotopes combined with geochemical and mineralogical analyses for source identification of arsenic in agricultural soils surrounding a zinc smelter. 2020 , 382, 121044	15	
1030	Benefits of arbuscular mycorrhizal fungi in reducing organic contaminant residues in crops: Implications for cleaner agricultural production. 2020 , 50, 1580-1612	14	
1029	The content of four hazardous elements in bayberry (Myrica rubra (Lour.) S. et Zucc.) from Zhejiang Province, China. 2020 , 100, 1094-1100	1	
1028	Spatial distribution and molecular speciation of copper in indigenous plants from contaminated mine sites: Implication for phytostabilization. 2020 , 381, 121208	19	
1027	Key factors shaping the interactions between environment and cities in megalopolis area of north China. 2020 , 109, 105771	9	
1026	Environmental and human health risks from metal exposures nearby a Pb-Zn-Ag mine, China. Science of the Total Environment, 2020 , 698, 134326	24	
1025	Source apportionment and health risk quantification for heavy metal sources in soils near aluminum-plastic manufacturing facilities in northeast China. 2020 , 26, 2225-2244	1	
1024	Role of extracellular polymeric substance (EPS) in toxicity response of soil bacteria Bacillus sp. S3 to multiple heavy metals. 2020 , 43, 153-167	53	
1023	Effects of typical flotation reagent on microbial toxicity and nickel bioavailability in soil. 2020 , 240, 124913	5	
1022	Estimation of some trace metal pollutants in River Atuwara southwestern Nigeria and spatio-temporal human health risks assessment. 2020 , 239, 124770	26	
1021	Exogenous plant growth regulators improved phytoextraction efficiency by Amaranths hypochondriacus L. in cadmium contaminated soil. 2020 , 90, 29-40	19	
1020	Health risk assessment of heavy metals and pesticides: A case study in the main drinking water source in Dalian, China. 2020 , 242, 125113	63	
1019	Application of artificial neural network model for the identification the effect of municipal waste compost and biochar on phytoremediation of contaminated soils. 2020 , 208, 106399	19	
1018	An electron-scale comparative study on the adsorption of six divalent heavy metal cations on MnFe2O4@CAC hybrid: Experimental and DFT investigations. 2020 , 381, 122656	35	
1017	Phytoremediation potential of Cd and Pb-contaminated soils by Willd. ex Flgg[12020, 22, 87-97	14	
1016	Comprehensive comparison of probabilistic health risks of soil heavy metals in Chinal mining areas. 2020 , 26, 2059-2077	2	

1015	Multidimensional pollution and potential ecological and health risk assessments of radionuclides and metals in the surface soils of a uranium mine in East China. 2020 , 20, 775-791	10
1014	Purple non-sulphur bacteria and plant production: benefits for fertilization, stress resistance and the environment. 2020 , 13, 1336-1365	27
1013	Phytoaccumulation of Zn, Pb, and Cd in irrigated with wastewater: does physiological response influence heavy metal uptake?. 2020 , 22, 287-294	7
1012	Health risk assessment of heavy metals (Zn, Cu, Cd, Pb, As and Cr) in wheat grain receiving repeated Zn fertilizers. 2020 , 257, 113581	25
1011	Spa environments in central Serbia: Geothermal potential, radioactivity, heavy metals and PAHs. 2020 , 242, 125171	4
1010	Potential of enhancing the phytoremediation efficiency of L. by earthworms. 2020 , 22, 529-533	3
1009	Identification of the sources and influencing factors of potentially toxic elements accumulation in the soil from a typical karst region in Guangxi, Southwest China. 2020 , 256, 113505	21
1008	Geographic distribution of heavy metals and identification of their sources in soils near large, open-pit coal mines using positive matrix factorization. 2020 , 387, 121666	50
1007	Do metal contamination and plant species affect microbial abundance and bacterial diversity in the rhizosphere of metallophytes growing in mining areas in a semiarid climate?. 2020 , 20, 1003-1017	6
1006	Heavy Metal, Arsenic, and Selenium Concentrations in Bird Feathers from a Region in Southern China Impacted by Intensive Mining of Nonferrous Metals. 2020 , 39, 371-380	9
1005	Long-term adaptive evolution of Shewanella oneidensis MR-1 for establishment of high concentration Cr(VI) tolerance. 2020 , 14, 1	8
1004	Pb dating to investigate the historical variations and identification of different sources of heavy metal pollution in sediments of the Pearl River Estuary, Southern China. 2020 , 150, 110670	23
1003	Mechanism study on manganese(II) removal from acid mine wastewater using red mud and its application to a lab-scale column. 2020 , 253, 119955	19
1002	Remediation of Cd-contaminated soils by GWC application, evaluated in terms of Cd immobilization, enzyme activities, and pakchoi cabbage uptake. 2020 , 27, 9979-9986	9
1001	Assessment of trace metal pollution in roof dusts and soils near a large Zn smelter. <i>Science of the Total Environment</i> , 2020 , 713, 136536	28
1000	Assessment of the environmental impact of sanitary and unsanitary parts of a municipal solid waste landfill. 2020 , 258, 110019	24
999	The pH effect on the detection of heavy metals in wastewater by laser-induced breakdown spectroscopy coupled with a phase transformation method. 2020 , 35, 198-203	14
998	Binding and adsorption energy of Cd in soils and its environmental implication for Cd bioavailability. 2020 , 84, 472-482	3

997	Identification of dissolved metal contamination of major rivers in the southeastern hilly area, China: distribution, source apportionment, and health risk assessment. 2020 , 27, 3908-3922	3
996	Heavy Metal(loids) in typical Chinese tobacco-growing soils: Concentrations, influence factors and potential health risks. 2020 , 245, 125591	19
995	Biochar reduced the uptake of toxic heavy metals and their associated health risk via rice (Oryza sativa L.) grown in Cr-Mn mine contaminated soils. 2020 , 17, 100590	20
994	Mining institutions, contention and credibility: Applying the Conflict Analysis Model to court cases in China. 2020 , 7, 1011-1021	6
993	Behaviors of heavy metal(loid)s in a cocontaminated alkaline paddy soil throughout the growth period of rice. <i>Science of the Total Environment</i> , 2020 , 716, 136204	7
992	Lead bioaccessibility in farming and mining soils: The influence of soil properties, types and human gut microbiota. <i>Science of the Total Environment</i> , 2020 , 708, 135227	17
991	Heavy metal concentrations of soils near the large opencast coal mine pits in China. 2020 , 244, 125360	29
990	Soil amendments for immobilization of potentially toxic elements in contaminated soils: A critical review. 2020 , 134, 105046	352
989	Characteristics of heavy metal concentrations and risk assessment for giant pandas and their habitat in the Qinling Mountains, China. 2020 , 27, 1569-1584	6
988	Leakage behavior of toxic substances of naphthalene sulfonate-formaldehyde condensation from cement based materials. 2020 , 255, 109934	44
987	The utilization of biomineralization technique based on microbial induced phosphate precipitation in remediation of potentially toxic ions contaminated soil: A mini review. 2020 , 191, 110009	17
986	Levels and ecological and health risk assessment of PM-bound heavy metals in the northern part of the Persian Gulf. 2020 , 27, 5305-5313	45
985	Removal of heavy metals in aquatic environment by graphene oxide composites: a review. 2020 , 27, 190-209	32
984	Influence of nitrogen forms and application rates on the phytoextraction of copper by castor bean (Ricinus communis L.). 2020 , 27, 647-656	6
983	Characterizing pollution indices and children health risk assessment of potentially toxic metal(oid)s in school dust of Lahore, Pakistan. 2020 , 190, 110059	36
982	Ecological influences of the migration of micro resin particles from crushed waste printed circuit boards on the dumping soil. 2020 , 386, 121020	6
981	Heavy metal speciation with prediction model for heavy metal mobility and risk assessment in mine-affected soils. 2020 , 27, 3213-3223	13
980	Effect of basic oxygen furnace slag on succession of the bacterial community and immobilization of various metal ions in acidic contaminated mine soil. 2020 , 388, 121784	6

979	Reduced Cd, Pb, and As accumulation in rice (Oryza sativa L.) by a combined amendment of calcium sulfate and ferric oxide. 2020 , 27, 1348-1358	6
978	Enhanced interlayer trapping of Pb(II) ions within kaolinite layers: intercalation, characterization, and sorption studies. 2020 , 27, 1870-1887	17
977	Recycling of Chemical Eluent and Soil Improvement After Leaching. 2020 , 104, 128-133	2
976	Bioinspired functionalization of MXenes (Ti3C2TX) with amino acids for efficient removal of heavy metal ions. 2020 , 504, 144603	77
975	Bioaccumulation of Cadmium Affects Development, Mating Behavior, and Fecundity in the Asian Corn Borer,. 2019 , 11,	10
974	Adsorption of Cr(VI), Pb(II) Ions and Methylene Blue Dye from Aqueous Solution using Pristine and Modified Coral Limestone. 2020 , 32, 2624-2632	3
973	Chromium Pollution: Impact on Plants and its Mitigation. 2020 , 323-340	1
972	Phytoremediation of toxic metals present in soil and water environment: a critical review. 2020 , 27, 44835-44	869
971	Decalcification effect on stabilization/solidification performance of Pb-containing geopolymers. 2020 , 114, 103803	9
970	Cadmium Isotopic Fractionation in the Soil-Plant System during Repeated Phytoextraction with a Cadmium Hyperaccumulating Plant Species. 2020 , 54, 13598-13609	20
969	Assessment of Anthropogenic Sources of Potentially Toxic Elements in Soil from Arable Land Using Multivariate Statistical Analysis and Random Forest Analysis. 2020 , 12, 8538	2
968	Effect of Different Kinds of Zinc (II) on Early Hydration of Calcium Aluminate Cement. 2020 , 35, 925-929	1
967	Spatial distribution, pollution, and health risk assessment of heavy metal in agricultural surface soil for the Guangzhou-Foshan urban zone, South China. 2020 , 15, e0239563	8
966	Spatial distribution, fractions and risk assessment of five heavy metals in the sediments of Jialing River: a tributary of the Yangtze. 2020 , 79, 1	2
965	Using Zn isotopes to trace Zn sources and migration pathways in paddy soils around mining area. 2020 , 267, 115616	12
964	Removal of lead from two polluted soils by magnetic wheat straw biochars. 2020 , 205, 111132	10
963	Analysis of the effect of cadmium stress on root exudates of Sedum plumbizincicola based on metabolomics. 2020 , 205, 111152	20
962	A novel spectral analysis method for distinguishing heavy metal stress of maize due to copper and lead: RDA and EMD-PSD. 2020 , 206, 111211	9

961	Insights into the anthropogenic load and occupational health risk of heavy metals in floor dust of selected workplaces in an industrial city of Iran. <i>Science of the Total Environment</i> , 2020 , 744, 140762	10.2	9
960	Atmospheric diffusion profiles and health risks of typical VOC: Numerical modelling study. 2020 , 275, 122982		17
959	Influence of iron mining activity on heavy metal contamination in the sediments of the Aqyazi River, Iran. 2020 , 192, 521		3
958	Elucidating the differentiation of soil heavy metals under different land uses with geographically weighted regression and self-organizing map. 2020 , 260, 114065		38
957	A magnetic ion exchange resin with high efficiency of removing Cr (VI). 2020 , 604, 125279		21
956	Pollution assessment and health risk evaluation of eight (metalloid) heavy metals in farmland soil of 146 cities in China. 2020 , 42, 3949-3963		13
955	Heavy metal pollution and human health risk assessment for exposure to surface soil of mining area: a comprehensive study. 2020 , 79, 1		9
954	Quantitative assessment on soil concentration of heavy metal-contaminated soil with various sample pretreatment techniques and detection methods. 2020 , 192, 800		5
953	Characterization of Mining-Related Aromatic Contaminants in Active and Abandoned Metal(loid) Tailings Ponds. 2020 , 54, 15097-15107		6
952	Apportionment of some chemical elements in soils around the coal mining area in northern Bangladesh and associated health risk assessment. 2020 , 14, 100366		3
951	Spatio-Temporal Distribution, Ecological Risk Assessment, and Multivariate Analysis of Heavy Metals in Bathinda District, Punjab, India. 2020 , 231, 1		3
950	Surfactants-based remediation as an effective approach for removal of environmental pollutants review. 2020 , 318, 113960		59
949	Transfer processes of potential toxic elements (PTE) between rock-soil systems and soil risk evaluation in the Baoshan area, Yunnan Province, Southwest China. 2020 , 121, 104712		4
948	Pollution characteristics and ecological risk assessment of heavy metals in paddy fields of Fujian province, China. 2020 , 10, 12244		9
947	Zeolite for Potential Toxic Metal Uptake from Contaminated Soil: A Brief Review. 2020 , 8, 820		19
946	Multi-Evolutionary Game Research on Heavy Metal Pollution Control in Soil: Based on a Third-Party Perspective. 2020 , 12, 5306		6
945	Recent investigations and progress in environmental remediation by using covalent organic framework-based adsorption method: A review. 2020 , 277, 123360		43
944	Investigating the relationship between speciation and oral/lung bioaccessibility of a highly contaminated tailing: contribution in health risk assessment. 2020 , 27, 40732-40748		4

943	Leaching characteristics of heavy metals in tailings and their simultaneous immobilization with triethylenetetramine functioned montmorillonite (TETA-Mt) against simulated acid rain. 2020 , 266, 115236	20
942	Novel Magnetic Pomelo Peel Biochar for Enhancing Pb(II) And Cu(II) Adsorption: Performance and Mechanism. 2020 , 231, 1	18
941	Ecological Effects of Heavy Metal Pollution on Soil Microbial Community Structure and Diversity on Both Sides of a River around a Mining Area. 2020 , 17,	8
940	Interactions of cadmium and zinc in high zinc tolerant native species Andropogon gayanus cultivated in hydroponics: growth endpoints, metal bioaccumulation, and ultrastructural analysis. 2020 , 27, 45513-45526	6
939	Level, Source, and Spatial Distribution of Potentially Toxic Elements in Agricultural Soil of Typical Mining Areas in Xiangjiang River Basin, Hunan Province. 2020 , 17,	3
938	Waste rocks and medieval slag as sources of environmental pollution in the area of the Pb-Zn Mine Rudnik (Serbia). 2020 , 218, 106629	2
937	A Collaborative Compound Neural Network Model for Soil Heavy Metal Content Prediction. 2020 , 8, 129497-129509	6
936	Heavy metal contamination and ecological risk assessment of the agricultural soil in Shanxi Province, China. 2020 , 7, 200538	3
935	Preparation and Modification of Activated Carbon Surface and Functions for Environments. 2020, 1	
934	Quantifying ecological and human health risks of heavy metals from different sources in farmland soils within a typical mining and smelting industrial area. 2020 , 1	1
933	Atmospheric deposition of arsenic, cadmium, copper, lead, and zinc near an operating and an abandoned lead smelter. 2020 , 49, 1667-1678	6
932	Mechanisms of electrokinetic technology to remediate different soils contaminated by cadmium. 2020 , 194, 04050	
931	Ecological and human health risk assessment of metals leached from end-of-life solar photovoltaics. 2020 , 267, 115393	18
930	Trace elements in Gobi soils of the northeastern Qinghai-Tibet Plateau. 2020 , 36, 967-981	1
929	Nano-clay as a solid phase microextractor of copper, cadmium and lead for ultra-trace quantification by ICP-MS. 2020 , 12, 4949-4955	8
928	Plasma pyrolysis and gasification of carambola leaves using non-thermal arc plasma. 2020 , 2, 193-207	1
927	Application of risk assessment in determination of soil remediation targets. 2020 , 34, 1659-1673	3
926	Concentration, likely sources, and ecological risk assessment of potentially toxic elements in urban soils of Shiraz City, SW Iran: a preliminary assessment. 2020 , 13, 1	3

925	Soil from an Abandoned Manganese Mining Area (Hunan, China): Significance of Health Risk from Potentially Toxic Element Pollution and Its Spatial Context. 2020 , 17,		8
924	Chitosan Modified Biochar Increases Soybean (L.) Resistance to Salt-Stress by Augmenting Root Morphology, Antioxidant Defense Mechanisms and the Expression of Stress-Responsive Genes. 2020 , 9,		9
923	Unexpected Heavy Metal Pollution in Wetland Soils Along the Yarlung Tsangbo River in Tibet, China: Assessment and Source Apportionment. 2020 , 231, 1		5
922	Assessment of Heavy Metal Contamination and the Probabilistic Risk via Salad Vegetable Consumption in Tabriz, Iran. 2021 , 199, 2779-2787		9
921	Environmentally Degraded Mining Areas of Eastern Slovakia As a Potential Object of Geotourism. 2020 , 12, 6029		O
920	When does environmental corporate social responsibility promote managerial ties in China? The moderating role of industrial power and market hierarchy. 2020 , 26, 642-662		2
919	Application of Geostatistical Analysis and Random Forest for Source Analysis and Human Health Risk Assessment of Potentially Toxic Elements (PTEs) in Arable Land Soil. 2020 , 17,		4
918	Quality of Peri-Urban Soil Developed from Ore-Bearing Carbonates: Heavy Metal Levels and Source Apportionment Assessed Using Pollution Indices. 2020 , 10, 1140		8
917	An arbuscular mycorrhizal fungus increased the macroaggregate proportion and reduced cadmium leaching from polluted soil. 2021 , 23, 684-692		1
916	Effect of slightly cadmium-enriched kenaf straw on the mechanical and thermal properties of cement mortar. 2020 , 1-19		2
915	City Soil Ranking According to the Level of Pollution: Approach Based on the Health Risk Assessment of the Child Population. 2020 , 459, 032018		
914	Distribution Characteristics of Some Heavy Metal Elements in the Polluted Soil in Baiyin Dongdagou. 2020 , 568, 012041		O
913	Pollution and Ecological Risk Evaluation of Heavy Metals in the Soil and Sediment around the HTM Tailings Pond, Northeastern China. 2020 , 17,		7
912	Balanced Xylan Acetylation is the Key Regulator of Plant Growth and Development, and Cell Wall Structure and for Industrial Utilization. 2020 , 21,		6
911	Plant Cadmium Resistance 2 (SaPCR2) Facilitates Cadmium Efflux in the Roots of Hyperaccumulator Hance. 2020 , 11, 568887		9
910	Contamination, Spatial Distribution and Source Analysis of Heavy Metals in Surface Soil of Anhui Chaohu Economic Development Zone, China. 2020 , 12, 8117		1
909	Zinc isotope revealing zinc's sources and transport processes in karst region. <i>Science of the Total Environment</i> , 2020 , 724, 138191	10.2	15
908	Compound health risk assessment of cumulative heavy metal exposure: a case study of a village near a battery factory in Henan Province, China. 2020 , 22, 1408-1422		11

907	Using bioenergy crop cassava () for reclamation of heavily metal-contaminated land. 2020, 22, 1313-1320	4
906	Facing the threat: common yellowjacket wasps as indicators of heavy metal pollution. 2020 , 27, 29031-29042	12
905	Ecological Risk Assessment of Heavy Metals in the Vicinity of Tungsten Mining Areas, Southern Jiangxi Province. 2020 , 29, 665-679	8
904	Distribution, speciation and risk assessment of heavy metals: geochemical exploration of Gulf of Kachchh, Gujarat, India. 2020 , 79, 1	8
903	Concentration, Spatial Distribution, Contamination Degree and Human Health Risk Assessment of Heavy Metals in Urban Soils across China between 2003 and 2019-A Systematic Review. 2020 , 17,	29
902	Antimony-oxidizing bacteria alleviate Sb stress in Arabidopsis by attenuating Sb toxicity and reducing Sb uptake. 2020 , 452, 397-412	9
901	Spatiotemporal patterns of PM elemental composition over China and associated health risks. 2020 , 265, 114910	10
900	Heavy metal concentration in soil and maize (Zea mays L.) in partially reclaimed refuse dumpsite Borrow-pit n Port Harcourt, Nigeria. 2020 , 18, 100745	6
899	Study on Remediation of Cd-Contaminated Soil by Thermally Modified Attapulgite Combined with Ryegrass. 2020 , 29, 680-701	2
898	Is Kragujevac city still a "hot spot" area, twenty years after the bombing?. 2020 , 245, 125610	1
897	Occurrence and distribution of heavy metal in arable soils around leaddinc mining sites of Abakaliki, Southeast Nigeria. 2020 , 6, 1887-1899	4
896	Nonlinear transformation and release of arsenic fractions in soil and its implication for site risk assessment. 2020 , 262, 121304	11
895	24-Epibrassinolide combined with heavy metal resistant bacteria enhancing phytoextraction of Amaranthus hypochondriacus L. in Cd-contaminated soil. 2020 , 399, 123031	12
894	A novel extracellular enzyme stoichiometry method to evaluate soil heavy metal contamination: Evidence derived from microbial metabolic limitation. <i>Science of the Total Environment</i> , 2020 , 738, 139709.2	13
893	Multi-pathway human exposure risk assessment using Bayesian modeling at the historically largest mercury mining district. 2020 , 201, 110833	11
892	Humic-like acids from hydrochars: Study of the metal complexation properties compared with humic acids from anthropogenic soils using PARAFAC and time-resolved fluorescence. <i>Science of the Total Environment</i> , 2020 , 722, 137815	21
891	Health risk assessment of heavy metals in Ahvaz oilfield using environmental indicators. 2020 , 17, 4669-4678	4
890	Quality reference values for heavy metals in soils developed from basic rocks under tropical conditions. 2020 , 217, 106591	5

889	Size Fractionation of Titania Nanoparticles in Wild Grown in a Native Environment. 2020 , 54, 8649-8657	4
888	Factors influencing heavy metal availability and risk assessment of soils at typical metal mines in Eastern China. 2020 , 400, 123289	60
887	A regional soil and river sediment geochemical study in Baoshan area, Yunnan province, southwest China. 2020 , 217, 106557	6
886	Exploring novel Cr(VI) remediation genes for Cr(VI)-contaminated industrial wastewater treatment by comparative metatranscriptomics and metagenomics. <i>Science of the Total Environment</i> , 2020 , 10.2 742, 140435	10
885	Appraisal of heavy metal toxicity in surface water with human health risk by a novel approach: a study on an urban river in vicinity to industrial areas of Bangladesh. 2020 , 1-17	34
884	Impact assessment of metal contamination in surface water of Sutlej River (India) on human health risks. 2020 , 265, 114907	43
883	Migration of heavy metals and migration-degradation of phenanthrene in soil using electro kinetic-laccase combined remediation system. 2020 , 55, 704-711	3
882	Impact of Biochar Particle Sizes on the Bioaccumulation of the Heavy Metals and Their Target Hazard Assessment. 2020 , 37, 614-622	3
881	Contamination of heavy metals in paddy soil in the vicinity of Nui Phao multi-metal mine, North Vietnam. 2020 , 42, 4141-4158	13
880	Association between changes in gestational blood pressure and vanadium exposure in China. 2020 , 79, 103424	2
879	Toxic heavy metals: impact on the environment and human health, and treatment with conducting organic polymers, a review. 2020 , 27, 29927-29942	155
878	Remediation of Cu-phenanthrene co-contaminated soil by soil washing and subsequent photoelectrochemical process in presence of persulfate. 2020 , 400, 123111	12
877	Current status, spatial features, health risks, and potential driving factors of soil heavy metal pollution in China at province level. 2020 , 266, 114961	99
876	Magnetic response of Arsenic pollution in a slag covered soil profile close to an abandoned tungsten mine, southern China. 2020 , 10, 4357	1
875	Phytostabilization of Cd and Pb in Highly Polluted Farmland Soils Using Ramie and Amendments. 2020 , 17,	14
874	Spatial characteristics of heavy metal contamination and potential human health risk assessment of urban soils: A case study from an urban region of South India. 2020 , 194, 110406	73
873	Spectroscopic response of soil organic matter in mining area to Pb/Cd heavy metal interaction: A mirror of coherent structural variation. 2020 , 393, 122425	21
872	Comprehensive Assessment of Production Living Ecological Space Based on the Coupling Coordination Degree Model. 2020 , 12, 2009	26

871	Phytoremediation of soil heavy metals (Cd and Zn) by castor seedlings: Tolerance, accumulation and subcellular distribution. 2020 , 252, 126471	25
870	Spatial distribution, mobility and potential health risks of arsenic and lead concentrations in semiarid fine top-soils of Durango City, Mexico. 2020 , 190, 104540	4
869	Assessment of the Health Effects of Heavy Metals Pollution of Agricultural Soils in the Iron Ore Mining Area of the Northern Piedmont of Mount Wutai, Shanxi Province, China. 2020 , 12, 1926	3
868	A new approach to evaluate toxic metal transport in a catchment. 2020 , 192, 234	4
867	Health risk assessment associated with heavy metal accumulation in wheat after long-term phosphorus fertilizer application. 2020 , 262, 114348	40
866	Nutritional and therapeutic perspectives of Stevia rebaudiana as emerging sweetener; a way forward for sweetener industry. 2020 , 18, 164-177	10
865	Xylem-based long-distance transport and phloem remobilization of copper in Salix integra Thunb. 2020 , 392, 122428	10
864	Comparison of Chinese and Danish Soil Legislation Based on Soil Heavy Metal Values in Contaminated Sites: A Case Study in Sichuan. 2020 , 29, 355-368	2
863	Reviewing the material and metal security of low-carbon energy transitions. 2020 , 124, 109789	35
862	Quantifying influences of interacting anthropogenic-natural factors on trace element accumulation and pollution risk in karst soil. <i>Science of the Total Environment</i> , 2020 , 721, 137770	13
861	Hyperspectral Inversion of Chromium Content in Soil Using Support Vector Machine Combined with Lab and Field Spectra. 2020 , 12, 4441	5
860	Environmental and human health risk evaluation of heavy metals in ceramsites from municipal solid waste incineration fly ash. 2020 , 42, 3779-3794	4
859	Assessment of nutrients effect on the bioaccessibility of Cd and Cu in contaminated soil. 2020 , 202, 110913	4
858	Changes of root microbial populations of natively grown plants during natural attenuation of V-Ti magnetite tailings. 2020 , 201, 110816	4
857	Analysis of search strategies for evaluating low-dose heavy metal mixture induced cognitive deficits in rats: An early sensitive toxicological approach. 2020 , 202, 110900	1
856	Source apportionment and source-oriented risk assessment of heavy metals in the sediments of an urban river-lake system. <i>Science of the Total Environment</i> , 2020 , 737, 140310	36
855	Assessment of Cu, Zn, Mn, and Fe enrichment in Mt. Kenya soils: evidence for atmospheric deposition and contamination. 2020 , 192, 167	7
854	Dynamic capacity modelling of soil environment carrying capacity, and developing a soil quality early warning framework for development land in China. 2020 , 257, 120450	12

853	Environmental and human health risks from cadmium exposure near an active lead-zinc mine and a copper smelter, China. <i>Science of the Total Environment</i> , 2020 , 720, 137585	52
852	Removal of heavy metals from soil by vermiculite supported layered double hydroxides with three-dimensional hierarchical structure. 2020 , 390, 124554	32
851	PAMPSNiSiO(OH) multiwalled nanotubes as a novel nano-sorbent for the effective removal of Pb(ii) ions 2020 , 10, 7619-7627	7
850	Coupling phytoremediation efficiency and detoxification to assess the role of P in the Cu tolerant Ricinus communis L. 2020 , 247, 125965	13
849	Public health risk of toxic metal(loid) pollution to the population living near an abandoned small-scale polymetallic mine. <i>Science of the Total Environment</i> , 2020 , 718, 137434	17
848	A comprehensive investigation of hazardous elements contamination in mining and smelting-impacted soils and sediments. 2020 , 192, 110320	16
847	Air pollution tolerance, metal accumulation and dust capturing capacity of common tropical trees in commercial and industrial sites. <i>Science of the Total Environment</i> , 2020 , 722, 137622	29
846	Development of a new noncarcinogenic heavy metal pollution index for quality ranking of vegetable, rice, and milk. 2020 , 113, 106214	9
845	Quantitatively assessing the risks and possible sources of toxic metals in soil from an arid, coal-dependent industrial region in NW China. 2020 , 212, 106505	7
844	Two novel colorimetric fluorescent probes: Hg and Al in the visual colorimetric recognition environment 2020 , 10, 3048-3059	9
843	Novel bio-filtration method for the removal of heavy metals from municipal solid waste. 2020 , 17, 100619	6
843	Novel bio-filtration method for the removal of heavy metals from municipal solid waste. 2020 , 17, 100619 Assessment of human health risks and pollution index for heavy metals in farmlands irrigated by effluents of stabilization ponds. 2020 , 27, 10317-10327	37
	Assessment of human health risks and pollution index for heavy metals in farmlands irrigated by	
842	Assessment of human health risks and pollution index for heavy metals in farmlands irrigated by effluents of stabilization ponds. 2020 , 27, 10317-10327 A spatial bayesian-network approach as a decision-making tool for ecological-risk prevention in	37
842	Assessment of human health risks and pollution index for heavy metals in farmlands irrigated by effluents of stabilization ponds. 2020 , 27, 10317-10327 A spatial bayesian-network approach as a decision-making tool for ecological-risk prevention in land ecosystems. 2020 , 419, 108929 NTA-enhanced Pb remediation efficiency by the phytostabilizer Athyrium wardii (Hook.) and	37 8
842 841 840	Assessment of human health risks and pollution index for heavy metals in farmlands irrigated by effluents of stabilization ponds. 2020, 27, 10317-10327 A spatial bayesian-network approach as a decision-making tool for ecological-risk prevention in land ecosystems. 2020, 419, 108929 NTA-enhanced Pb remediation efficiency by the phytostabilizer Athyrium wardii (Hook.) and associated Pb leaching risk. 2020, 246, 125815 Extracellular polymeric substance from Rahnella sp. LRP3 converts available Cu into Cu(PO)(OH) in	37 8
842 841 840 839	Assessment of human health risks and pollution index for heavy metals in farmlands irrigated by effluents of stabilization ponds. 2020, 27, 10317-10327 A spatial bayesian-network approach as a decision-making tool for ecological-risk prevention in land ecosystems. 2020, 419, 108929 NTA-enhanced Pb remediation efficiency by the phytostabilizer Athyrium wardii (Hook.) and associated Pb leaching risk. 2020, 246, 125815 Extracellular polymeric substance from Rahnella sp. LRP3 converts available Cu into Cu(PO)(OH) in soil through biomineralization process. 2020, 260, 114051	37 8 10 8

835	Quantitative source apportionment of heavy metal(loid)s in the agricultural soils of an industrializing region and associated model uncertainty. 2020 , 391, 122244		51
834	A Spatiotemporal Analysis of the Effects of Urbanization Socio-Economic Factors on Landscape Patterns Considering Operational Scales. 2020 , 12, 2543		4
833	As-Hg Compound Pollution: Rice Growth, Yield, and Environmental Safety Limits. 2020, 12, 2868		1
832	Application of rapeseed residue increases soil organic matter, microbial biomass, and enzyme activity and mitigates cadmium pollution risk in paddy fields. 2020 , 264, 114681		15
831	Toward Green Battery Cells: Perspective on Materials and Technologies. 2020 , 4, 2000039		73
830	Sustainability scienceBelow and above the ground as per the United Nation sustainable development goals. 2020 , 453-471		1
829	Effects of Cd-resistant bacteria and calcium carbonate + sepiolite on Cd availability in contaminated paddy soil and on Cd accumulation in brown rice grains. 2020 , 195, 110492		10
828	Bioluminescent method for the rapid screening of toxic heayy metals in environmental samples using Photobacterium leiognathi strain AK-MIE. 2020 , 196, 110527		2
827	Cadmium source identification in soils and high-risk regions predicted by geographical detector method. 2020 , 263, 114338		26
826	Popular wood and sugarcane bagasse biochars reduced uptake of chromium and lead by lettuce from mine-contaminated soil. 2020 , 263, 114446		23
825	Comprehensive assessment of soil risk in a de-industrialized area in China. 2020 , 262, 121302		2
824	Novel dual-template magnetic ion imprinted polymer for separation and analysis of Cd2+ and Pb2+ in soil and food. 2020 , 262, 121387		14
823	Pollution and health risk assessment of toxic metal(loid)s in soils under different land use in sulphide mineralized areas. <i>Science of the Total Environment</i> , 2020 , 724, 138176	10.2	21
822	Plant diversity enhances the reclamation of degraded lands by stimulating plantBoil feedbacks. 2020 , 57, 1258-1270		8
821	Exogenous Melatonin Application Enhances Symbiosis and Induces the Antioxidant Response of Under Lead Stress. 2020 , 11, 516		8
820	Dynamic Linkages among Mining Production and Land Rehabilitation Efficiency in China. 2020 , 9, 76		3
819	Pollution status and human health risk assessments of selected heavy metals in urban dust of 16 cities in Iran. 2020 , 27, 23094-23107		21
818	Effects of EDTA, citric acid, and tartaric acid application on growth, phytoremediation potential, and antioxidant response of L. in a cadmium-spiked calcareous soil. 2020 , 22, 1204-1214		14

817	Enrichment, Source Apportionment and Health Risk Assessment of Soil Potentially Harmful Elements Associated with Different Land Use in Coastal Tidelands Reclamation Area, Eastern China. 2020 , 17,	2
816	Ecological security and health risk assessment of soil heavy metals on a village-level scale, based on different land use types. 2020 , 42, 3393-3413	12
815	Biochemical and genetic basis of cadmium biosorption by Enterobacter ludwigii LY6, isolated from industrial contaminated soil. 2020 , 264, 114637	13
814	Heavy metals in aquatic products and the health risk assessment to population in China. 2020 , 27, 22708-22	719 ₉
813	Antioxidant Capacity, Metal Contents, and Their Health Risk Assessment of Tartary Buckwheat Teas. 2020 , 5, 9724-9732	10
812	Radiological and pollution risk assessments of terrestrial radionuclides and heavy metals in a mineralized zone of the siwalik region (India). 2020 , 254, 126857	16
811	Potential health risk assessment for inhabitants posed by heavy metals in rice in Zijiang River basin, Hunan Province, China. 2020 , 27, 24013-24024	9
810	A review of ecological risk assessment and associated health risks with heavy metals in sediment from India. 2020 , 35, 516-526	34
809	Health risk assessment quantification from heavy metals contamination in the urban soil and urban surface deposited sediment. 2020 , 14, 285-293	16
808	The environmental improvement under Chinal New Normal 2020, 13, 139-151	O
807	Trace Elements in Soils of a Typical Industrial District in Ningxia, Northwest China: Pollution, Source, and Risk Evaluation. 2020 , 12, 1868	9
806	Pollution, Sources and Human Health Risk Assessment of Potentially Toxic Elements in Different Land Use Types under the Background of Industrial Cities. 2020 , 12, 2121	6
805	Status of mercury accumulation in agricultural soils across China (1976-2016). 2020, 197, 110564	14
804	Bacterium Mediated Facile and Green Method for Optimized Biosynthesis of Gold Nanoparticles for Simple and Visual Detection of Two Metal Ions. 2021 , 32, 341-350	3
803	Effect of multiple heavy metals pollution to bacterial diversity and community structure in farmland soils. 2021 , 27, 724-741	2
802	Heavy metal ions' poisoning behavior-inspired etched UiO-66/CTS aerogel for Pb(II) and Cd(II) removal from aqueous and apple juice. 2021 , 401, 123318	20
801	Distribution, source identification, ecological and health risks of heavy metals in surface sediments of the Rupsa River, Bangladesh. 2021 , 40, 77-101	43
800	Cadmium isotope constraints on heavy metal sources in a riverine system impacted by multiple anthropogenic activities. <i>Science of the Total Environment</i> , 2021 , 750, 141233	2 5

799	Stochastic risk assessment of urban soils contaminated by heavy metals in Kazakhstan. <i>Science of the Total Environment</i> , 2021 , 750, 141535	10.2	9
798	Fe/Mn- and P-modified drinking water treatment residuals reduced Cu and Pb phytoavailability and uptake in a mining soil. 2021 , 403, 123628		53
797	Copper release from waste rocks in an abandoned mine (NE, Brazil) and its impacts on ecosystem environmental quality. 2021 , 262, 127843		12
796	Synergistic effect of organo-mineral amendments and plant growth-promoting rhizobacteria (PGPR) on the establishment of vegetation cover and amelioration of mine tailings. 2021 , 262, 127803		19
795	A comprehensive exploration of risk assessment and source quantification of potentially toxic elements in road dust: A case study from a large Cu smelter in central China. 2021 , 196, 104930		29
794	Profiling multiple heavy metal contamination and bacterial communities surrounding an iron tailing pond in Northwest China. <i>Science of the Total Environment</i> , 2021 , 752, 141827	10.2	33
793	Spatial assessment models to evaluate human health risk associated to soil potentially toxic elements. 2021 , 268, 115699		16
792	A meta-analysis of heavy metals pollution in farmland and urban soils in China over the past 20 years. 2021 , 101, 217-226		73
791	Galena weathering in simulated alkaline soil: Lead transformation and environmental implications. <i>Science of the Total Environment</i> , 2021 , 755, 142708	10.2	2
790	Dry deposition of particulate matter and its associated soluble ions on five broadleaved species in Taichung, central Taiwan. <i>Science of the Total Environment</i> , 2021 , 753, 141788	10.2	5
789	Wood vinegar enhances humic acid-based remediation material to solidify Pb(II) for metal-contaminated soil. 2021 , 28, 12648-12658		3
788	Land-use change caused by anthropogenic activities increase fluoride and arsenic pollution in groundwater and human health risk. 2021 , 406, 124337		28
787	Fuzzy health risk assessment and integrated management of toxic elements exposure through soil-vegetables-farmer pathway near urban industrial complexes. <i>Science of the Total Environment</i> , 2021 , 764, 142817	10.2	3
786	Non-inverted U-shaped challenges to regional sustainability: The health risk of soil heavy metals in coastal China. 2021 , 279, 123746		10
7 ⁸ 5	Ore agglomeration behavior and its key controlling factors in heap leaching of low-grade copper minerals. 2021 , 279, 123705		8
7 ⁸ 4	Environmental isotopes (180, 2H, 222Rn) and hydrochemical evidence for understanding rainfall-surface water-groundwater transformations in a polluted karst area. 2021 , 592, 125748		10
783	Assessment of the heavy metal pollution and health risks of rice cultivated in Hainan Island, China. 2021 , 22, 63-74		4
782	Assessment and zoning of environmental hazard of heavy metals using the Nemerow integrated pollution index in the vineyards of Malayer city. 2021 , 69, 149-159		6

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781	Mobility of metal(loid)s in roof dusts and agricultural soils surrounding a Zn smelter: Focused on the impacts of smelter-derived fugitive dusts. <i>Science of the Total Environment</i> , 2021 , 757, 143884	6
780	Mechanisms and challenges of microbial fuel cells for soil heavy metal(loid)s remediation. <i>Science of the Total Environment</i> , 2021 , 756, 143865	18
779	Trace element contamination in urban topsoil in China during 2000-2009 and 2010-2019: Pollution assessment and spatiotemporal analysis. <i>Science of the Total Environment</i> , 2021 , 758, 143647	14
778	Explore Regional PM2.5 Features and Compositions Causing Health Effects in Taiwan. 2021 , 67, 176-191	11
777	Contamination and health risk assessment of heavy metals in China's lead-zinc mine tailings: A meta-analysis. 2021 , 267, 128909	46
776	The effect of soil moisture regime and biochar application on lead (Pb) stabilization in a contaminated soil. 2021 , 208, 111626	10
775	Comparison of different extracting agents for the recovery of Pb and Zn through electrokinetic remediation of mine tailings. 2021 , 279, 111728	11
774	Marginal lands for bioenergy in China; an outlook in status, potential and management. 2021 , 13, 21-44	7
773	The addition of degradable chelating agents enhances maize phytoremediation efficiency in Cd-contaminated soils. 2021 , 269, 129373	4
772	Quantifying the influencing factors and multi-factor interactions affecting cadmium accumulation in limestone-derived agricultural soil using random forest (RF) approach. 2021 , 209, 111773	6
771	Effects of vegetation restoration on accumulation and translocation of heavy metals in post-mining areas. 2021 , 32, 2000-2012	2
770	Wear of the working parts of agricultural tools in the context of the mass of chemical elements introduced into soil during its cultivation. 2021 , 9, 229-240	2
769	Substratum influences uptake of radium-226 by plants. <i>Science of the Total Environment</i> , 2021 , 766, 1426552	2
768	Bioaccessibility of metals in soils surrounding two dismissed mining sites in Northern Italy. 2021 , 18, 1349-1360	2
767	Enhanced laser induced breakdown spectroscopy signal intensity in colloids: An application for estimation of Cu and Cr in aqueous solution. 2021 , 175, 106010	3
766	Ecological and human health risk assessment of heavy metals in dust affected by fireworks during the Spring Festival in Beijing. 2021 , 14, 139-148	8
765	Impact of heavy metals dispersion on water supplies around Oshiri and Ishiagu mine districts of Southern Benue Trough, Nigeria. 2021 , 7, 2015-2030	5
764	Microbial remediation of heavy metals from sludge of wastewater treatment plants. 2021, 559-569	

763	Variations of HCHO and BTX, human health risk and indoor renovation characteristics of newly renovated rental apartments in Beijing, China. 1420326X2098660	1
762	Environmental Pollution, Its Causes and Impact on Ecosystem. 2021 , 1-22	2
761	A novel hydrophilic fluorescent probe for Cu detection and imaging in HeLa cells 2021 , 11, 10264-10271	0
760	Ecological risk assessment of heavy metal-contaminated soils of selected villages in Zamfara State, Nigeria. 2021 , 3, 1	7
759	Effect of different industrial activities on soil heavy metal pollution, ecological risk, and health risk. 2021 , 193, 20	23
758	Toxicity/risk assessment of nanomaterials when used in soil treatment. 2021 , 87-100	
757	Characterization, possible sources and health risk assessment of PM2.5-bound Heavy Metals in the most industrial city of Iran. 2021 , 19, 151-163	13
756	Nanoparticles for Bioremediation of Heavy Metal Polluted Water. 2021 , 1241-1263	
755	Evaluation of Contamination Status and Health Risk Assessment of Essential and Toxic Metals in Cyprinus carpio from Mangla Lake, Pakistan. 2021 , 199, 4284-4294	1
754	Combination of contamination indices and ecological risk assessment index for evaluation of pollution level in sediments. 2021 , 99-117	O
753	Release of Coal Gangue Pollutants and Its Influence Mechanism. 2021 , 11, 39-50	
75 ²	Green solvents for soil and sediment remediation. 2021 , 37-65	O
751	Microalgae and cyanobacteria as food: Legislative and safety aspects. 2021, 249-264	0
75°	Removal of Pb from Water: The Effectiveness of Gypsum and Calcite Mixtures. 2021 , 11, 66	1
749	Arbuscular mycorrhizal fungi species differentially regulate plant growth, phosphorus uptake and stress tolerance of soybean in lead contaminated soil. 1-16	2
748	Environmental Impacts of Coal-Mining and Coal-Fired Power-Plant Activities in a Developing Country with Global Context. 2021 , 421-493	10
747	Risk assessment and ecotoxicological effects of leachates extracted from industrial district soils of Nanjing, China. 2021 , 30, 1343-1353	
746	Spatial variability in heavy metal concentration in urban pavement joints 🗈 case study. 2021 , 7, 15-31	2

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745	Magnetically separable (carbon) graphene oxide based nano-composites for water treatment. 2021 , 461-483	О
744	Pollution and health risk assessment of toxic metals in solid waste dumping site soil and its impact on groundwater: a case study. 1-21	1
743	Characterizing the Human Health Risk Along with the Bioaccumulation of Heavy Metals in the Aquatic Biota in the East Coastal Waters of the Indian Peninsula. 2021 , 111-128	0
742	Water quality and health risk assessment based on hydrochemical characteristics of tap and large-size bottled water from the main cities and towns in Guanzhong Basin, China. 2021 , 80, 1	5
741	Heavy metal pollution caused by cyanide gold leaching: a case study of gold tailings in central China. 2021 , 28, 29231-29240	8
740	Concentration of Potentially Toxic Elements in Vegetable Oils and Health Risk Assessment: a Systematic Review and Meta-analysis. 2022 , 200, 437-446	9
739	Soil particle size fraction and potentially toxic elements bioaccessibility: A review. 2021 , 209, 111806	14
738	A Growth and Phosphorus Uptake of Soybean (Glycine Max L.) in Response to Arbuscular Mycorrhizal Fungus Rhizophagus Intraradices Inoculation in Heavy Metal-contaminated Soils. 1-16	2
737	The distribution and speciation characteristics of vanadium in typical cultivated soils. 1-14	1
736	Contrasting impacts of mobilisation and immobilisation amendments on soil health and heavy metal transfer to food chain. 2021 , 209, 111836	8
735	Effects of Landscape Features on the Roadside Soil Heavy Metal Distribution in a Tropical Area in Southwest China. 2021 , 11, 1408	6
734	Heavy Metals and Pesticides Toxicity in Agricultural Soil and Plants: Ecological Risks and Human Health Implications. 2021 , 9,	135
733	The formation of fungus-serpentine aggregation and its immobilization of lead(II) under acidic conditions. 2021 , 105, 2157-2169	1
732	Effect of Carbonation on the Leachability of Solidified/Stabilized Lead-Contaminated Expansive Soil. 2021 , 2021, 1-13	1
731	Trace metals and metalloids in peri-urban soil and foliage across geologic materials, ecosystems, and development intensities in Southern California. 2021 , 21, 1713-1729	1
730	Lead and cadmium exposure network in children in a periurban area in India: susceptibility and health risk. 2021 , 28, 28133-28145	1
729	Removal of cadmium from mining soil using organic acid and ultrasonic waves. 002072092199660	
728	The Improved Phytoextraction of Heavy Metals and the Growth of Trifolium repens L.: The Role of K2HEDP and Plant Growth Regulators Alone and in Combination. 2021 , 13, 2432	2

727	Cadmium and Lead Pollution Characteristics of Soils, Vegetables and Human Hair Around an Open-cast Lead-zinc Mine. 2021 , 107, 1176-1183	2
726	Heavy metal pollution characteristics and health risk evaluation of soil around a tungsten-molybdenum mine in Luoyang, China. 2021 , 80, 1	3
725	Predictive model of heavy metals inputs to soil at Kryvyi Rih District and its use in the training for specialists in the field of Biology. 2021 , 1840, 012011	1
724	Soil stabilization/solidification (S/S) agentwater-soluble thiourea formaldehyde (WTF) resin: Mechanism and performance with cadmium (II). 2021 , 272, 116025	6
723	Hazardous Heavy Metals Accumulation and Health Risk Assessment of Different Vegetable Species in Contaminated Soils from a Typical Mining City, Central China. 2021 , 18,	10
722	Trace metal contamination in soils from mountain regions across China: spatial distribution, sources, and potential drivers. 2021 , 3, 189-206	3
721	Review on contaminants in edible oil and analytical technologies. 2021 , 6, 23-27	3
720	Health risk assessment of heavy metals in dust particles precipitated on the screen of computer monitors. 2021 , 28, 40771-40781	1
719	Effect of soil characteristics on cadmium absorption and plant growth of Theobroma cacao L. seedlings. 2021 , 101, 5437-5445	1
718	Security Regional Division of Farmland Soil Heavy Metal Elements in North of the North China Plain. 2021 , 9,	O
717	Dispersion and modeling discussion of aerosol air pollution caused during mining and processing of open-cast mines. 1	4
716	Use of Comparative Transcriptomics Combined With Physiological Analyses to Identify Key Factors Underlying Cadmium Accumulation in L. 2021 , 12, 655885	4
715	Assessing the fractionation and bioavailability of heavy metals in soil-rice system and the associated health risk. 2021 , 1	4
714	Biological effects of biochar and zeolite used for remediation of soil contaminated with toxic heavy metals. 2021 , 11, 6998	4
713	Controlling Factors and Prediction of Lead Uptake and Accumulation in Various Soil-Pepper Systems. 2021 , 40, 1443-1451	0
712	Understanding the dynamics of heavy metals in a freshwater ecosystem through their toxicity and bioavailability assay. 1	0
711	Concentration and Spatial Distribution of Potentially Toxic Elements in Surface Soil of a Peak-Cluster Depression, Babao Town, Yunnan Province, China. 2021 , 18,	2
710	Speciation and Potential Ecological Risk of Heavy Metals in Soils from Overlapped Areas of Farmland and Coal Resources in Northern Xuzhou, China. 2021 , 107, 1053-1058	1

709	A Review of Heavy Metals in Coastal Surface Sediments from the Red Sea: Health-Ecological Risk Assessments. 2021 , 18,	7
708	Multi-element contamination in soils from major mining areas in Northeastern of Brazil. 2021 , 43, 4553-4576	2
707	Spatio-Temporal Analysis of Heavy Metals in Arid Soils at the Catchment Scale Using Digital Soil Assessment and a Random Forest Model. 2021 , 13, 1698	6
706	Insights into Persistent Toxic Substances in Protective Cases of Mobile Phones: Occurrence, Health Risks, and Implications. 2021 , 55, 6076-6086	О
705	Ecological and probabilistic human health risk assessment of heavy metal(loid)s in river sediments affected by mining activities in Ecuador. 2021 , 43, 4459-4474	2
704	Heavy metal phytoremediation potential of the roadside forage Chloris barbata Sw. (swollen windmill grass) and the risk assessment of the forage-cattle-human food system. 2021 , 28, 45096-45108	1
703	Spatial Distribution and Ecological Risk Assessment of Heavy Metals in Surface Sediment of Songhua River, Northeast China. 2021 , 31, 223-233	1
702	Application of BP - ANN model in evaluation of soil quality in the arid area, northwest China. 2021 , 208, 104907	8
701	The health and socioeconomic costs of exposure to soil pollution: evidence from three polluted mining and industrial sites in Europe. 1	1
700	Characterization of cadmium-responsive transcription factors in wolf spider Pardosa pseudoannulata. 2021 , 268, 129239	4
699	Changes Induced by Self-Burning in Technosols from a Coal Mine Waste Pile: A Hydropedological Approach. 2021 , 11, 195	3
698	Characteristics and Risk Assessment of Soil Polluted by Lead around Various Metal Mines in China. 2021 , 18,	2
697	Evaluation of stabilizing material and stabilization efficiency through comparative study of toxic heavy metal transfer between corn and peanut grown in stabilized field soil. 2021 , 275, 116617	2
696	Adsorptive studies of toxic metal ions of Cr(VI) and Pb(II) from synthetic wastewater by pristine and calcined coral limestones. 2021 , 36, 43-57	5
695	Bioremoval of hazardous cobalt, nickel, chromium, copper and cadmium compounds from contaminated soil by Nicotiana tabacum plants and associated microbiome. 2021 , 29, 88-93	3
694	Contamination impact and human health risk in surface soils surrounding the abandoned mine of Zefla, High Moulouya, Northeastern Morocco. 2021 , 23, 17030	1
693	A new method that combines spectral indexes and Naive Bayes to distinguish heavy metal pollution in crops. 2021 , 12, 666-673	0
692	Major and trace elements concentration in recent clastic sediments from part of the eastern coast of India: an assessment of metal pollution. 2021 , 80, 1	

691	Identifying dust as the dominant source of exposure to heavy metals for residents around battery factories in the Battery Industrial Capital of China. <i>Science of the Total Environment</i> , 2021 , 765, 144375	4
690	Spatial Variation in Microbial Community in Response to As and Pb Contamination in Paddy Soils Near a Pb-Zn Mining Site. 2021 , 9,	4
689	Lead contamination and isotopic composition of the bulk and . 2021 , 80, 1	О
688	Potential risk of exposure to heavy metals from co-processing of secondary wastes in the Republic of Korea. 2021 , 286, 112164	4
687	Occurrence, geochemical fraction, ecological and health risk assessment of cadmium, copper and nickel in soils contaminated with municipal solid wastes. 2021 , 271, 129573	26
686	Boron decreases cadmium influx into root cells of Capsicum annuum by altering cell wall components and plasmalemma permeability. 2021 , 28, 52587-52597	2
685	Quantitative source apportionment, risk assessment and distribution of heavy metals in agricultural soils from southern Shandong Peninsula of China. <i>Science of the Total Environment</i> , 10.2 2021 , 767, 144879	22
684	Environmental Spread of Antibiotic Resistance. 2021 , 10,	9
683	Source Apportionment of Heavy Metal Pollution in Agricultural Soils around the Poyang Lake Region Using UNMIX Model. 2021 , 13, 5272	6
682	Risk sources quantitative appointment of ecological environment and human health in farmland soils: a case study on Jiuyuan District in China. 2021 , 43, 4789-4803	1
681	Modified filters with culture enhance removal of copper and iron contaminants in water. 2021, 1-9	1
680	Sources and migration of heavy metals in a karst water system under the threats of an abandoned Pb-Zn mine, Southwest China. 2021 , 277, 116774	12
679	Nitrous oxide emissions, ammonia volatilization, and grain-heavy metal levels during the wheat season: Effect of partial organic substitution for chemical fertilizer. 2021 , 311, 107340	10
678	Supercritical carbon dioxide extraction of plant phytochemicals for biological and environmental applications - A review. 2021 , 271, 129525	32
677	Arbuscular Mycorrhizal Fungi Increase Pb Uptake of Colonized and Non-Colonized Root and Deliver Extra Pb to Colonized Root Segment. 2021 , 9,	О
676	Comparison of the Potential Ecological and Human Health Risks of Heavy Metals from Sewage Sludge and Livestock Manure for Agricultural Use. 2021 , 9,	4
675	Profiles and potential health risks of heavy metals in polluted soils in NE-Iran. 1-13	
674	Simulation of the pollution abatement behavior of regional metal-related enterprises based on the interactive perspective of industrial agglomerations and emission reduction effects. 2021 , 1	

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673	Optimization of copper detection based on polarization-resolved laser-induced breakdown spectroscopy. 2021 , 60, 5266-5270	1
672	Heavy Metal Pollution Analysis and Health Risk Assessment of Two Medicinal Insects of Mylabris. 2021 , 1	Ο
671	The response of benthic foraminifera to heavy metals and grain sizes: A case study from Hainan Island, China. 2021 , 167, 112328	3
670	Lab-Scale Combustion of High-Moisture Fuels From Peat, Coal Waste and Milled Lignite. 1	1
669	Metabolic potentials of members of the class Acidobacteriia in metal-contaminated soils revealed by metagenomic analysis. 2021 ,	9
668	Adsorption and Desorption Characteristics of Cadmium on Different Contaminated Paddy Soil Types: Kinetics, Isotherms, and the Effects of Soil Properties. 2021 , 13, 7052	
667	Heavy metal- and organic-matter pollution due to self-heating coal-waste dumps in the Upper Silesian Coal Basin (Poland). 2021 , 412, 125244	8
666	Co-pyrolysis of sewage sludge and organic fractions of municipal solid waste: Synergistic effects on biochar properties and the environmental risk of heavy metals. 2021 , 412, 125200	20
665	Ecological and human health risk associated with potentially toxic metals in water from Ijero mining area, Southwest Nigeria. 1-25	О
664	Arsenic and Cadmium in Soils from a Typical Mining City in Huainan, China: Spatial Distribution, Ecological Risk Assessment and Health Risk Assessment. 2021 , 107, 1080-1086	Ο
663	Lead Mobilization and Speciation in Mining Waste: Experiments and Modeling. 2021, 11, 606	2
662	Long-Term Irrigation with Treated Municipal Wastewater from the Wadi-Musa Region: Soil Heavy Metal Accumulation, Uptake and Partitioning in Olive Trees. 2021 , 7, 152	4
661	Exogenous application of Mn significantly increased Cd accumulation in the Cd/Zn hyperaccumulator Sedum alfredii. 2021 , 278, 116837	4
660	Vitamin C mediates the activation of green tea extract to modify nanozero-valent iron composites: Enhanced transport in heterogeneous porous media and the removal of hexavalent chromium. 2021 , 411, 125042	7
659	Identifying the Source of Heavy Metal Pollution and Apportionment in Agricultural Soils Impacted by Different Smelters in China by the Positive Matrix Factorization Model and the Pb Isotope Ratio Method. 2021 , 13, 6526	3
658	The Monitoring of Selected Heavy Metals Content and Bioavailability in the Soil-Plant System and Its Impact on Sustainability in Agribusiness Food Chains. 2021 , 13, 7021	2
657	Source and Health Risk Assessment of Heavy Metals in Soil-Ginger System in the Jing River Basin of Shandong Province, North China. 2021 , 18,	4
656	Effects of Long-Term Freeze-Thaw Cycles on the Properties of Stabilized/Solidified Lead-Zinc-Cadmium Composite-Contaminated Soil. 2021 , 18,	1

655	Assessment of different hazard indices around coal-fired power plants in Turkey. 2021 , 329, 601-620		2
654	Source apportionment, health and ecological risk assessments of essential and toxic elements in kerosene-contaminated soils. 1-11		О
653	Evaluation methods of heavy metal pollution in soils based on enzyme activities: A review. 2021 , 3, 169-	177	6
652	HERisk: An improved spatio-temporal human health risks assessment software. <i>Science of the Total Environment</i> , 2021 , 772, 145044	10.2	4
651	Computed tomography assessment of soil and sediment porosity modifications from exposure to an acid copper sulfate solution. 2021 , 108, 103194		0
650	Ecological and health risk assessment of heavy metals in soil and Chinese herbal medicines. 2021 , 1		2
649	Occurrence, distribution, and environmental risk assessment of heavy metals in the vicinity of Fe-ore mines: a global overview. 1-24		1
648	Effect of modified fly ash on environmental safety of two soils contaminated with cadmium and lead. 2021 , 215, 112175		4
647	Effects of long-term agricultural activities on the availability of heavy metals in Syrian soil: A case study in southern Syria. 2021 , 20, 497-497		2
646	Plant Species Diversity of Plant Communities and Heavy Metal Accumulation in Buffer Zone of Momianhe Stream Along a Long-Term Mine Wastes Area, China. 2021 , 107, 1136-1142		2
645	Source apportionment of heavy metals in sediments and soils in an interconnected river-soil system based on a composite fingerprint screening approach. 2021 , 411, 125125		10
644	Survival strategies and dominant phylotypes of maize-rhizosphere microorganisms under metal(loid)s contamination. <i>Science of the Total Environment</i> , 2021 , 774, 145143	10.2	12
643	Pollution characteristics and source identification of soil metal(loid)s at an abandoned arsenic-containing mine, China. 2021 , 413, 125382		23
642	The growth of plants and indigenous bacterial community were significantly affected by cadmium contamination in soil-plant system. 2021 , 11, 103		1
641	Environmental Risk Assessment of Recycled Products of Spent Coppery Etchant in Jiangsu Province, China. 2021 , 18,		1
640	Assessment of ecotoxicity of the bismuth by biological indicators of soil condition. 2021 , 10, 236-242		2
639	Seaweeds as a Palatable Challenge between Innovation and Sustainability: A Systematic Review of Food Safety. 2021 , 13, 7652		5
638	Heavy metals in soil-vegetable system around E-waste site and the health risk assessment. <i>Science of the Total Environment</i> , 2021 , 779, 146438	10.2	18

637	Pollution Characteristics and Risk Assessment of Potential Toxic Elements in a Tin-polymetallic Mine Area Southwest China: Environmental Implications by Multi-Medium Analysis. 2021 , 107, 1032-1042		1
636	Assessment of physical and chemical properties, health risk of trace metals and quality indices of surface waters of the rivers and lakes of the Kola Peninsula (Murmansk Region, North-West Russia). 2021 , 1		2
635	Efficacy of green waste-derived biochar for lead removal from aqueous systems: Characterization, equilibrium, kinetic and application. 2021 , 289, 112490		5
634	Estimation of Heavy Metals in Tailings and Soils Using Hyperspectral Technology: A Case Study in a Tin-Polymetallic Mining Area. 2021 , 107, 1022-1031		О
633	Human health risk assessment of heavy metals in agricultural soil and food crops in Hamadan, Iran. 2021 , 100, 103890		13
632	A spectral characteristic analysis method for distinguishing heavy metal pollution in crops: VMD-PCA-SVM. 2021 , 255, 119649		7
631	Molecular response uncovers neurotoxicity of Pardosa pseudoannulata exposed to cadmium pressure. 2021 , 280, 117000		3
630	Changes in the Structures and Directions of Heavy Metal-Contaminated Soil Remediation Research from 1999 to 2020: A Bibliometric & Scientometric Study. 2021 , 18,		3
629	Evaluation of redevelopment priority of abandoned industrial and mining land based on heavy metal pollution. 2021 , 16, e0255509		О
628	Current permissible levels of metal pollutants harm terrestrial invertebrates. <i>Science of the Total Environment</i> , 2021 , 779, 146398	.0.2	8
627	A Novel Manganese-Rich Pokeweed Biochar for Highly Efficient Adsorption of Heavy Metals from Wastewater: Performance, Mechanisms, and Potential Risk Analysis. 2021 , 9, 1209		1
626	Hygienic quality of soil in the Gemer region (Slovakia) and the impact of risk elements contamination on cultivated agricultural products. 2021 , 11, 14089		1
625	Comparison of heavy metal bioaccessibility between street dust and beach sediment: Particle size effect and environmental magnetism response. <i>Science of the Total Environment</i> , 2021 , 777, 146081	0.2	8
624	KOH modification effectively enhances the Cd and Pb adsorption performance of N-enriched biochar derived from waste chicken feathers. 2021 , 130, 82-92		15
623	A potential method using magnetically modified wheat straw biochars for soil Cd extraction. 2021 , 166, 106240		3
622	Ratiometric G-Quadruplex Assay for Robust Lead Detection in Food Samples. 2021 , 11,		1
621	Implications of Soil Potentially Toxic Elements Contamination, Distribution and Health Risk at Hunan Xikuangshan Mine. 2021 , 9, 1532		2

619	Assessment of the Risk of Heavy Metals Accumulation in Vegetable Crops. 2021, 18, 48-65	1
618	Hyperspectral monitor of soil chromium contaminant based on deep learning network model in the Eastern Junggar coalfield. 2021 , 257, 119739	2
617	Geophagic Clays from Cameroon: Provenance, Metal Contamination and Health Risk Assessment. 2021 , 18,	3
616	Optimization and Simulation of Process Parameters in Biosorption of Heavy Metals by Alcaligenes faecalis Strain UBI (MT107249) Isolated from Soil of Local Mining Area in North-West Nigeria. 1-18	2
615	Health risks of heavy metal contamination in road surface dusts from selected major roads in East London, South Africa. 2021 , 1-10	
614	Spatial distribution and solubilization characteristics of metal(loid)s in riparian soils within reservoirs along the middle Jinsha River. 2021 , 21, 3515	1
613	Screening and identification of Lactobacillus with potential cadmium removal and its application in fruit and vegetable juices. 2021 , 126, 108053	1
612	The changes of rhizosphere characteristics contributed to enhanced Pb accumulation in Athyrium wardii (Hook.) Makino after nitrilotriacetic acid application. 2021 , 1	O
611	Enhanced electrokinetic remediation of heavy metals contaminated soil by biodegradable complexing agents. 2021 , 283, 117111	8
610	Oxalate Modification Dramatically Promoted Cr(VI) Removal with Zero-Valent Iron. 2021 , 1, 2109-2118	7
609	The Effects of Waste Cement on the Bioavailability, Mobility, and Leaching of Cadmium in Soil. 2021 , 18,	1
608	Hydroponic Phytoremediation of Ni, Co, and Pb by Iris Sibirica L 2021 , 13, 9400	2
607	Assessment of potential risks of heavy metals from wastewater treatment plants of Srinagar city, Kashmir. 1	3
606	Small structures with big impact: Multi-walled carbon nanotubes enhanced remediation efficiency in hyperaccumulator Solanum nigrum L. under cadmium and arsenic stress. 2021 , 276, 130130	12
605	Assessing the physico-chemical parameters and some metals of underground water and associated soil in the arid and semiarid regions of Tank District, Khyber Pakhtunkhwa, Pakistan. 2021 , 193, 610	1
604	Exploring human health risk assessment based on the screening of primary targeted metal and chemical balance simulation of ionic speciation in an industrial area, China. 2021 , 277, 130353	1
603	Release characteristics of Pb and BETX from in situ oil shale transformation on groundwater environment. 2021 , 11, 16166	0
602	Experimental and modeling studies of competitive Pb (II) and Cd (II) bioaccumulation by Aspergillus niger. 2021 , 105, 6477-6488	3

601	Negative Consequences on the Growth, Morphometry, and Community Structure of the Kelp (Phaeophyceae, Ochrophyta) by a Short Pollution Pulse of Heavy Metals and PAHs. 2021 , 9,	O
600	Bioaugmentation-assisted bioremediation and kinetics modelling of heavy metal-polluted landfill soil. 1	3
599	Impacts of heavy metals and medicinal crops on ecological systems, environmental pollution, cultivation, and production processes in China. 2021 , 219, 112336	14
598	Heavy metals in soils around non-ferrous smelteries in China: Status, health risks and control measures. 2021 , 282, 117038	25
597	Research trends and frontiers on source appointment of soil heavy metal: a scientometric review (2000-2020). 2021 , 28, 52764-52779	1
596	Evaluating source-oriented human health risk of potentially toxic elements: A new exploration of multiple age groups division. <i>Science of the Total Environment</i> , 2021 , 787, 147502	2
595	Concentration of potentially toxic elements (PTEs) in milk and its product: a systematic review and meta-analysis and health risk assessment study. 1-15	2
594	Quantitative source apportionment and ecological risk assessment of heavy metals in soil of a grain base in Henan Province, China, using PCA, PMF modeling, and geostatistical techniques. 2021 , 193, 655	4
593	Halophytes have potential as heavy metal phytoremediators: A comprehensive review. 2021, 104666	10
592	Human health risk assessment of toxic elements in South Korean cabbage, Kimchi, using Monte Carlo simulations. 2021 , 102, 104046	2
591	Sources and Health Risk of Organochlorine Pesticides in Surface Water from Buerhatong River and Hunchun River in Northeast China. 2021 , 232, 1	О
590	Water resources pollution associated with risks of heavy metals from Vatukoula Goldmine region, Fiji. 2021 , 293, 112868	18
589	Assessment of Heavy Metal Contamination of the Environment in the Mining Site of Ouixane (North East Morocco). 2021 , 232, 1	О
588	Evaluation of phytoremediation potential of native dominant plants and spatial distribution of heavy metals in abandoned mining area in Southwest China. 2021 , 220, 112368	15
587	Source-specific ecological and health risks of potentially toxic elements in agricultural soils in Southern Yunnan Province and associated uncertainty analysis. 2021 , 417, 126144	11
586	Heavy metals in sediments of an urban river at the vicinity of tannery industries in Bangladesh: a preliminary study for ecological and human health risk. 1-19	10
585	Tracing the pollution and human risks of potentially toxic elements in agricultural area nearby the cyanide baths from an active private gold mine in Hainan Province, China. 2021 , 1	О
584	Global soil pollution by toxic elements: Current status and future perspectives on the risk assessment and remediation strategies - A review. 2021 , 417, 126039	50

583	Collaborative Assessment and Health Risk of Heavy Metals in Soils and Tea Leaves in the Southwest Region of China. 2021 , 18,		2
582	Effective immobilization of heavy metals via reactive barrier by rhizosphere bacteria and their biofilms. 2021 , 112080		2
581	Assessment of metal pollution and subsequent ecological risk in the coastal zone of the Olkhon Island, Lake Baikal, Russia. <i>Science of the Total Environment</i> , 2021 , 786, 147441	10.2	8
580	Geological load and health risk of heavy metals uptake by tea from soil: What are the significant influencing factors?. 2021 , 204, 105419		12
579	The Variations of Bacterial Community Structures in Tailing Soils Suffering from Heavy Metal Contaminations. 2021 , 232, 1		3
578	Sediment contamination by trace elements and the associated ecological and health risk assessment: A case study from a large reservoir (Turkey). 2021 , 112145		4
577	Co-utilizing milk vetch, rice straw, and lime reduces the Cd accumulation of rice grain in two paddy soils in south China. <i>Science of the Total Environment</i> , 2022 , 806, 150622	10.2	4
576	Long period exposure to serious cadmium pollution benefits an invasive plant (Alternanthera philoxeroides) competing with its native congener (Alternanthera sessilis). <i>Science of the Total Environment</i> , 2021 , 786, 147456	10.2	4
575	Contamination and Hazard Risk Assessment of Potentially Toxic Elements in Road Dust Lagos, Southwest, Nigeria. 2021 , 4, 1015		
574	In situ electrokinetic (EK) remediation of the total and plant available cadmium (Cd) in paddy agricultural soil using low voltage gradients at pilot and full scales. <i>Science of the Total Environment</i> , 2021 , 785, 147277	10.2	8
573	Status, fuzzy integrated risk assessment, and hierarchical risk management of soil heavy metals across China: A systematic review. <i>Science of the Total Environment</i> , 2021 , 785, 147180	10.2	5
572	A review on catalytic-enzyme degradation of toxic environmental pollutants: Microbial enzymes. 2021 , 419, 126451		30
571	Contamination, sources and health risk of heavy metals in soil and dust from different functional areas in an industrial city of Panzhihua City, Southwest China. 2021 , 420, 126638		13
570	Health risk assessment via ingestion and inhalation of soil PTE of an urban area. 2021 , 281, 130964		2
569	Heavy metals in soil from gangue stacking areas increases children health risk and causes developmental neurotoxicity in zebrafish larvae. <i>Science of the Total Environment</i> , 2021 , 794, 148629	10.2	7
568	BcNRAMP1 promotes the absorption of cadmium and manganese in Arabidopsis. 2021 , 283, 131113		8
567	Ecological network analysis reveals distinctive microbial modules associated with heavy metal contamination of abandoned mine soils in Korea. 2021 , 289, 117851		8
566	Pollutant source, ecological and human health risks assessment of heavy metals in soils from coal mining areas in Xinjiang, China. 2021 , 202, 111702		18

565	Integration of transcriptome and proteome reveals molecular mechanisms underlying stress responses of the cutworm, Spodoptera litura, exposed to different levels of lead (Pb). 2021 , 283, 131205	5	5
564	Magnesium application reduced heavy metal-associated health risks and improved nutritional quality of field-grown Chinese cabbage. 2021 , 289, 117881		2
563	Modeling the kinetics of potentially toxic elements desorption in sediment affected by a dam breakdown disaster in Doce River - Brazil. 2021 , 283, 131157		1
562	Establishing a weighted methodology for human health risk assessment of cadmium based on its equilibrium speciation in groundwater. 2021 , 322, 129053		2
561	Lead speciation and availability affected by plants in a contaminated soil. 2021, 285, 131468		1
560	Ammonium regulates redox homeostasis and photosynthetic ability to mitigate copper toxicity in wheat seedlings. 2021 , 226, 112825		1
559	Heavy metal pollution in the soil-vegetable system of Tannery Estate. 2021 , 16, 100557		4
558	Heavy metal pollution status and health risk assessment vicinity to Barapukuria coal mine area of Bangladesh. 2021 , 16, 100469		3
557	Assessment of the potential for phytoremediation of cadmium polluted soils by various crop rotation patterns based on the annual input and output fluxes. 2022 , 423, 127183		2
556	Accumulation, regional distribution, and environmental effects of Sb in the largest Hg-Sb mine area in Qinling Orogen, China. <i>Science of the Total Environment</i> , 2022 , 804, 150218	10.2	3
555	Potential contamination of stream waters by ultramafic mining sediments: Identification of geochemical makers (New Caledonia). 2022 , 232, 106879		2
554	Regeneration of heavy metal contaminated soils for cement production by cement kiln co-processing. 2022 , 176, 105909		4
553	Effects of ecohydrological interfaces on migrations and transformations of pollutants: A critical review. <i>Science of the Total Environment</i> , 2022 , 804, 150140	10.2	2
552	Assessment of burden of disease induced by exposure to heavy metals through drinking water at national and subnational levels in Iran, 2019. 2021 , 204, 112057		3
551	Probabilistic risk assessment of soil contamination related to agricultural and industrial activities. 2022 , 203, 111837		5
550	Effects of magnetic particle proportion and additive amount on the extraction of Pb and Cd from soil by magnetic biochar. 647, 012169		
549	Mechanochemical Activation of Phlogopite to Enhance its Capacity as Absorbent for the Removal of Heavy Metal Ions. 2021 , 232, 1		2
548	Ecological risk assessment of toxic metal pollution in the industrial zone on the northern slope of the East Tianshan Mountains in Xinjiang, NW China. 2021 , 13, 582-593		0

547	Advanced approaches for heavy metals removal from industrial wastewater. 2021, 403-440	О
546	Trace Elements in Volcanic Environments and Human Health Effects.	
545	Inventory of Pb emissions from one of the largest historic Pb smelter worldwide: 118-year legacy of Pb pollution in northern Mexico. 2021 , 28, 20737-20750	2
544	Risk assessment and ecotoxicological diagnosis of soil from a chemical industry park in Nanjing, China. 2021 , 30, 1303-1314	O
543	Chemical water contaminants: potential risk to human health and possible remediation. 2021, 157-172	0
542	Grafting chelating groups on 2D carbon for selective heavy metal adsorption.	O
541	Effective Chromium Adsorption From Aqueous Solutions and Tannery Wastewater Using Bimetallic Fe/Cu Nanoparticles: Response Surface Methodology and Artificial Neural Network. 2021 , 14, 11786221211	0281
540	Urban Food Production on Retrofitted Rooftops. 158-188	1
539	Phytoremediation of Agricultural Pollutants. 2020 , 27-81	3
538	Biochar Facilitated Hydroxyapatite/Calcium Silicate Hydrate for Remediation of Heavy Metals Contaminated Soils. 2020 , 231, 1	17
537	Identifying factors that influence soil heavy metals by using categorical regression analysis: A case study in Beijing, China. 2020 , 14, 1	19
536	Novel insights into effects of silicon-rich biochar (Sichar) amendment on cadmium uptake, translocation and accumulation in rice plants. 2020 , 265, 114772	16
535	Geochemical distribution of Co, Cu, Ni, and Zn in soil profiles of Fluvisols, Luvisols, Gleysols, and Calcisols originating from Germany and Egypt. 2017 , 307, 122-138	41
534	Biosorpion for sustainable recovery of precious metals from wastewater. 2020 , 8, 103996	18
533	The impact of natural weathering and mining on heavy metal accumulation in the karst areas of the Pearl River Basin, China. <i>Science of the Total Environment</i> , 2020 , 734, 139480	2 19
532	Detection of trace heavy metals using atmospheric pressure glow discharge by optical emission spectra. 2019 , 4, 228-233	15
531	Determination the concentration of heavy elements and gross alpha, beta, and gamma activities in soil samples from Tworeach district at Karbala governorate. 928, 072015	1
530	Using a Dielectric Capacitance Cell to Determine the Dielectric Properties of Pure Sand Artificially Contaminated with Pb, Cd, Fe, and Zn. 2020 , 2020, 1-10	4

529	Impacts of Steel-Slag-Based Silicate Fertilizer on Soil Acidity and Silicon Availability and Metals-Immobilization in a Paddy Soil. 2016 , 11, e0168163	42
528	METAL-ORGANIC FRAMEWORKS (MOFs) DERIVED FROM CARBOXYLATE LIGAND AS POTENTIAL MATERIALS FOR REMEDIATION OF Cu (II) AND Pb (II) FROM AQUEOUS SOLUTION. 165-176	1
527	Seasonal Monitoring of Cu and Zn in the Sewage Sludge of Malatya Advanced Biological Wastewater Treatment Plant. 51-60	3
526	RAPID DETERMINATION OF THE IMMOBILIZATION CONDITIONS FOR LEAD AND CADMIUM IN SOIL USING 2, 4, 6-TRIMERCAPTOTRIAZINE, TRISODIUM SALT, NONAHYDRATE. 2019 , 27, 209-214	1
525	Soil Heavy Metal Pollution Evaluation around Mine Area with Traditional and Ecological Assessment Methods. 2015 , 03, 28-33	9
524	Cost-Effective Strategy for the Investigation and Remediation of Polluted Soil Using Geostatistics and a Genetic Algorithm Approach. 2016 , 07, 99-115	5
523	A combined approach to evaluate activity and structure of soil microbial community in long-term heavy metals contaminated soils. 2018 , 23, 62-69	10
522	Heavy Metals Speciation and Human Health Risk Assessment at an Illegal Gold Mining Site in Igun, Osun State, Nigeria. 2015 , 5, 19-32	26
521	Evaluation of soil intervention values in mine tailings in northern Chile. 2018, 6, e5879	11
520	Genome-wide identification of and association of natural variation in and with leaf cadmium accumulation in maize. 2019 , 7, e7877	7
519	A high Mn(II)-tolerance strain, HM7, isolated from manganese ore and its biosorption characteristics. 2020 , 8, e8589	8
518	Alarming carcinogenic and non-carcinogenic risk of heavy metals in Sabalan dam reservoir, Northwest of Iran. 2021 , 33, 278-291	14
517	Rapid classification of soils from different mining areas by laser-induced breakdown spectroscopy (LIBS) coupled with a PCA-based convolutional neural network. 2021 , 36, 2509-2518	1
516	Towards a green industry through cleaner production development. 2021 , 1	4
515	Source tracing of potentially toxic elements in soils around a typical coking plant in an industrial area in northern China. <i>Science of the Total Environment</i> , 2021 , 807, 151091	1
514	Soil metal(loid)s pollution around a lead/zinc smelter and source apportionment using isotope fingerprints and receptor models. 2021 , 135, 105118	3
513	Using Caenorhabditis elegans to assess the ecological health risks of heavy metals in soil and sediments around Dabaoshan Mine, China. 2021 , 1	0
512	Heavy metal load and effects on biochemical properties in urban soils of a medium-sized city, Ancona, Italy. 2021 , 1	О

511	Evaluating Potential Ecological Risks of Heavy Metals of Textile Effluents and Soil Samples in Vicinity of Textile Industries. 2021 , 5, 63	3
510	Adsorption efficiency of hydroxyapatite synthesised from black tilapia fish scales for chromium (VI) removal. 2021 ,	1
509	Simultaneous evaluation of kinetic release of labile arsenic and phosphorus in agricultural soils using cerium oxide-based DGT. <i>Science of the Total Environment</i> , 2021 , 151039	0.2 0
508	Coupling in vitro assays with sequential extraction to investigate cadmium bioaccessibility in contaminated soils. 2021 , 132655	O
507	Distribution, contents and health risk assessment of metals (loids) in soil and plants growing in the vicinity of an aluminum smelter. 1	2
506	Gas Anomalies in the Air Above the Sulfide Tailings and Adjacent Soils in Komsomolsk Settlement (Kemerovo Region, Russia). 2021 , 232, 1	
505	Risk Assessment and Source Apportionment of Heavy Metals in Soils from Handan City. 2021 , 11, 9615	2
504	Impact of the Illegal Gold Mining Activities on Pra River of Ghana on the Distribution of Potentially Toxic Metals and Naturally Occurring Radioactive Elements in Agricultural Land Soils. 2021 , 4, 1051	3
503	Tracing and quantifying the sources of heavy metals in the upper and middle reaches of the Pearl River Basin: New insights from Sr-Nd-Pb multi-isotopic systems. 2021 , 132630	1
502	Soil and plant contamination by potentially toxic and emerging elements and the associated human health risk in some Egyptian environments. 2021 , 1	1
501	Retrieving zinc concentrations in topsoil with reflectance spectroscopy at Opencast Coal Mine sites. 2021 , 11, 19909	2
500	Distribution and ecological risk assessment of arsenic and some trace elements in soil of different land use types, Tianba Town, China. 2021 , 102041	1
499	Lost but Not Forgotten: Identifying Unmapped and Unlisted Environmental Hazards including Abandoned Mines. 2021 , 13, 11011	0
498	Mapping soil susceptibility to crude oil pollution in the region of Delta, South-South Nigeria: A proportional study of environmetrics, health, ecological risks, and geospatial evaluation. 2021 , 14, e01012	2 1
497	Contamination characteristics, source analysis and health risk assessment of heavy metals in the soil in Shi River Basin in China based on high density sampling. 2021 , 227, 112926	5
496	Removal of Heavy Metal from Wastewater. 2015 , 1-27	
495	Assessment of the Heavy Metal Contamination in Paddy Soils Below Part of the Closed Metalliferous Mine. 2015 , 34, 6-13	3
494	Heavy Metal Accumulation in Edible Part of Eleven Crops Cultivated in Metal Contaminated Soils and Their Bio-concentration Factor. 2015 , 34, 260-267	2

(2020-2017)

493	Sorption Characteristics of Hexavalent Chromium in the Soil Based on Batch Experiment and Their Implications to the Environment. 2017 , 05, 152-164	2
492	Ecotoxicological Dynamics of the Coastal Soil Ecosystem of Oil Producing Regions of Ondo State, Nigeria. 2018 , 08, 250-269	1
491	Nanoparticles for Bioremediation of Heavy Metal Polluted Water. 2018, 220-248	
490	Scaling Up and Cleaning Up the Farmland. 2019 , 65-93	
489	BIKEKMECE GÜÜHAVZASINDA TOPRAK KRLÜNIN CORAFIBÜGISBTEMLERIÜE NCELENMESÜ 2019 , 300-310	
488	Yerlelīm yeri uzaklā balīolarak kiraz bahāsi topraklarāda aā metal durumunun incelenmesi (Lapseki-ānakkale).	
487	Soil Contamination and Remediation. 2020 , 1-13	
486	Risk assessment of Ni, Cr, and Si release from alkaline minerals during enhanced weathering. 2020 , 5, 166-175	5
485	Bioelectrochemical Systems: Principles and Applications. 2020 , 1-33	O
484	Recommended Guidance and Checklist for Human Health Risk Assessment of Metal(loid)s in Soil. 1	2
483	Amine- and thiol-bifunctionalized mesoporous silica material for immobilization of Pb and Cd: Characterization, efficiency, and mechanism. 2021 , 291, 132771	1
482	The content of copper and heavy metals in the multilayer soil mud from the Buchim lake under the Buchim mine's waste dump, Republic North Macedonia. 2020 , 75, 297-304	
481	The Safety of Schools Based on Heavy Metal Concentrations in Classrooms' Dust: A Systematic Review and Meta-Analysis. 2020 , 49, 2287-2294	
480	Ecological and Human Health Risk Assessment of Sediments near to Industrialized Areas along Langat River, Selangor, Malaysia. 2021 , 30, 449-476	1
479	Soil amendments affect the potential of Gomphrena claussenii for phytoremediation of a Zn- and Cd-contaminated soil. 2021 , 288, 132508	1
478	Remediation of iron oxide bound Pb and Pb-contaminated soils using a combination of acid washing agents and l-ascorbic acid 2020 , 10, 37808-37817	O
477	Contamination and toxicity in a subtropical Estuarine Protected Area influenced by former mining activities. 68,	2
476	Microbial Exopolymeric Substances for Metal Removal. 2020 , 225-251	1

475	Differences among Wetland Plants Species in Lead Accumulation and Distribution from Lead-Polluted Wastewater in Constructed Wetlands. 2020 , 09, 186-193		
474	Heavy metal stress and plant life: uptake mechanisms, toxicity, and alleviation. 2020 , 271-287		2
473	Leaching of heavy metals from lead-zinc mine tailings and the subsequent migration and transformation characteristics in paddy soil. 2021 , 132792		4
472	Performance and retention mechanisms of corn silk to atmospheric heavy metal lead. 2021 , 1-11		
471	Modeling distributed metal pollution transport in a mine impacted catchment: Short and long-term effects. <i>Science of the Total Environment</i> , 2021 , 812, 151473	10.2	1
470	Pollution and Risk Assessment of Heavy Metals in the Sediments and Soils around Tiegelongnan Copper Deposit, Northern Tibet, China. 2021 , 2021, 1-13		
469	Metal Pollution Assessment of Surface Water in the Emission Field of the Slovinky Tailing Impoundment (Slovakia). 2021 , 13, 3143		1
468	Exploring metal resistance genes and mechanisms in copper enriched metal ore metagenome.		
467	A Review of Artificial Intelligence Applications in Mining and Geological Engineering. 2021 , 109-142		1
466	Construction of a mApple-D6A3-mediated biosensor for detection of heavy metal ions. 2020 , 10, 213		2
465	Soil Contamination and Remediation. 2021 , 916-928		
464	Interdisciplinary Approaches to Assessing the Health of People Living in Environmentally Adverse Conditions. 2019 , 48, 1627-1635		
463	Metals and oxidative stress in aquatic decapod crustaceans: A review with special reference to shrimp and crabs. 2021 , 242, 106024		3
462	Pollution reduction effect of the digital transformation of heavy metal enterprises under the agglomeration effect. 2022 , 330, 129864		2
461	Experimental study on acoustic emission characteristics of cemented rock-tailings backfill. 2022 , 315, 125278		4
460	Evaluation of early-age thermal cracking resistance of high w/b, high volume fly ash (HVFA) concrete using temperature stress testing machine. 2022 , 16, e00825		2
459	Distribution of some potentially toxic elements in the soils of the Jharia Coalfield: A probabilistic approach for source identification and risk assessment.		О
458	Related health risk assessment of exposure to arsenic and some heavy metals in gold mines in Banmauk Township, Myanmar. 2021 , 11, 22843		1

457	Characterization and Evaluation of Human Health Risk of Heavy Metals in Tin Mine Tailings in Selected Area of Plateau State, Nigeria. 406-413	0
456	Assessment of the pollution levels of potential toxic elements in urban vegetable gardens in southwest China. 2021 , 11, 22824	1
455	Road dust-driven elemental distribution in megacity Dhaka, Bangladesh: environmental, ecological, and human health risks assessment. 2021 , 1	4
454	Health Risk Assessment, Pore Water Chemistry, and Assessment of Trace Metals Transfer from Two Untreated Sewage Sludge Types to Tomato Crop (Lycopersicon esculentum) at Different Application Levels. 2021 , 13, 12394	1
453	Impact of physiochemical properties, microbes and biochar on bioavailability of toxic elements in the soil: a review. 2021 , 1	1
452	A new soil sampling design method using multi-temporal and spatial data fusion. 2021 , 1	
451	Potential Health Risks Associated with the Heavy Metal Content in Commonly Consumed Food from Prakasam District of Andhra Pradesh, India. 2021 , 1	0
450	Supergene geochemistry of arsenic and activation mechanism of eucalyptus to arsenic source. 2021 , 1	
449	Distribution and human health hazard appraisal with special reference to chromium in soils from Peenya industrial area, Bengaluru City, South India. 1	0
448	Comparison and Characterization of Oxidation Resistance and Carbohydrate Content in Cd-Tolerant and -Sensitive Kentucky Bluegrass under Cd Stress. 2021 , 11, 2358	1
447	Root-associated microbiota drive phytoremediation strategies to lead of Sonchus Asper (L.) Hill as revealed by intercropping-induced modifications of the rhizosphere microbiome. 2021 , 1	1
446	Heavy Metal Accumulation in the Surrounding Areas Affected by Mining in China: Spatial Distribution Patterns, Risk Assessment, and Influencing Factors.	
445	Substitution, natural capital and sustainability. 2021 , 18, 115-142	2
444	Three-dimensional graphene/amino-functionalized metal-organic framework for simultaneous electrochemical detection of Cd(II), Pb(II), Cu(II), and Hg(II) 2022 , 414, 1575	2
443	Assessment of oral and dermal health risk exposures associated with contaminated water resources: an update in Ojoto area, southeast Nigeria. 1-21	5
442	Method on site-specific source apportionment of domestic soil pollution across China through public data mining: A case study on cadmium from non-ferrous industries 2021 , 295, 118605	0
441	Potential driving forces and probabilistic health risks of heavy metal accumulation in the soils from an e-waste area, southeast China. 2021 , 289, 133182	5
440	Femtosecond laser filamentation-induced breakdown spectroscopy combined with chemometrics methods for soil heavy metal analysis. 2022 , 251, 168444	4

439	Exploration of the spatially varying relationships between lead and aluminium concentrations in the topsoil of northern half of Ireland using Geographically Weighted Pearson Correlation Coefficient. 2022 , 409, 115640	2	
438	Multi-regional land disturbances induced by mineral use in a product-based approach: A case study of gasoline, hybrid, battery electric and fuel cell vehicle production in Japan. 2022 , 178, 106093	O	
437	An integrated approach to quantify ecological and human health risks of soil heavy metal contamination around coal mining area <i>Science of the Total Environment</i> , 2021 , 152653	10.2 7	
436	Assessment of heavy metal soil pollution in the agricultural land of North Western Bangladesh. 2021 , 10, 221-242		
435	Behavior of major ions and heavy metals risk assessment in spring and surface water on the southwest slope of Mount Cameroon (Western Africa). 2021 , 15, 303-319		
434	Human health risk assessment of lead, cadmium, and mercury co-exposure from agricultural soils in the Tuzla Canton (Bosnia and Herzegovina) 2021 , 72, 268-279	O	
433	Ecological-Health Risks of Potentially Toxic Metals in Mangrove Sediments near Estuaries after Years of Piggery Farming Bans in Peninsular Malaysia. 2022 , 14, 1525	0	
432	Geographical, Sex, Age, and Seasonal Differences in Serum Manganese Status Among Chinese Adults with Hypertension 2022 , 1	0	
431	Distribution, Source Apportionment, and Health Risk Assessment of Heavy Metals in Groundwater in a Multi-mineral Resource Area, North China. 1	0	
430	Heavy metal concentrations differ along wetland-to-grassland soils: a case study in an ecological transition zone in Hulunbuir, Inner Mongolia. 2022 , 22, 1176	0	
429	Risk Identification of Heavy Metals in Agricultural Soils from a Typically High Cd Geological Background Area in Upper Reaches of the Yangtze River 2022 , 1	0	
428	Plant-Based Bioadsorbents: An Eco-friendly Option for Decontamination of Heavy Metals from Soil. 2022 , 113-128		
427	Assessment of the Ecotoxicity of Pollution by Potentially Toxic Elements by Biological Indicators of Haplic Chernozem of Southern Russia (Rostov region) 2022 , 233, 18	4	
426	Stabilization and remediation of heavy metal-contaminated soils in China: insights from a decade-long national survey 2022 , 1	O	
425	Lignin for metal ion remediation in aqueous systems. 2022 , 325-356		
424	Ionomic Profiling of Rice Genotypes and Identification of Varieties with Elemental Covariation Effects. 2022 , 29, 76-88	O	
423	Geological Survey and Comprehensive Analysis of a Dangerous Slope in the Weibei Limestone Mine. 2022 , 2021,		
422	A review of the synthesis and application of zeolites from coal-based solid wastes. 2022 , 29, 1-21	6	

421	Assessment of PTEs in water resources by integrating HHRISK code, water quality indices, multivariate statistics and ANNs. 1-24		2
420	A global perspective of the current state of heavy metal contamination in road dust 2022 , 1		2
419	Distributions and determinants of time spent outdoors among school-age children in China 2022,		2
418	Soil contamination and health risk assessment from heavy metals exposure near mining area in Bac Kan province, Vietnam 2022 , 1		1
417	Effects of mining on the potentially toxic elements in the surrounding soils in China: A meta-analysis <i>Science of the Total Environment</i> , 2022 , 153562	10.2	0
416	Heavy Metal Concentrations of Soil, Rock, and Coal Gangue in the Geological Profile of a Large Open-Pit Coal Mine in China. 2022 , 14, 1020		3
415	Stabilization of heavy metals in biochar derived from plants in antimony mining area and its environmental implications 2022 , 300, 118902		2
414	Soil heavy metal pollution from Pb/Zn smelting regions in China and the remediation potential of biomineralization. 2022 ,		5
413	Environmental assessment of copper production in Europe: an LCA case study from Sweden conducted using two conventional software-database setups. 1		0
412	Health risk assessment and spatial trend of metals in settled dust of surrounding areas of Lake Urmia, NW Iran. 1-14		1
411	The Different Impacts of Emissions and Meteorology on PM2.5 Changes in Various Regions in China: A Case Study. 2022 , 13, 222		0
410	Effect of childhood proximity to lead mining on late life cognition 2022 , 17, 101037		1
409	A critical review on microbe-electrode interactions towards heavy metal ion detection using microbial fuel cell technology 2021 , 347, 126589		2
408	Integrated assessment of the impact of land use types on soil pollution by potentially toxic elements and the associated ecological and human health risk 2022 , 299, 118911		2
407	Characteristics, correlations and health risks of PCDD/Fs and heavy metals in surface soil near municipal solid waste incineration plants in Southwest China 2022 , 298, 118816		3
406	Lead Phytoremediation, Distribution, and Toxicity in Rapeseed (Brassica napus L.): the Role of Single and Combined Use of Plant Growth Regulators and Chelators. 1		О
405	Heavy Metal Distribution and Bioaccumulation Combined With Ecological and Human Health Risk Evaluation in a Typical Urban Plateau Lake, Southwest China. 2022 , 10,		1
404	Origin and risk assessment, and evaluation of heavy metal pollution in the soil and air of Tehran (case study: central district in Tehran city). 1		

403	Contamination Levels and the Ecological and Human Health Risks of Potentially Toxic Elements (PTEs) in Soil of Baoshan Area, Southwest China. 2022 , 12, 1693	1
402	Biochar, slag and ferrous manganese ore affect lead, cadmium and antioxidant enzymes in water spinach (Ipomoea aquatica) grown in multi-metal contaminated soil. 2022 ,	1
401	Leaching Experiments and Risk Assessment to Explore the Migration and Risk of Potentially Toxic Elements in Soil from Black Shale.	О
400	Multi-media compartments for assessing ecological and health risks from concurrent exposure to multiple contaminants on Bhola Island, Bangladesh. 2022 , 8, 134-150	O
399	Nanocelluloses for Removal of Heavy Metals From Wastewater. 2022 , 1-42	
398	Evaluation of Heavy Metal Availability in Soils Near Former Zinc Smelters by Chemical Extractions and Geochemical Modelling.	
397	Analysis of Spatially Distributed Data in Internet of Things in the Environmental Context 2022, 22,	
396	Floodplain soils contamination assessment using the sequential extraction method of heavy metals from past mining activities 2022 , 12, 2927	1
395	A comparative study of soil metal concentrations in Chilean urban parks using four pollution indexes. 2022 , 105230	1
394	Senegalia senegal (L.) Britton Response to Microbial and Manure Amendments for the Rehabilitation of Waste Rock Dumps in the Essakane Gold Mining Site, Burkina Faso. 2022 , 10,	
393	Health Risk Assessment for the Residential Area Adjacent to a Former Chemical Plant 2022, 19,	0
392	Effects of Agriculture and Animal Husbandry on Heavy Metal Contamination in the Aquatic Environment and Human Health in Huangshui River Basin. 2022 , 14, 549	2
391	Priority Soil Pollution Management of Contaminated Site Based on Human Health Risk Assessment: A Case Study in Southwest China. 2022 , 14, 3663	1
390	Beneficial Role of Selenium (Se) Biofortification in Developing Resilience Against Potentially Toxic Metal and Metalloid Stress in Crops: Recent Trends in Genetic Engineering and Omics Approaches. 1	1
389	Distribution, Genesis, and Human Health Risks of Groundwater Heavy Metals Impacted by the Typical Setting of Songnen Plain of NE China 2022 , 19,	2
388	Assessment of Bioaccessibility and Health Risks of Toxic Metals in Roadside Dust of Dhaka City, Bangladesh. 2022 , 13, 488	1
387	Potentially toxic Metal Loads in Soils Supporting Medicinal Plants in the Ashanti Region of Ghana. 1	
386	A Sustainable Approach towards Disposable Face Mask Production Amidst Pandemic Outbreaks. 2022 , 14, 3849	1

385	Effect of pH on the morphology of magnetite nanoparticles for adsorption of Cr(VI) ions from aqueous medium. 1-8	
384	Diversity and Vertical Distribution of Sedimentary Bacterial Communities and Its Association with Metal Bioavailability in Three Distinct Mangrove Reserves of South China. 2022 , 14, 971	Ο
383	Development of spray-drying-based surface-enhanced Raman spectroscopy 2022 , 12, 4511	О
382	Quantitative Analysis of the Interactions of Metal Complexes and Amphiphilic Systems: Calorimetric, Spectroscopic and Theoretical Aspects 2022 , 12,	Ο
381	Evaluating a Sampling Regime for Estimating the Levels of Contamination and the Sources of Elements in Soils Collected from a Rapidly Industrialized Town in Guangdong Province, China 2022 , 82, 403	
3 80	Distribution of heavy metals in surface soil near a coal power production unit: potential risk to ecology and human health 2022 , 194, 263	O
379	Evolution of Opencast Mines in the Raniganj Coalfield (India): An Assessment through Multi-temporal Satellite Data. 2022 , 98, 387-394	0
378	Effects of cadmium contamination on bacterial and fungal communities in Panax ginseng-growing soil 2022 , 22, 77	Ο
377	Relationship between cumulative exposure to metal mixtures and heart rate among Chinese preschoolers 2022 , 134548	0
376	Topsoil heavy metals status and potential risk assessment around the cement factories in Chhatak, Bangladesh. 1	Ο
375	Source apportionment and risk assessment of soil heavy metals around a key drinking water source area in northern China: multivariate statistical analysis approach 2022 , 1	2
374	Identification of the sources and influencing factors of the spatial variation of heavy metals in surface sediments along the northern Jiangsu coast. 2022 , 137, 108716	Ο
373	Phytoremediation of heavy metal pollution: Hotspots and future prospects 2022 , 234, 113403	2
372	The CNRIEEEMC: A communication-navigation-remote sensing-integrated ecological environment emergency monitoring chain for tailings areas. 2022 , 108, 102710	O
371	Modeling the transport behavior of Pb(II), Ni(II) and Cd(II) in the complex heavy metal pollution site under the influence of coexisting ions. 2022 ,	0
370	Application of an innovative narrow band vegetation index to corn leaves to explore the characteristics of corn spectra under Cu2+ stress. 2022 , 13, 579-587	
369	Soil contamination with cadmium and potential risk around various mines in China during 2000-2020 2022 , 310, 114509	5
368	Heavy metal accumulation in the surrounding areas affected by mining in China: Spatial distribution patterns, risk assessment, and influencing factors <i>Science of the Total Environment</i> , 2022 , 825, 154004	3

367	Concentrations and isotopic analysis for the sources and transfer of lead in an urban atmosphere-plant-soil system 2022 , 311, 114771	0
366	Mutation of NtNRAMP3 improves cadmium tolerance and its accumulation in tobacco leaves by regulating the subcellular distribution of cadmium 2022 , 432, 128701	О
365	Review of soil heavy metal pollution in China: Spatial distribution, primary sources, and remediation alternatives. 2022 , 181, 106261	12
364	Reclamation of post-tin mining areas using forages: A strategy based on soil mineralogy, chemical properties and particle size of the refused materials. 2022 , 213, 106140	
363	Synergistic effect of underwater arc discharge plasma and Fe2O3-CoFe2O4 enhanced PMS activation to efficiently degrade refractory organic pollutants. 2022 , 290, 120834	0
362	Characterization of the spatial and temporal distribution of lead around a battery industrial park by LA-SPAMS 2022 , 298, 134291	
361	Rapid ultrasensitive detection of hexavalent chromium in soil and groundwater by a microProbing imaging platform 2022 , 433, 128809	0
3 60	Concentration and risk of contamination with trace elements in acipenserid and salmonid roe. 2022 , 110, 104525	1
359	Polyethyleneimine/hydrated titanium oxide-functionalized fibrous adsorbent for removing cobalt: Adsorption performance and irradiation stability 2022 , 112916	1
358	Effects of heavy metals on bacterial community structures in two lead-zinc tailings situated in northwestern China 2021 , 204, 78	1
357	Quantitative Impact Analysis of Climate Change on Residents' Health Conditions with Improving Eco-Efficiency in China: A Machine Learning Perspective. 2021 , 18,	0
356	Lead content in soil, plants, rodents, and amphibians in the vicinity of a heating plant's ash waste. 2021 , 194, 21	О
355	Assessment of natural radionuclides and heavy metals contamination to the environment: Case study of Malaysian unregulated tin-tailing processing industry. 2021 ,	0
354	Attapulgite supported nanoscale zero-valent iron in wastewater treatment and groundwater remediation: synthesis, application, performance and limitation. 2022 , 11, 1-17	О
353	Assessments of the Ecological and Health Risks of Potentially Toxic Metals in the Topsoils of Different Land Uses: A Case Study in Peninsular Malaysia 2021 , 11,	1
352	Grafted PVDF Particles for Efficient Removal of Trace Lead (II) Ions in Aqueous Solution. 2021 , 232, 1	
351	Estimation of the biosorption potential of certain representatives of the genus Bacillus in interaction with lead cation in vitro.	
350	Investigation of Vegetation Changes in Different Mining Areas in Liaoning Province, China, Using Multisource Remote Sensing Data. 2021 , 13, 5168	1

349	Assessing ecological risks and probable sources of Cu, Zn, and Mn in River Tana sediments, Kenya. 1-16	1
348	Influence of Soil Layer Management Via Soil Reversal on the Cd and Pb Bioavailability to Rice (Oryza sativa L.) in the Mining-Impacted Soil. 2020 , 53, 209-221	O
347	The environmental risk assessment of urban soils pollution with trace elements in the Arkhangelsk industrial agglomeration. 2022 , 1010, 012079	
346	Response of microbial community structure to chromium contamination in Panax ginseng-growing soil 2022 , 1	1
345	Spatial distribution patterns and sources for potential toxic elements in soil in the Daxing District, Beijing, China. 2022 , 15, 1	
344	Assessment of metal concentrations from recreational rivers in a tropical region (Jengka, Malaysia). 2022 , 12, 1	
343	A Multifunctional Microspheric Soil Conditioner Based on Chitosan-Grafted Poly(acrylamideacrylic acid)/Biochar 2022 ,	0
342	Nickel mine soil is a potential source for soybean plant growth promoting and heavy metal tolerant rhizobia 2022 , 10, e13215	3
341	Table_1.doc. 2019 ,	
340	Image_1.pdf. 2020 ,	
339	Table_1.xlsx. 2020 ,	
338	Data_Sheet_1.PDF. 2019 ,	
337	Data_Sheet_2.PDF. 2019 ,	
336	Data_Sheet_3.PDF. 2019 ,	
335	Table_1.XLSX. 2019 ,	
334	Table_2.XLSX. 2019 ,	
333	Table_3.XLSX. 2019 ,	
332	Table_4.xlsx. 2019 ,	

331	Table_5.xlsx. 2019 ,	
330	Table_6.xlsx. 2019 ,	
329	Table_7.xlsx. 2019 ,	
328	Data_Sheet_1.docx. 2020 ,	
327	A PETAR method for risk assessment of human health and environment on the regional scale 2022	
326	Application of laser-induced breakdown spectroscopy with generalized regression neural network and LASSO-type methods for estimation arsenic and chromium in soil.	1
325	No Pain, No Gain? Mining Pollution and Morbidity.	
324	Heavy Metal Contamination of Soil, Sediment and Water Due to Galena Mining in Ebonyi State Nigeria: Economic Costs of Pollution Based on Exposure Health Risks.	
323	Three-season rotation of chicory-tobacco-peanut with high biomass and bioconcentration factors effectively remediates cadmium-contaminated farmland 2022 ,	0
322	Research Progress on Heavy Metals Pollution in the Soil of Smelting Sites in China. 2022 , 10, 231	5
321	Comparison of heavy metals in urban soil and dust in cities of China: characteristics and health risks. 1	1
320	Environmental pollution, ecological and human health risk assessment of heavy metals in rice farming system near the Buriganga River in Dhaka, Bangladesh. 1-20	2
319	Enhancing network complexity and function of soil bacteria by thiourea-modified biochar under cadmium stress in post-mining area 2022 , 302, 134811	0
318	Assessment and source apportionment of water-soluble heavy metals in road dust of Zhengzhou, China 2022 ,	O
317	Assessment of heavy metals in wastewater plant effluent and lake water by using atomic absorption spectrophotometry. 2022 ,	
316	Mining-Related Metal Pollution and Ecological Risk Factors in South-Eastern Georgia. 2022 , 14, 5621	1
315	Source identification and ambient trace element concentrations of PM10 using receptor modeling in an urban area of Chhattisgarh, India. 1-27	
314	Health risk assessment associated with heavy metals through fractioned dust from coal and chromite mines in Pakistan 2022 ,	O

313	Sustainable Strategies for the Agricultural Development of Shaanxi Province Based on the Risk Assessment of Heavy Metal Pollution. 2022 , 11, 1409		1
312	Environmental occurrence and health risk assessment of arsenic in Iran: a systematic review and Meta-analysis. 1-28		O
311	Stabilization of heavy metals from lead-zinc ore tailings with sodium diethyl dithiocarbamate functionalized montmorillonite (DDTC-Mt): Leaching characteristics and remediating mechanism. 2022 , 183, 107608		О
310	Sustainable and long-term management of municipal solid waste: A review. 2022 , 18, 101067		Ο
309	Metal-algae interaction contributes to the water environment heterogeneity in an urbanized river. 2022 , 139, 108875		0
308	Simultaneous removal of Sb(III) and Sb(V) from mining wastewater by reduced graphene oxide/bimetallic nanoparticles <i>Science of the Total Environment</i> , 2022 , 836, 155704	10.2	1
307	Perspectives for phytoremediation capability of native plants growing on Angouran Pb-Zn mining complex in northwest of Iran 2022 , 315, 115184		0
306	Contamination and source-specific risk analysis of soil heavy metals in a typical coal industrial city, central China <i>Science of the Total Environment</i> , 2022 , 155694	10.2	1
305	Insights into the spatiotemporal differences in tailings seepage pollution by assessing the diversity and metabolic functions of the soil microbial community 2022 , 306, 119408		0
304	Ecological risk assessment of toxic metal(loid)s for land application of sewage sludge in China <i>Science of the Total Environment</i> , 2022 , 836, 155549	10.2	1
303	Predictive model of heavy metals inputs to soil at Kryvyi Rih District and its use in the training for specialists in the field of Biology. 2021 ,		
302	Predictive Model of Heavy Metals Inputs to Soil at Kryvyi Rih District and its Use in the Training for Specialists in the Field of Biology. 2021 ,		
301	Remediation of the soil contaminated by heavy metals with nano-hydroxy iron phosphate coated with fulvic acid 2022 , 1-23		
300	Cadmium removal potential of hyperaccumulator Solanum nigrum L. under two planting modes in three years continuous phytoremediation. 2022 , 119493		1
299	Pollution Characteristics and Spatial Distribution of Heavy Metals in Coal-Bearing Sandstone Soil: A Case Study of Coal Mine Area in Southwest China. 2022 , 19, 6493		1
298	Biological Toxicity of Heavy Metal(loid)s in Natural Environments: From Microbes to Humans. 2022 , 10,		1
297	Toward healthy and liveable cities: a new framework linking public health to urbanization.		
296	Bioimmobilization of lead in phosphate mining wasteland by isolated strain Citrobacter farmeri CFI-01. 2022 , 307, 119485		O

295	Source Apportionment of Heavy Metal Contamination in Urban-Agricultural-Aquacultural Soils near the Bohai Bay Coast, Using Land-Use Classification and Google Satellite Tracing. 2022 , 14, 2436	O
294	Pollution characteristics and environmental availability of toxic elements in soil from an abandoned arsenic-containing mine. 2022 , 135189	1
293	Farmers[Adaptive Behaviors to Heavy Metal-Polluted Cultivated Land in Mining Areas: The Influence of Farmers[Characteristics and the Mediating Role of Perceptions. 2022, 19, 6718	1
292	Ecological Health Risk Assessment and Source Identification of Heavy Metals in Surface Soil Based on a High Geochemical Background: A Case Study in Southwest China. 2022 , 10, 282	1
291	Environmental infrastructure and urban residents (well-being: a system dynamics approach. 1-27	
29 0	Herd It in the Gobi: Deserting Pastoralism?. 2022 , 11, 799	Ο
289	Leaf Functional Traits of Invasive Grasses Conferring High-Cadmium Adaptation Over Natives. 2022 , 13,	1
288	Evaluation of heavy metal availability in soils near former zinc smelters by chemical extractions and geochemical modelling. 2022 , 423, 115970	O
287	Source-specific risk assessment for cadmium in wheat and maize: Towards an enrichment model for China. 2023 , 125, 723-734	0
286	Application of biochar for attenuating heavy metals in contaminated soil: potential implications and research gaps. 2022 , 77-110	
285	Spatial variability and source analysis of typical soil trace elements at permafrost section along national highway 214 in the eastern Qinghaillibet Plateau.	0
284	Knowledge Mapping of the Phytoremediation of Cadmium-Contaminated Soil: A Bibliometric Analysis from 1994 to 2021. 2022 , 19, 6987	1
283	Apportionment and Spatial Pattern Analysis of Soil Heavy Metal Pollution Sources Related to Industries of Concern in a County in Southwestern China. 2022 , 19, 7421	1
282	Characteristics of heavy metal migration in farmland. 2022 , 81,	O
281	Agronomic effectiveness of recovered phosphate fertilizer produced from incinerated sewage sludge ash.	O
280	MALM-based induced polarization method for heavy metal pollution leakage monitoring: methodology and modeling results. 1-51	
279	Farmers daptation to heavy metal pollution in farmland in mining areas: The effects of farmers perceptions, knowledge and characteristics. 2022 , 132678	1
278	Transcriptome analysis reveals candidate genes involved in multiple heavy metal tolerance in hyperaccumulator Sedum alfredii. 2022 , 241, 113795	O

277	Micro-dynamic process of cadmium removal by microbial induced carbonate precipitation. 2022 , 308, 119585	1
276	Gradient rise in seepage pollution levels in tailings ponds shapes closer linkages between phytoplankton and bacteria. 2022 , 437, 129432	O
275	Heavy metal pollution in agricultural soils of a typical volcanic area: Risk assessment and source appointment. 2022 , 304, 135340	1
274	Nanocelluloses for Removal of Heavy Metals From Wastewater. 2022 , 891-931	
273	Construction of Dual-Imprinted Uio-66s for Highly Efficient and Synergistic Co-Adsorption of Diclofenac Sodium and Cu(Ii).	
272	Metal Contents and Pollution Indices Assessment of Surface Water, Soil, and Sediment from the Ariel River Basin Mining Area, Romania. 2022 , 14, 8024	O
271	Heavy metal(loid)s contaminations in soils of Pakistan: a review for the evaluation of human and ecological risks assessment and spatial distribution.	О
270	Geochemistry of subsurface water of Swabi district and associated health risk with heavy metal contamination. 2022 , 194,	1
269	Unsupervised pattern-recognition and radiological risk assessment applied to the evaluation of behavior of rare earth elements, Th, and U in monazite sand.	О
268	EcologicalHealth Risk Assessments of Copper in the Sediments: A Review and Synthesis. 2022 , 2, 269-288	
267	Multi-walled carbon nanotube-modified hydrothermal carbon: A potent carbon material for efficient remediation of cadmium-contaminated soil in coal gangue piling site. 2022 , 135605	O
266	Perspective Chapter: Application of Environmental Epidemiology for Exposure and Health Risk Assessment.	
265	A Bibliometric Analysis of the Scientific Research on Artisanal and Small-Scale Mining. 2022 , 19, 8156	О
264	Spatial Distribution of Soil Heavy Metals and Associated Environmental Risks near Major Roads in Southern Tibet, China. 2022 , 19, 8380	2
263	Assessment of Soil-Heavy Metal Pollution and the Health Risks in a Mining Area from Southern Shaanxi Province, China. 2022 , 10, 385	2
262	Identification of heavy metal pollutants and their sources in farmland: an integrated approach of risk assessment and X-ray fluorescence spectrometry. 2022 , 12,	1
261	Effects of Heavy Metal-Polluted Soil (Pb, Zn, and Cd) on Seed Emergence, Seedling Growth, and Antioxidant Activity in Four Fabaceae Species. 2022 , 233,	
260	Utilization of Straw Resources May Affect the Speciation of Cd and Its Solubility in Cd-Contaminated Paddy Soil. 10,	

259	Implications of toxicity testing for health risk assessment of vapor-phase and PM2.5-bound polycyclic aromatic hydrocarbons during the diesel engine combustion. 1-24		
258	Dominant roles of torrential floods and atmospheric deposition revealed by quantitative source apportionment of potentially toxic elements in agricultural soils around a historical mercury mine, Southwest China. 2022 , 242, 113854		O
257	Dynamics of fungal and bacterial communities in different types of soil ageing with different dosages of cadmium. 2022 , 242, 113860		0
256	Contamination and eco-risk assessment of toxic trace elements in lakebed surface sediments of Lake Yangzong, southwestern China. <i>Science of the Total Environment</i> , 2022 , 843, 157031	10.2	O
255	Leaching experiments and risk assessment to explore the migration and risk of potentially toxic elements in soil from black shale. <i>Science of the Total Environment</i> , 2022 , 844, 156922	10.2	1
254	Bioavailability and health risk of toxic heavy metals (As, Hg, Pb and Cd) in urban soils: A Monte Carlo simulation approach. 2022 , 214, 113772		1
253	Direct Shear Strength Characteristics in Unsaturated Compacted Soil Surface Coverage on Pb(II)-Polluted Tailings Reservoir under Low Normal Stress. 2022 , 14, 9035		
252	Health Risk Assessment of Post-mining Hg-As-Contaminated Soil: Implications for Land Remediation. 2022 , 233,		О
251	Forecasting PM_{2.5} emissions in open-pit minesusing a functional link neural network optimized by various optimization algorithms. 2022 , 7, 111-125		
250	Pollution Characteristics, Spatial Distribution, and Health Risk Assessment of Soil Heavy Metal(loid)s in Panxi District, Southwest China: A Typical Industrial City. 1-20		O
249	Impact of tourism activities on the distribution and pollution of soil heavy metals in natural scenic spots on the northern slope of Tianshan Mountain. 2022 , 17, e0267829		О
248	Information interventions and health promotion behavior: evidence from China after cadmium rice events. 1-16		
247	Towards sustainable and efficient land development: risk of soil trace metal(loid)s in abandoned gold mines with short-term rehabilitation and potential value for targeted remediation.		
246	Long-term stabilization of lead contaminated soil with a novel dithiocarboxylate functionalized hyperbranched polymer. 2022 , 108214		О
245	Groundwater characterization and non-carcinogenic and carcinogenic health risk assessment of nitrate exposure in the Mahanadi River Basin of India. 2022 , 319, 115746		1
244	Phytoremediation of heavy metal contaminated soil in association with arbuscular mycorrhizal fungi. 2022 , 207-230		
243	Pollution and health risk assessment of trace metal in vegetable field soils in the Eastern Nile Delta, Egypt. 2022 , 194,		O
242	Heavy metal pollution in the soil of a riverine basin: distribution, source, and potential hazards. 2022 , 194,		O

Hyperspectral estimation of petroleum hydrocarbon content in soil using ensemble learning method and LASSO feature extraction. 2022 , 34, 308-320	
High Ecological Health Risks of Potentially Toxic Metals in Polluted Drainage Sediments: Is There a Need for Public Concern during Flash Floods?. 2022 , 14, 2316	
Tetrasodium iminodisuccinate as a biodegradable complexing agent for remediating metal-contaminated soil.	
Environmental impact and health risk assessment of potentially toxic metals emanating from different anthropogenic activities related to E-wastes. 2022 , e10296	О
Heavy Metal Pollution and Health Risk Assessment of VegetableBoil Systems of Facilities Irrigated with Wastewater in Northern China. 2022 , 19, 9835	О
Seasonal variation of heavy metals in suspended sediments downstream the Three Gorges Dam in the Yangtze River. 2022 , 194,	1
Evaluation of dendroremediation potential of ten Quercus spp. for heavy metals contaminated soil: A three-year field trial. 2022 , 158232	1
Concentrations of heavy metals in water, sediments and aquatic organisms from a closed realgar mine.	O
The utilization of biochar alone and in combination with compost for removal of potentially toxic metals accumulated in soils associated with land-use patterns.	
Composition, Source Apportionment, and Health Risk of PM2.5-Bound Metals during Winter Haze in Yuci College Town, Shanxi, China. 2022 , 10, 467	0
Spatial distribution, ecological risk, and human health assessment of heavy metals in lake surface sections 🖟 case study of Qinghai Lake, China.	
Source Identification and Health Risk Assessment of Heavy Metals in Soil: A Case Study of Lintancang Plain, Northeast China. 2022 , 19, 10259	
Uncertainty Analysis in Receptor Model with Sources Identification and Risks Apportionment of Toxic Metal(oid)s in Agricultural Soils Around Industrial Areas in Bangladesh. 2022 , 233,	О
Wastewater Application in Agriculture-A Review. 2022 , 233,	
Phytoextraction of Cu, Cd, Zn and As in four shrubs and trees growing on soil contaminated with mining waste. 2022 , 136146	
Combination of enrichment factor and positive matrix factorization in the estimation of potentially toxic element source distribution in agricultural soil.	O
Enhanced Electrokinetic Remediation of Copper-Contaminated Soil by Combining Steel Slag and a Permeable Reactive Barrier. 2022 , 12, 7981	O

223	Contamination level, source identification and health risk assessment of potentially toxic elements in drinking water sources of mining and non-mining areas of Khyber Pakhtunkhwa, Pakistan.	О
222	Soil Enzyme Activities and Enzyme Activity Indices in Long-Term Arsenic-Contaminated Soils.	О
221	Heavy Metal Contamination and Ecological Risk Assessment in Soils of the Pawara Gold Mining Area, Eastern Cameroon. 2022 , 3, 907-924	0
220	Source apportionment and risk assessment of heavy metals in urban soils from a central China city by using positive matrix factorization model coupled with Monte Carlo simulation.	O
219	Concentrations of Pb and Other Associated Elements in Soil Dust 15 Years after the Introduction of Unleaded Fuel and the Human Health Implications in Pretoria, South Africa. 2022 , 19, 10238	O
218	Effects of composite environmental materials on the passivation and biochemical effectiveness of Pb and Cd in soil: Analyses at the ex-planta of the Pak-choi root and leave. 2022 , 309, 119812	o
217	Construction of dual-imprinted UiO-66's for highly efficient and synergistic Co-adsorption of diclofenac sodium and Cu(II). 2022 , 300, 121901	0
216	Evaluating sample sizes and design for monitoring and characterizing the spatial variations of potentially toxic elements in the soil. 2022 , 847, 157489	О
215	Heavy metal contamination of soil, sediment and water due to galena mining in Ebonyi State Nigeria: Economic costs of pollution based on exposure health risks. 2022 , 321, 115864	0
214	Contamination characteristics, coexistence relationships and health risk assessment of dioxins and metals in topsoil around municipal solid waste incinerator in Hainan, China. 10,	O
213	Heavy metal(loid)s in agricultural soils in the world largest barium-mining area: Pollution characteristics, source apportionment, and health risks using PMF model and Cd isotopes. 2022 , 166, 669-681	0
212	Multiple trace elements exposure of Grey-cheeked Fulvettas Alcippe morrisonia, a nuclear member in bird mixed-species flocks, and implications for bioindicator. 2022 , 244, 114063	O
211	Identification of the disturbed range of coal mining activities: A new land surface phenology perspective. 2022 , 143, 109375	0
210	Does Moringa Oleifera affect element accumulation patterns and lead toxicity in SpragueDawley rats?. 2022 , 97, 105242	o
209	An ecological remediation model combining optimal substrate amelioration and native hyperaccumulator colonization in non-ferrous metal tailings pond. 2022 , 322, 116141	1
208	Heavy metal pollution in the soil of contaminated sites in China: Research status and pollution assessment over the past two decades. 2022 , 373, 133780	O
207	Indigenous rhizosphere microbial community characteristics of the phytostabilizer Athyrium wardii (Hook.) grown in a Pb/Zn mine tailing. 2022 , 308, 136552	0
206	Pollution, sources, and human health risk assessment of heavy metals in urban areas around industrialization and urbanization-Northwest China. 2022 , 308, 136396	2

205	Subcellular localization and compartment-specific toxicokinetics of cadmium, arsenic, and zinc in brandling worm Eisenia fetida. 2022 , 308, 136482	1
204	Sources, transfers and the fate of heavy metals in soil-wheat systems: The case of lead (Pb)/zinc (Zn) smelting region. 2023 , 441, 129863	2
203	Mining Safety Research in China: Understanding Safety Research Trends and Future Demands for Sustainable Mining Industry.	0
202	Phytoremediation using arbuscular mycorrhizal fungi. 2022 , 73-92	0
201	Heavy metals in the chemical composition of edible plants and game animals living in reclaimed areas. 2022 ,	0
200	Assessment of Ecological and Human Health Risk of Soil Heavy Metals Pollution: Study from Chotanagpur Plateau Region, India. 2022 , 673-695	O
199	Assessment of cause-specific mortality and disability-adjusted life years (DALYs) induced by exposure to inorganic arsenic through drinking water and foodstuffs in Iran. 2023 , 856, 159118	1
198	Contamination Assessment and Chemical Speciation of Lead in Soils and Sediments: A Case Study in Aguascalientes, Mkico. 2022 , 12, 8592	1
197	Microbial endophytes and compost improve plant growth in two contrasting types of hard rock mining waste. 1-8	0
196	Response of Castor Seedling Roots to Combined Pollution of Cd and Zn in Soils. 2022 , 14, 10702	O
195	Effects of Bentonite Addition on the Speciation and Mobility of Cu and Ni in Soils from Old Mine Tailings. 2022 , 14, 10878	0
194	Data analysis of the Gumusler Dam Lake Reservoir soils using multivariate statistical methods (Nigde, TĒkiye).	O
193	AQDS Activates Extracellular Synergistic Biodetoxification of Copper and Selenite via Altering the Coordination Environment of Outer-Membrane Proteins. 2022 , 56, 13786-13797	0
192	Contamination and risk assessment of heavy metals in coastal sediments from the Mid-Black Sea, Turkey.	O
191	Source Identification and Superposition Effect of Heavy Metals (HMs) in Agricultural Soils at a High Geological Background Area of Karst: A Case Study in a Typical Watershed. 2022 , 19, 11374	2
190	An Indirect Inversion Scheme for Retrieving Toxic Metal Concentrations Using Ground-Based Spectral Data in a Reclamation Coal Mine, China. 2022 , 14, 2784	0
189	Heavy Metals in Alcoholic Beverages Consumed in Awka, South-East Nigeria: Carcinogenic and Non-carcinogenic Health Risk Assessments.	1
188	Health risk assessment of heavy metals in soils and food crops from a coexist area of heavily industrialized and intensively cropping in the Chengdu Plain, Sichuan, China. 10,	1

187	Impact of old environmental burden in the Spilregion (Slovakia) on soil and home-grown vegetable contamination, and health effects of heavy metals. 2022 , 12,	O
186	Human carcinogenic risk analysis and utilization of shale gas water-based drilling cuttings in road materials.	O
185	Pollution characteristics of soil heavy metals around two typical copper mining and beneficiation enterprises in Northwest China. 2022 , 194,	o
184	Overview assessment of risk evaluation and treatment technologies for heavy metal pollution of water and soil. 2022 , 134043	8
183	Cumulative Impacts of Diverse Land Uses in British Columbia, Canada: Application of the EnviroScreen[Method. 2022 , 19, 11171	O
182	Estimation of the Enzymatic Activity of Haplic Chernozem under Contamination with Oxides and Nitrates of Ag, Bi, Te and Tl. 2022 , 12, 2183	О
181	Global Research on Contaminated Soil Remediation: A Bibliometric Network Analysis. 2022, 11, 1581	1
180	Effects of Straw Return and Moisture Condition on Temporal Changes of DOM Composition and Cd Speciation in Polluted Farmland Soil. 2022 , 19, 12128	О
179	Curing effects of fly ash-based geopolymer on soils around mining areas: properties and mechanisms. 2022 , 81,	O
178	Assessment of the Pollution of Soil Heavy Metal(loid)s and Its Relation with Soil Microorganisms in Wetland Soils. 2022 , 14, 12164	О
177	Ecological Impact and Human Health Risk Assessment of Pumpkin and Spinach Cultivated around Non- mining Axes of Asu River Group.	O
176	Application of Smart Glasses for Field Workers Performing Soil Contamination Surveys with Portable Equipment. 2022 , 14, 12370	O
175	Remediation of Heavy Metal Contaminated Farmland Soil by Biodegradable Chelating Agent GLDA. 2022 , 12, 9277	0
174	Assessing the state of rainwater for consumption in a community in dire need of clean water: human and health risk using HERisk.	1
173	The role of zinc to mitigate heavy metals toxicity in crops. 10,	O
172	Determination of Concentration of Metals in Grapes Grown in Gonabad Vineyards and Assessment of Associated Health Risks.	1
171	A novel approach for occupational health risk assessment and its application to the welding project. 2022 , 134590	0
170	Spatial distribution and source identification of heavy metals in European mountain beech forests soils. 2022 , 309, 136662	1

169	Effects of the presence of phosphate buffer solution on removal efficiency of Pb and Zn in soil by solid phase microbial fuel cells.	O
168	Estimation of multi-media metal(loid)s around abandoned mineral processing plants using hyperspectral technology and extreme learning machine.	O
167	Investigation of the Distribution of Heavy Metals in the Soil of the Dahuangshan Mining Area of the Southern Junggar Coalfield, Xinjiang, China. 2022 , 12, 1332	1
166	Environmental Contamination and Health Risk Assessment to Toxic Elements in an Active Lead Z inc Mining Area.	O
165	Contamination and Health Risk Assessment of Heavy Metals in Soil and Ditch Sediments in Long-Term Mine Wastes Area. 2022 , 10, 607	O
164	Comparison of Pollution Characteristics and Magnetic Response of Heavy Metals in Dustfall before and after COVID-19 Outbreak in Shanghai. 2022 , 12, 10853	O
163	Development of a regional feature selection-based machine learning system (RFSML v1.0) for air pollution forecasting over China. 2022 , 15, 7791-7807	O
162	Assessing Pb-Cr Pollution Thresholds for Ecological Risk and Potential Health Risk in Selected Several Kinds of Rice. 2022 , 10, 645	O
161	Spatial Pattern, Sources Identification, and Risk Assessment of Heavy Metals in a Typical Soda Soil from Bayannur, Northeastern China. 2022 , 19, 13880	0
160	Radionuclides and Metals in the Parks of the City of Belgrade, Serbia: Spatial Distribution and Health Risk Assessment. 2022 , 13, 1648	1
159	Impact of Land Cover Change on a Typical Mining Region and Its Ecological Environment Quality Evaluation Using Remote Sensing Based Ecological Index (RSEI). 2022 , 14, 12694	2
158	Remediation of Chromium (VI) from Contaminated Agricultural Soil Using Modified Biochars.	O
157	Vertical distribution and health risk assessment of heavy metals in soils around tin ore areas in Yunnan, China. 1-14	О
156	Concentration, sources, potential ecological and human health risks assessment of trace elements in roadside soil in Hamedan metropolitan, west of Iran. 1-24	O
155	Source-oriented Probabilistic Health Risk Assessment of Soil Potentially Toxic Elements in A Typical Mining City. 2022 , 130222	1
154	Human-Health and Environmental Risks of Heavy Metal Contamination in Soil and Groundwater at a Riverside Site, China. 2022 , 10, 1994	O
153	Profiling and occupational health risk assessment study on coal ashes in terms of polycyclic aromatic hydrocarbons (PAHs). 1-14	O
152	Heavy metal(loid)s in agricultural soil from main grain production regions of China: Bioaccessibility and health risks to humans. 2022 , 159819	O

151	Dissolved Heavy Metal Pollution and Assessment of a Karst Basin around a Mine, Southwest China. 2022 , 19, 14293	1
150	Pyrolysis kinetics and environmental risks of oil-based drill cuttings at Chinal largest shale gas exploitation site. 2022 , 246, 114189	O
149	Adaptation of rhizosphere and endosphere microbiome to heavy metal pollution in castor bean. 2022 , 24, 100618	О
148	Regional metal pollution risk assessment based on a long short-term memory model: A case study of the South Altai Mountain mining area, China. 2022 , 379, 134755	O
147	Honokiol reduces cadmium-induced oxidative injury and endosomal/lysosomal vacuolation via protecting mitochondrial function in quail (Coturnix japonica) liver tissues. 2023 , 857, 159626	О
146	Exposure to construction dust and health impacts [A review. 2023 , 311, 136990	O
145	Metal(loid)-specific sources and distribution mechanisms of riverside soil contamination near an abandoned gold mine in Mongolia. 2023 , 443, 130294	О
144	A Dynamic Neural Network Optimization Model for Heavy Metal Content Prediction in Farmland Soil. 2022 , 1-1	O
143	Effect of natural organic matter on Cr(VI) reduction by reduced nontronite. 2023, 615, 121198	О
142	Research on health risk assessment of heavy metals in soil based on multi-factor source apportionment: A case study in Guangdong Province, China. 2023 , 858, 159991	2
141	Organic acid, phosphate, sulfate and ammonium co-metabolism releasing insoluble phosphate by Klebsiella aerogenes to simultaneously stabilize lead and cadmium. 2023 , 443, 130378	О
140	Soil microbial communities and their co-occurrence networks in response to long-term Pb I n contaminated soil in southern China.	O
139	Improved Spectroscopic Characterizations of Laser-Induced Soil Plasma Under Magnetic Effect at Various Laser Fluences.	0
138	Towards an integrated health risk assessment framework of soil heavy metals pollution: Theoretical basis, conceptual model, and perspectives. 2022 , 120596	1
137	Effect of different amounts of fruit peel-based activator combined with phosphate-solubilizing bacteria on enhancing phytoextraction of Cd from farmland soil by ryegrass. 2022 , 120602	1
136	Heavy metal accumulation in leaves of selected plant species in urban areas of Delhi.	О
135	Prediction of arsenic accumulation in a calcareous soil-wheat/maize rotation system with continuous amendment of sewage sludge.	0
134	Health and environmental impact assessment of landfill mining activities: A case study in Norfolk, UK. 2022 , 8, e11594	O

133	Airborne heavy metals deposition and contamination to water resources. 2023, 155-173	О
132	Human health risk assessment for contaminated sites: A retrospective review. 2023 , 171, 107700	O
131	Programmable and low-cost biohybrid membrane for efficient heavy metal removal from water. 2023 , 306, 122751	1
130	Rhizosphere activity induced mobilization of heavy metals immobilized by combined amendments in a typical lead/zinc smelter-contaminated soil. 2023 , 313, 137556	O
129	Molecular insights into migration of heavy metal ion in calcium silicate hydrate (CSH) surface and intra-CSH (Ca/Si´=´1.3). 2023 , 365, 130097	О
128	Metal-mining-induced sediment pollution presents a potential ecological risk and threat to human health across China: A meta-analysis. 2023 , 329, 117058	1
127	Spatial and temporal variation of vegetation cover in the main mining area of Qibaoshan Town, China: Potential impacts from mining damage, solid waste discharge and land reclamation. 2023 , 859, 160392	О
126	IdentiïDation and hazard analysis of heavy metal sources in agricultural soils in ancient mining areas: A quantitative method based on the receptor model and risk assessment,. 2023 , 445, 130528	O
125	Zinc oxide nanoparticles alleviate cadmium stress by modulating plant metabolism and decreasing cadmium accumulation in Perilla frutescents.	0
124	Environmental Behavior, Human Health Effect and Pollution Control of Heavy Metal(loid)s Towards Full Life Cycle Processes. 2022 ,	3
123	Soil copper concentration map in mining area generated from AHSI remote sensing imagery. 2022 , 160511	0
122	Effects of Humic acid fertilizers on arsenic and mercury speciation and enzyme activities in soil.	O
121	Comparative assessment of the level of tolerance of <l>Bacillus subtilis</l> soil isolates in relation to chemical copper compounds. 2022 , 86-90	0
120	Estimated daily intake of epichlorohydrin and certain heavy metals of bagged and loose black teas.	О
119	Occurrence and Distribution of Heavy Metals in Mining Degraded Soil and Medicinal Plants: A Case Study of Pb/Zn Sulfide Terrain Northern Areas, Pakistan. 2023 , 110,	0
118	Spatial trend and Probabilistic health risk assessment of heavy metals, Nitrate, and Fluoride in groundwater resources, West Azerbaijan province, Iran.	O
117	Rat Hepatocytes Mitigate Cadmium Toxicity by Forming Annular Gap Junctions and Degrading Them via Endosomellysosome Pathway. 2022 , 23, 15607	О
116	Modelling and Optimization of Biochar-Based Adsorbent Derived from Wheat Straw Using Response Surface Methodology on Adsorption of Pb2+. 2023 , 17,	Ο

115	Heavy Metals and Metalloids in Soils, Road Dust, and Their PM10 Fractions in Sebastopol: Levels, Sources, and Pollution Risk. 2022 , 55, 1871-1890	Ο
114	Characteristics and DGT Based Bioavailability of Cadmium in the Soil T rop Systems from the East Edge of the Dongting Lake, China. 2023 , 20, 30	2
113	Determination of some heavy metals concentrations in urban soils using pollution indices and multivariate analysis -A case study of Tripoli city, Libya.	Ο
112	Accumulation of Heavy Metals in Vegetable Crops. 2022 , 48, S164-S173	Ο
111	Silicon-Rich Biochar Detoxify Multiple Heavy Metals in Wheat by Regulating Oxidative Stress and Subcellular Distribution of Heavy Metal. 2022 , 14, 16417	0
110	Concentration, sources, influencing factors and hazards of heavy metals in indoor and outdoor dust: A review.	O
109	Pollution and risk assessment of heavy metals in Zuoxiguo antimony mining area, southwest China. 2023 , 35,	O
108	Distribution, historical variations, and geochemical fractions of toxic trace metals and their ecological risks in sediments of the Nanliu River Estuary, South China. 2022 , 145, 109708	O
107	Leaching Mechanism and Health Risk Assessment of As and Sb in Tailings of Typical Antimony Mines: A Case Study in Yunnan and Guizhou Province, Southwest China. 2022 , 10, 777	1
106	Why do Chinese Youth Seek Cancer Risk Information Online? Evidence from Four Cities. 1-12	O
105	Assessment of Groundwater Quality Using APCS-MLR Model: A Case Study in the Pilot Promoter Region of Yangtze River Delta Integration Demonstration Zone, China. 2023 , 15, 225	0
104	Spatiotemporal pattern of soil heavy metal pollution risk and driving forces of increment in a typical industrialized region in central China.	O
103	Mapping soil available copper content in the mine tailings pond with combined simulated annealing deep neural network and UAV hyperspectral images. 2023 , 120962	0
102	Penicillium spp. XK10, Fungi with Potential to Repair Cadmium and Antimony Pollution. 2023 , 13, 1228	O
101	Phytoremediation capabilities of eight wild plants in absorption of three heavy metals (Al, Pb and Zn) in Meyghan Wetland.	0
100	Assessment of the Condition of Soils before Planned Hard Coal Mining in Southern Poland: A Starting Point for Sustainable Management of Fossil Fuel Resources. 2023 , 16, 737	1
99	Low-pressure ultraviolet-H2O2 photolysis for restoring the anodic stripping voltammetry signal: a new strategy for the detection of heavy metal ions in complex organic matter.	О
98	Spatial dispersion hot spots of contamination and human health risk assessments of PTEs in surface sediments of streams around porphyry copper mine, Iran.	O

97	Application of Pb Isotopes and REY Patterns in Tracing Heavy Metals in Farmland Soils from the Upper-Middle Area of Yangtze River. 2023 , 20, 966	О
96	Coupling Nexus and Circular Economy to Decouple Carbon Emissions from Economic Growth. 2023 , 15, 1748	Ο
95	Auxin alleviates cadmium toxicity by increasing vacuolar compartmentalization and decreasing long-distance translocation of cadmium in Poa pratensis. 2023 , 153919	О
94	The Evaluation and Sources of Heavy Metal Anomalies in the Surface Soil of Eastern Tibet. 2023 , 13, 86	Ο
93	The influence of gold mining wastes on the migration-transformation behavior and health risks of arsenic in the surrounding soil of mined-area. 10,	О
92	Soil flooding and its outcome on cadmium and nutrient uptake affect photosynthetic activity in Inga laurina plants.	O
91	Phosphate Solubilizing Microorganisms: Multifarious Applications. 2023, 245-262	О
90	Risk assessment of heavy metal pollution in agricultural soil surrounding a typical pharmaceutical manufacturing complex. 10,	O
89	Can Regional Eco-Efficiency Forecast the Changes in Local Public Health: Evidence Based on Statistical Learning in China. 2023 , 20, 1381	О
88	Distribution, risk assessment, and quantitative source apportionment of heavy metals in surface sediments from the shelf of the northern South China Sea. 2023 , 187, 114589	1
87	Insight into the subcellular mechanism of maximizing Cd accumulation in hyperaccumulator Solanum nigrum L. under the action of biodegradable chelating agent. 2023 , 207, 105226	О
86	The Ecological-Health Risks of Potentially Toxic Metals in the Surface Sediments and Leaves of Salt-Secreting Avicennia officinalis as Potential Phytoremediators: A Field-Based Biomonitoring Study from Klang Mangrove Area. 2023 , 12, 43	Ο
85	Ecological Risk Assessment and Source Analysis of Heavy Metals in the Soils of a Lead-Zinc Mining Watershed Area. 2023 , 15, 113	1
84	Ecological risk assessment of trace elements pollution and human health risk exposure in agricultural soils used for Saffron cultivation.	Ο
83	Oxidative Stress of Cadmium and Lead at Environmentally Relevant Concentrations on Hepatopancreas of Macrobrachium nipponensis and Their Mixture Interactivity: Implications for Water Quality Criteria Amendment. 2023 , 20, 360	O
82	Health Risk of Heavy Metals Related to Consumption of Vegetables in Areas of Industrial Impact in the Republic of Kazakhstan C ase Study for Oskemen. 2023 , 20, 275	Ο
81	Metal pollutants: an environmental hazard. 2023 , 97-109	О
80	Heavy metals in the environment: toxicity to microbial remediation. 2023 , 181-203	О

79	Pollution characteristics and health risks of heavy metals in road dust in Ma⊞nshan, China.	2
78	Enhanced immobility of Pb(II) during ferrihydrite-Pb(II) coprecipitates aging impacted by malic acid or phosphate.	O
77	Trace metal contamination status in soils of the abandoned gold mining district of Bindiba (East Cameroon): Pollution indices assessment, multivariate analysis and; geostatistical approach.	О
76	Sphalerite oxidation simulating acidic, circumneutral and alkaline conditions to account for weathering behavior. 2023 , 107163	O
75	Exploring relationship of soil PTE geochemical and I/IS-NIR spectroscopy[patterns near CulMo mine (Armenia). 2023 , 121180	О
74	Threats to mountainous soils: conservation and management strategies. 2023 , 23-39	O
73	Contamination of soil and food chain through wastewater application. 2023,	О
72	Heavy Metals in Soil around a Typical Antimony Mine Area of China: Pollution Characteristics, Land Cover Influence and Source Identification. 2023 , 20, 2177	O
71	Hydrochemistry and assessment of heavy metals groundwater contamination in an industrialized city of sub-Saharan Africa (Douala, Cameroon). Implication on human health. 2023 , 6, 52-64	О
70	Assessing Physiochemical Characteristics of Agricultural Waste and Ready Compost at Wadi Al-Far a Watershed of Palestine. 2023 , 2023, 1-13	O
69	Spatiotemporal variation of soil heavy metals in China: The pollution status and risk assessment. 2023 , 871, 161768	О
68	Papel de los hongos formadores de micorrizas en la biorremediacili de suelos agrilolas contaminados con metales pesados: revisili sistemilica. 2019 , 7, 61-75	O
67	Remediation of Sb-Contaminated Soil by Low Molecular Weight Organic Acids Washing: Efficiencies and Mechanisms. 2023 , 15, 4147	0
66	Evolutionary Game and Simulation Analysis of Participating Subjects in Remediation of Heavy Metal Contaminated Cultivated Land under the Ladder Multiple Supervision Model. 2023 , 15, 4940	O
65	Characterization and chemical fractionation of potentially toxic elements in soils of a pre-mining mineralized area; an evaluation of mobility and environmental risk.	О
64	Source apportionment of heavy metals in soils around a coal gangue heap with the APCS-MLR and PMF receptor models in Chongqing, southwest China.	O
63	The relationships between heavy metals and bacterial communities in a coal gangue site. 2023 , 322, 121136	О
62	Spatial distribution, contamination characteristics and ecological-health risk assessment of toxic heavy metals in soils near a smelting area. 2023 , 222, 115328	O

61	Montmorillonite-mediated electron distribution of zirconium phosphate for accelerating remediation of cadmium-contaminated water and soil. 2023 , 236, 106883	O
60	A scientometrics view on sustainable development in surface mining: Everything from the beginning. 2023 , 82, 103410	O
59	Periodic DFT study on heavy metals Cu(II) and Pb(II) atoms adsorption on Na-montmorillonite (010) edge surface. 2023 , 366-367, 115171	O
58	Heavy metal removal by the photosynthetic microbial biomat found within shallow unit process open water constructed wetlands. 2023 , 876, 162478	O
57	Effect and mechanism of nano iron oxide on muskmelon under cadmium stress. 2023, 157, 82-90	O
56	Chlorella sorokiniana FK-montmorillonite interaction enhanced remediation of heavy metals in tailings. 2023 , 876, 163208	O
55	Pollution and risk assessment of potentially toxic elements in soils from industrial and mining sites across China. 2023 , 336, 117672	0
54	Soil contamination by copper: Sources, ecological risks, and mitigation strategies in Brazil. 2023 , 4, 100059	O
53	Geochemical controls on the distribution and bioavailability of heavy metals in sediments from Yangtze River to the East China Sea: Assessed by sequential extraction versus diffusive gradients in thin-films (DGT) technique. 2023 , 452, 131253	0
52	Geochemical Response of Surface Environment to Mining of Sn-Pb-Zn Sulfide Deposits: A Case Study of Dachang Tin Polymetallic Deposit in Guangxi. 2023 , 15, 1550	O
51	Responses and detoxification mechanisms of earthworm Amynthas hupeiensis to metal contaminated soils of North China. 2023 , 327, 121584	O
50	Optimal GIS interpolation techniques and multivariate statistical approach to study the soil-trace metal(loid)s distribution patterns in the agricultural surface soil of Matehuala, Mexico. 2023 , 9, 100243	O
49	Development of a novel sensor based on Bi2O3 and carbonized UIO-66-NH2 nanocomposite for efficient detection of Pb(II) ion in water environment. 2023 , 616, 156510	О
48	Potentially toxic elements in human scalp hair around Chinal largest polymetallic rare earth ore mining and smelting area. 2023 , 172, 107775	Ο
47	The high-dimensional geographic dataset revealed significant differences in the migration ability of cadmium from various sources in paddy fields. 2023 , 13,	O
46	Cadmium accumulation responses in Hylotelephium spectabile: The role of photosynthetic characteristics under different nitrogen, moisture, and light conditions. 2023 , 319, 138019	O
45	Priority planting area planning for cash crops under heavy metal pollution and climate change: A case study of Ligusticum chuanxiong Hort. 14,	1
44	Analysis of metal(loid) pollution and possibilities of electrokinetic phytoremediation of abandoned coking plant soil. 2023 , 870, 161982	O

43	Potential ecological risk and zoning control strategies for heavy metals in soils surrounding core water sources: A case study from Danjiangkou Reservoir, China. 2023 , 252, 114610	О
42	Mining violations, rent-seeking, and resource governance in China: Evidence from central environmental protection inspection. 2023 , 13, 101218	O
41	Current Situation of Agricultural Soil Pollution in Jiangsu Province: A Meta-Analysis. 2023, 12, 455	О
40	Study of Potentially Toxic Metal Adsorption in a Polluted Acid and Alkaline Soil: Influence of Soil Properties and Levels of Metal Concentration. 2023 , 7, 16	1
39	Cultivars and oil extraction techniques affect Cd/Pb contents and health risks in oil of rapeseed grown on Cd/Pb-contaminated farmland. 2023 , 17,	O
38	Research on Risk Assessment and Contamination Monitoring of Potential Toxic Elements in Mining Soils. 2023 , 20, 3163	O
37	Atmospheric pollution by potentially toxic elements: measurement and risk assessment using lichen transplants. 1-14	1
36	Risk Assessment and Spatial Distribution of Heavy Metals with an Emphasis on Antimony (Sb) in Urban Soil in Bojnourd, Iran. 2023 , 15, 3495	О
35	Evaluation of heavy metal pollution with uneven spatial sampling distribution based on Voronoi area density. 2023 , 30, 50431-50443	О
34	The impacts of mining on soil pollution with metal(loid)s in resource-rich Mongolia. 2023, 13,	O
33	Contamination and human health risk assessment of heavy metal(loid)s in topsoil and groundwater around mining and dressing factories in Chifeng, North China. 2023 , 10,	0
32	Generalist arbuscular mycorrhizal fungi dominated heavy metal polluted soils at two artisanal and small Bcale gold mining sites in southeastern Ecuador. 2023 , 23,	O
31	Effect of LeadZinc Mining on Socio-Economic and Health Conditions of Enyigba and Ishiagu LeadZinc Mining Districts of Southeastern Nigeria. 2023 , 40, 691-701	0
30	Cost and health benefit analysis of remediation alternatives for the heavy-metal-contaminated agricultural land in a PbIIn mining town in China. 2023 , 397, 136503	O
29	Heavy Metal Pollution and Risk Assessment of Vegetables and Soil in Jinhua City of China. 2023, 15, 4241	0
28	Risk Assessment of Heavy Metals in Soils from Four Different Industrial Plants in a Medium-Sized City in North China. 2023 , 11, 217	1
27	Insight into the Speciation of Heavy Metals in the Contaminated Soil Incubated with Corn Cob-Derived Biochar and Apatite. 2023 , 28, 2225	О
26	Trace elements in farmland soils and crops, and probabilistic health risk assessment in areas influenced by mining activity in Ecuador.	О

25	Emission and occupational health risk assessment of harmful contaminants in various processes in a typical semiconductor manufacturing industry building. 1420326X2311618	О
24	Arsenic Removal by Adsorbents from Water for Small Communities Decentralized Systems: Performance, Characterization, and Effective Parameters. 2023 , 5, 352-402	Ο
23	Glomus mosseae improved the adaptability of alfalfa (Medicago sativa L.) to the coexistence of cadmium-polluted soils and elevated air temperature. 14,	0
22	Biochar-clay, biochar-microorganism and biochar-enzyme composites for environmental remediation: a review.	O
21	Ecological risk assessment of trace elements (TEs) pollution and human health risk exposure in agricultural soils used for saffron cultivation. 2023 , 13,	0
20	Effect of Soil Washing with an Amino-Acid-Derived Ionic Liquid on the Properties of Cd-Contaminated Paddy Soil. 2023 , 11, 288	O
19	Soil Contaminated with Hazardous Waste Materials at Rio Tinto Mine (Spain) Is a Persistent Secondary Source of Acid and Heavy Metals to the Environment. 2023 , 13, 456	0
18	The release analysis of As and Cr metals in lead-zinc smelting slag: Mineralogical analysis, bioavailability and leachability analysis. 2023 , 115751	Ο
17	Potential of Halophytes-Associated Microbes for the Phytoremediation of Metal-Polluted Saline Soils. 2023 , 13, 4228	О
16	Soil-to-Wheat Transfer of Heavy Metals Depending on the Distance from the Industrial Zone. 2023 , 13, 1016	Ο
15	Heavy Metal Distribution and Microbial Diversity of the Surrounding Soil and Tailings of Two Cu Mines in China. 2023 , 234,	Ο
14	Heavy metal(loid)s contamination in water and sediments in a mining area in Ecuador: a comprehensive assessment for drinking water quality and human health risk.	Ο
13	Distribution, Risk Assessment and Source Identification of Potentially Toxic Elements in Coal Mining Contaminated Soils of Makarwal, Pakistan: Environmental and Human Health Outcomes. 2023 , 12, 821	0
12	Regulation of gut bacteria in silkworm (Bombyx mori) after exposure to endogenous cadmium-polluted mulberry leaves. 2023 , 256, 114853	Ο
11	Recent applications of atomic spectroscopy coupled with magnetic solid-phase extraction techniques for heavy metal determination in environmental samples: A review.	Ο
10	Determining the trophic transfer of metal(loid)s and arsenic speciation in freshwater aquatic organisms by quantifying diet compositions. 2023 , 329, 138600	O
9	Potentially Toxic Element Contamination in Soils Affected by the Antimony Mine Spill in Northwest China. 2023 , 11, 359	0
8	Soil Chromium Accumulation in Industrial Regions across China: Pollution and Health Risk Assessment, Spatial Pattern, and Temporal Trend (2002\(\bar{\pi}\)021). 2023 , 11, 363	O

7	Effects of Fe2O3 modified chicken manure biochar on the availability of multiple heavy metals and soil biochemical properties. 2023 , 109922	О
6	Application of Recently used Green Solvents in Sample Preparation Techniques: A Comprehensive Review of Existing Trends, Challenges, and Future Opportunities. 1-20	O
5	Environmental Pollution: Threats, Impact on Biodiversity, and Protection Strategies. 2023, 377-409	O
4	Environmental contamination characteristics of heavy metals from abandoned leadZinc mine tailings in China. 11,	O
3	Quantifying the coal mining impact on the ecological environment of Gobi open-pit mines. 2023 , 883, 163723	O
2	Sources and risk assessment of soil heavy metals in typical tailings ponds of Mouding city, China.	O
1	Influence of Mineral Deposition on the Retention of Potentially Hazardous Elements in Geothermal Spring Sediments. 2023 , 15, 8040	0