Pavel Tlustos

List of Publications by Year
in descending order

148 papers	3,485 citations	136740 32 h-index	189595 50 g-index
148 all docs	148 docs citations	148 times ranked	4062 citing authors

#	Article	IF	Citations
1	Biochar applications enhance the phytoextraction potential of Salix smithiana [Willd.] (willow) in heavily contaminated soil: potential for a sustainable remediation method?. Journal of Soils and Sediments, 2022, 22, 905-915.	1.5	5
2	The chemical composition of ethanolic extracts from six genotypes of medical cannabis (Cannabis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	11
3	Exchangeable and Plant-Available Macronutrients in a Long-Term Tillage and Crop Rotation Experiment after 15 Years. Plants, 2022, 11, 565.	1.6	3
4	Soil microbial communities following 20Âyears of fertilization and crop rotation practices in the Czech Republic. Environmental Microbiomes, 2022, 17, 13.	2.2	7
5	Amino Acid Supplementation as a Biostimulant in Medical Cannabis (Cannabis sativa L.) Plant Nutrition. Frontiers in Plant Science, 2022, 13, 868350.	1.7	9
6	Is the harvest of Salix and Populus clones in the growing season truly advantageous for the phytoextraction of metals from a long-term perspective?. Science of the Total Environment, 2022, 838, 156630.	3.9	3
7	Pyrolysis of biosolids as an effective tool to reduce the uptake of pharmaceuticals by plants. Journal of Hazardous Materials, 2021, 405, 124278.	6.5	17
8	The risk assessment of inorganic and organic pollutant levels in an urban area affected by intensive industry. Environmental Monitoring and Assessment, 2021, 193, 68.	1.3	4
9	Changes in soil carbon and nitrogen accessibility with the application of biochars with different morphological and physical characteristics. Journal of Soils and Sediments, 2021, 21, 1644-1658.	1.5	5
10	Co-application of high temperature biochar with 3,4-dimethylpyrazole-phosphate treated ammonium sulphate improves nitrogen use efficiency in maize. Scientific Reports, 2021, 11, 5711.	1.6	8
11	Natural pentacyclic triterpenoid acids potentially useful as biocompatible nanocarriers. FÃ¬toterapÃ¬Ã¢, 2021, 151, 104845.	1.1	11
12	Occurrence of synthetic polycyclic and nitro musk compounds in sewage sludge from municipal wastewater treatment plants. Science of the Total Environment, 2021, 801, 149777.	3.9	16
13	The role of low molecular weight organic acids in the release of phosphorus from sewage sludge-based biochar. International Journal of Transgender Health, 2021, 14, 599-609.	1.1	10
14	Nitrification of the liquid phase of digestate can help with the reduction of nitrogen losses. Environmental Technology and Innovation, 2020, 17, 100514.	3.0	8
15	Thermal thickening of nitrified liquid phase of digestate for production of concentrated complex fertiliser and high-quality technological water. Journal of Environmental Management, 2020, 276, 111250.	3.8	3
16	Effect of silage maize plant density and plant parts on biogas production and composition. Biomass and Bioenergy, 2020, 142, 105770.	2.9	13
17	Response of Soil Microbes and Soil Enzymatic Activity to 20 Years of Fertilization. Agronomy, 2020, 10, 1542.	1.3	7
18	Long-term willows phytoremediation treatment of soil contaminated by fly ash polycyclic aromatic hydrocarbons from straw combustion. Environmental Pollution, 2020, 264, 114787.	3.7	18

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19	Changes in availability of Ca, K, Mg, P and S in sewage sludge as affected by pyrolysis temperature. Plant, Soil and Environment, 2020, 66, 143-148.	1.0	8
20	The Role of Biochar and Soil Properties in Determining the Available Content of Al, Cu, Zn, Mn, and Cd in Soil. Agronomy, 2020, 10, 885.	1.3	12
21	Effect of Dry Olive Residueâ€"Based Biochar and Arbuscular Mycorrhizal Fungi Inoculation on the Nutrient Status and Trace Element Contents in Wheat Grown in the As-, Cd-, Pb-, and Zn-Contaminated Soils. Journal of Soil Science and Plant Nutrition, 2020, 20, 1067-1079.	1.7	16
22	Comparing Salt Tolerance at Seedling and Germination Stages in Local Populations of Medicago ciliaris L. to Medicago intertexta L. and Medicago scutellata L.. Plants, 2020, 9, 526.	1.6	45
23	Basic soil chemical properties after 15 years in a long-term tillage and crop rotation experiment. International Agrophysics, 2020, 1, 133-140.	0.7	10
24	Comparing the removal of polycyclic aromatic hydrocarbons in soil after different bioremediation approaches in relationto the extracellular enzyme activities. Journal of Environmental Sciences, 2019, 76, 249-258.	3.2	42
25	Implications of mycoremediated dry olive residue application and arbuscular mycorrhizal fungi inoculation on the microbial community composition and functionality in a metal-polluted soil. Journal of Environmental Management, 2019, 247, 756-765.	3.8	12
26	Mobility and bioaccessibility of risk elements in the area affected by the long-term opencast coal mining. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2019, 54, 1159-1169.	0.9	10
27	Mutual relationships of biochar and soil pH, CEC, and exchangeable base cations in a model laboratory experiment. Journal of Soils and Sediments, 2019, 19, 2405-2416.	1.5	130
28	Combined effects of carbonaceous-immobilizing agents and subsequent sulphur application on maize phytoextraction efficiency in highly contaminated soil. Environmental Science and Pollution Research, 2019, 26, 20866-20878.	2.7	3
29	Risk element accumulation in Coleoptera and Hymenoptera (Formicidae) living in an extremely contaminated areaâ€"a preliminary study. Environmental Monitoring and Assessment, 2019, 191, 432.	1.3	14
30	Variability of trace element distribution in Noccaea spp., Arabidopsis spp., and Thlaspi arvense leaves: the role of plant species and element accumulation ability. Environmental Monitoring and Assessment, 2019, 191, 181.	1.3	8
31	Is the long-term application of sewage sludge turning soil into a sink for organic pollutants?: evidence from field studies in the Czech Republic. Journal of Soils and Sediments, 2019, 19, 2445-2458.	1.5	10
32	Bioremediation of polycyclic aromatic hydrocarbons (PAHs) present in biomass fly ash by co-composting and co-vermicomposting. Journal of Hazardous Materials, 2019, 369, 79-86.	6.5	31
33	High temperature-produced biochar can be efficient in nitrate loss prevention and carbon sequestration. Geoderma, 2019, 338, 48-55.	2.3	43
34	Effects of Organic Matter-Rich Amendments on Selenium Mobility in Soils. Pedosphere, 2019, 29, 740-751.	2.1	7
35	Cultivation of Medicinal Mushrooms on Spruce Sawdust Fermented with a Liquid Digestate from Biogas Stations. International Journal of Medicinal Mushrooms, 2019, 21, 215-223.	0.9	7
36	An assessment of the risk of element contamination of urban and industrial areas using Taraxacum sect. Ruderalia as a bioindicator. Environmental Monitoring and Assessment, 2018, 190, 150.	1.3	16

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37	Metabolic transformation and urinary excretion of selenium (Se) in rats fed a Se-enriched defatted rapeseed (Brassica napus, L.) diet. Metallomics, 2018, 10, 579-586.	1.0	4
38	Trace element leaching from contaminated willow and poplar biomass â€“ A laboratory study of potential risks. Biomass and Bioenergy, 2018, 112, 11-18.	2.9	6
39	Effects of summer and winter harvesting on element phytoextraction efficiency of <i>Salix</i> and <i>Populus</i> clones planted on contaminated soil. International Journal of Phytoremediation, 2018, 20, 499-506.	1.7	10
40	Ability of natural attenuation and phytoremediation using maize (Zea mays L.) to decrease soil contents of polycyclic aromatic hydrocarbons (PAHs) derived from biomass fly ash in comparison with PAHsâ€“spiked soil. Ecotoxicology and Environmental Safety, 2018, 153, 16-22.	2.9	31
41	Yield and cannabinoids contents in different cannabis (Cannabis sativa L.) genotypes for medical use. Industrial Crops and Products, 2018, 112, 363-367.	2.5	27
42	Biochar, wood ash and humic substances mitigating trace elements stress in contaminated sandy loam soil: Evidence from an integrative approach. Chemosphere, 2018, 203, 228-238.	4.2	42
43	Nutrient status of soil and winter wheat (Triticum aestivum L.) in response to long-term farmyard manure application under different climatic and soil physicochemical conditions in the Czech Republic. Archives of Agronomy and Soil Science, 2018, 64, 70-83.	1.3	11
44	A comparative study to evaluate natural attenuation, mycoaugmentation, phytoremediation, and microbial-assisted phytoremediation strategies for the bioremediation of an aged PAH-polluted soil. Ecotoxicology and Environmental Safety, 2018, 147, 165-174.	2.9	97
45	The soil-plant transfer of risk elements within the area of an abandoned gold mine in LibÄ•ice, Czech Republic. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 1267-1276.	0.9	5
46	Regulation of macro, micro, and toxic element uptake by Salix Ã— smithiana using liming of heavily contaminated soils. Journal of Soils and Sediments, 2017, 17, 1279-1290.	1.5	3
47	Stabilization of different starting materials through vermicomposting in a continuous-feeding system: Changes in chemical and biological parameters. Waste Management, 2017, 62, 33-42.	3.7	43
48	Nitrification in a completely stirred tank reactor treating the liquid phase of digestate: The way towards rational use of nitrogen. Waste Management, 2017, 64, 96-106.	3.7	19
49	Long-term application of organic matter based fertilisers: Advantages or risks for soil biota? A review. Environmental Reviews, 2017, 25, 408-414.	2.1	9
50	Efficiency of foliar selenium application on oilseed rape (<i>Brassica napus</i>L.) as influenced by rainfall and soil characteristics. Archives of Agronomy and Soil Science, 2017, 63, 1240-1254.	1.3	13
51	Content of Inorganic and Organic Pollutants and Their Mobility in Bottom Sediment from the OrlÃk Water Reservoir (Vltava River, Czech Republic). Soil and Sediment Contamination, 2017, 26, 584-604.	1.1	13
52	Can liming change root anatomy, biomass allocation and trace element distribution among plant parts of Salix Ã— smithiana in trace element-polluted soils?. Environmental Science and Pollution Research, 2017, 24, 19201-19210.	2.7	5
53	Risk element immobilization/stabilization potential of fungal-transformed dry olive residue and arbuscular mycorrhizal fungi application in contaminated soils. Journal of Environmental Management, 2017, 201, 110-119.	3.8	11
54	The improvement of multi-contaminated sandy loam soil chemical and biological properties by the biochar, wood ash, and humic substances amendments. Environmental Pollution, 2017, 229, 516-524.	3.7	35

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55	Biochar physicochemical parameters as a result of feedstock material and pyrolysis temperature: predictable for the fate of biochar in soil?. Environmental Geochemistry and Health, 2017, 39, 1381-1395.	1.8	29
56	A profile of arsenic species in different vegetables growing in arsenic-contaminated soils. Archives of Agronomy and Soil Science, 2017, 63, 918-927.	1.3	14
57	Anaerobic digestion of grass: the effect of temperature applied during the storage of substrate on the methane production. Environmental Technology (United Kingdom), 2017, 38, 1716-1724.	1.2	3
58	Properties of vermicompost aqueous extracts prepared under different conditions. Environmental Technology (United Kingdom), 2017, 38, 1428-1434.	1.2	9
59	Influence of Rhizon MOM suction cup and Triticum aestivum L. on the concentration of organic and inorganic anions in soil solution. Journal of Soils and Sediments, 2017, 17, 820-826.	1.5	8
60	Fertilization efficiency of wood ash pellets amended by gypsum and superphosphate in the ryegrass growth. Plant, Soil and Environment, 2017, 63, 47-54.	1.0	14
61	The Response of Macro- and Micronutrient Nutrient Status and Biochemical Processes in Rats Fed on a Diet with Selenium-Enriched Defatted Rapeseed and/or Vitamin E Supplementation. BioMed Research International, 2017, 2017, 1-13.	0.9	4
62	EFFECT OF ROCK PHOSPHATE AND SUPERPHOSPHATE APPLICATION ON MOBILITY OF ELEMENTS (Cd, Zn, Pb,) Tj ETQq0 0 0 rgBT /Over 2901-2910.	0.2	2
63	MONITORING OF MOBILIZATION AND UPTAKE OF NUTRIENTS IN RESPONSE TO EDTA ADDITIONS TO A CONTAMINATED AGRICULTURAL SOIL. Environmental Engineering and Management Journal, 2017, 16, 2475-2483.	0.2	2
64	Changes in Nutrient Plant Availability in Loam and Sandy Clay Loam Soils after Wood Fly and Bottom Ash Amendment. Agronomy Journal, 2016, 108, 487-497.	0.9	8
65	Nutrient Dynamics in Soil Solution and Wheat Response after Biomass Ash Amendments. Agronomy Journal, 2016, 108, 2222-2234.	0.9	20
66	Investigation of polycyclic aromatic hydrocarbon content in fly ash and bottom ash of biomass incineration plants in relation to the operating temperature and unburned carbon content. Science of the Total Environment, 2016, 563-564, 53-61.	3.9	46
67	Effects of Sewage Sludge Application on Biomass Production and Concentrations of Cd, Pb and Zn in Shoots of Salix and Populus Clones: Improvement of Phytoremediation Efficiency in Contaminated Soils. Bioenergy Research, 2016, 9, 809-819.	2.2	30
68	The response of mercury (Hg) transformation in soil to sulfur compounds and sulfur-rich biowaste application. Environmental Earth Sciences, 2016, 75, 1.	1.3	7
69	Mobility and plant availability of risk elements in soil after long-term application of farmyard manure. Environmental Science and Pollution Research, 2016, 23, 23561-23572.	2.7	10
70	Lead Accumulation Ability of Selected Plants of<i>Noccaea</i>spp.. Soil and Sediment Contamination, 2016, 25, 882-890.	1.1	6
71	Utilization of biochar and activated carbon to reduce Cd, Pb and Zn phytoavailability and phytotoxicity for plants. Journal of Environmental Management, 2016, 181, 637-645.	3.8	39
72	Risk element sorption/desorption characteristics of dry olive residue: a technique for the potential immobilization of risk elements in contaminated soils. Environmental Science and Pollution Research, 2016, 23, 22614-22622.	2.7	7

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73	Distribution of arsenic compounds inPlantaginaceaeandCyperaceaeplants growing in contaminated soil. Chemistry and Ecology, 2016, 32, 919-936.	0.6	1
74	Determination of Plant-Available Nutrients in Two Wood Ashes: The Influence of Combustion Conditions. Communications in Soil Science and Plant Analysis, 2016, 47, 1664-1674.	0.6	5
75	The risk element contamination level in soil and vegetation at the former deposit of galvanic sludges. Journal of Soils and Sediments, 2016, 16, 924-938.	1.5	9
76	Organic and inorganic amendment application on mercury-polluted soils: effects on soil chemical and biochemical properties. Environmental Science and Pollution Research, 2016, 23, 14254-14268.	2.7	15
77	Mobility of mercury in soil as affected by soil physicochemical properties. Journal of Soils and Sediments, 2016, 16, 2234-2241.	1.5	20
78	Selenium uptake, transformation and inter-element interactions by selected wildlife plant species after foliar selenate application. Environmental and Experimental Botany, 2016, 125, 12-19.	2.0	62
79	Effects of the soil microbial community on mobile proportions and speciation of mercury (Hg) in contaminated soil. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 364-370.	0.9	10
80	Arsenic compounds occurring in ruderal plant communities growing in arsenic contaminated soils. Environmental and Experimental Botany, 2016, 123, 108-115.	2.0	15
81	Translocation of mercury from substrate to fruit bodies of Panellus stipticus, Psilocybe cubensis, Schizophyllum commune and Stropharia rugosoannulata on oat flakes. Ecotoxicology and Environmental Safety, 2016, 125, 184-189.	2.9	12
82	The long-term variation of Cd and Zn hyperaccumulation byNoccaea sppandArabidopsis halleriplants in both pot and field conditions. International Journal of Phytoremediation, 2016, 18, 110-115.	1.7	17
83	Aluminium Uptake and Translocation in Al Hyperaccumulator Rumex obtusifolius Is Affected by Low-Molecular-Weight Organic Acids Content and Soil pH. PLoS ONE, 2015, 10, e0123351.	1.1	21
84	Bioaccessibility versus Bioavailability of Essential (Cu, Fe, Mn, and Zn) and Toxic (Pb) Elements from Phyto Hyperaccumulator <i>Pistia stratiotes</i>: Potential Risk of Dietary Intake. Journal of Agricultural and Food Chemistry, 2015, 63, 2344-2354.	2.4	13
85	Phytoextraction of Risk Elements by Willow and Poplar Trees. International Journal of Phytoremediation, 2015, 17, 414-421.	1.7	63
86	Metal sorption onto soils loaded with urban particulate matter. Chemie Der Erde, 2015, 75, 29-33.	0.8	0
87	Can Biochar From Contaminated Biomass Be Applied Into Soil for Remediation Purposes?. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	25
88	Soil-to-plant transfer of native selenium for wild vegetation cover at selected locations of the Czech Republic. Environmental Monitoring and Assessment, 2015, 187, 358.	1.3	20
89	The effectiveness of various treatments in changing the nutrient status and bioavailability of risk elements in multi-element contaminated soil. Environmental Science and Pollution Research, 2015, 22, 14325-14336.	2.7	11
90	The Contents of Selected Risk Elements and Organic Pollutants in Soil and Vegetation within a Former Military Area. Soil and Sediment Contamination, 2015, 24, 325-342.	1.1	7

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91	The response of broccoli (<i>Brassica oleracea</i>convar.<i>italica</i>) varieties on foliar application of selenium: uptake, translocation, and speciation. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2015, 32, 150928143022009.	1.1	18
92	The effect of soil risk element contamination level on the element contents in Ocimum basilicum L.. Archives of Environmental Protection, 2015, 41, 47-53.	1.1	5
93	Effect of digestate and fly ash applications on soil functional properties and microbial communities. European Journal of Soil Biology, 2015, 71, 1-12.	1.4	55
94	Distribution of P, K, Ca, Mg, Cd, Cu, Fe, Mn, Pb and Zn in wood and bark age classes of willows and poplars used for phytoextraction on soils contaminated by risk elements. Environmental Science and Pollution Research, 2015, 22, 18801-18813.	2.7	51
95	Applications of Organic and Inorganic Amendments Induce Changes in the Mobility of Mercury and Macro- and Micronutrients of Soils. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	8
96	Wheat and Soil Response to Wood Fly Ash Application in Contaminated Soils. Agronomy Journal, 2014, 106, 995-1002.	0.9	39
97	Methodological Aspects of In Vitro Assessment of Bio-accessible Risk Element Pool in Urban Particulate Matter. Biological Trace Element Research, 2014, 161, 216-222.	1.9	20
98	Soil chemical properties affect the concentration of elements (N, P, K, Ca, Mg, As, Cd, Cr, Cu, Fe, Mn, Ni,) Tj ETQq0 0 0 rgBT /Overlock 10 231-245.	1.8	22
99	Variability of total and mobile element contents in ash derived from biomass combustion. Chemical Papers, 2013, 67, .	1.0	15
100	Bioavailability of arsenic, cadmium, iron and zinc in leafy vegetables amended with urban particulate matter suspension. Journal of the Science of Food and Agriculture, 2013, 93, 1378-1384.	1.7	14
101	Chemically Enhanced Phytoextraction of Risk Elements from a Contaminated Agricultural Soil Using<i>Zea Mays</i>and<i>Triticum Aestivum</i>: Performance and Metal Mobilization Over a Three Year Period. International Journal of Phytoremediation, 2012, 14, 754-771.	1.7	27
102	Removal of Al, Fe and Mn by Pistia stratiotes L. and its stress response. Open Life Sciences, 2012, 7, 1037-1045.	0.6	7
103	Organic Acid Enhanced Soil Risk Element (Cd, Pb and Zn) Leaching and Secondary Bioconcentration in Water Lettuce (<i>Pistia Stratiotes</i>L.) in the Rhizofiltration Process. International Journal of Phytoremediation, 2012, 14, 335-349.	1.7	31
104	Factors influencing uptake of contaminated particulate matter in leafy vegetables. Open Life Sciences, 2012, 7, 519-530.	0.6	14
105	Effects of Endo- and Ectomycorrhizal Fungi on Physiological Parameters and Heavy Metals Accumulation of Two Species from the Family Salicaceae. Water, Air, and Soil Pollution, 2012, 223, 399-410.	1.1	40
106	The Use of Water Lettuce (<i>Pistia Stratiotes</i>L.) for Rhizofiltration of a Highly Polluted Solution by Cadmium and Lead. International Journal of Phytoremediation, 2011, 13, 859-872.	1.7	66
107	The uptake of persistent organic pollutants by plants. Open Life Sciences, 2011, 6, 223-235.	0.6	32
108	The Impact of an Abandoned Uranium Mining Area on the Contamination of Agricultural Land in its Surroundings. Water, Air, and Soil Pollution, 2011, 215, 693-700.	1.1	7

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109	The contents of risk elements, arsenic speciation, and possible interactions of elements and betalains in beetroot (Beta vulgaris, L.) growing in contaminated soil. Open Life Sciences, 2010, 5, 692-701.	0.6	6
110	Comparison of willow and sunflower for uranium phytoextraction induced by citric acid. Journal of Radioanalytical and Nuclear Chemistry, 2010, 285, 279-285.	0.7	28
111	The Rengen Grassland Experiment: relationship between soil and biomass chemical properties, amount of elements applied, and their uptake. Plant and Soil, 2010, 333, 163-179.	1.8	74
112	The Rengen Grassland experiment: bryophytes biomass and element concentrations after 65Âyears of fertilizer application. Environmental Monitoring and Assessment, 2010, 166, 653-662.	1.3	24
113	The Variability of Arsenic and Other Risk Element Uptake by Individual Plant Species Growing on Contaminated Soil. Soil and Sediment Contamination, 2010, 19, 617-634.	1.1	22
114	Growth and Metal Uptake by Plants Grown in Mono- and Dual Culture in Metal-contaminated Soils. Soil and Sediment Contamination, 2010, 19, 188-203.	1.1	9
115	The effect of arsenic contamination on amino acids metabolism in Spinacia oleracea L.. Ecotoxicology and Environmental Safety, 2010, 73, 1309-1313.	2.9	72
116	The Role of Aeration Intensity, Temperature Regimes And Composting Mixture on Gaseous Emission During Composting. Compost Science and Utilization, 2010, 18, 194-200.	1.2	8
117	Effect of soil properties and sample preparation on extractable and soluble Pb and Cd fractions in soils. Agricultural Sciences, 2010, 01, 119-130.	0.2	5
118	Passive diffusion assessment of cadmium and lead accumulation by plants in hydroponic systems. Chemical Speciation and Bioavailability, 2009, 21, 111-120.	2.0	15
119	Developing decision support tools for the selection of â€œgentleâ€•remediation approaches. Science of the Total Environment, 2009, 407, 6132-6142.	3.9	77
120	The Rengen Grassland Experiment: soil contamination by trace elements after 65Âyears of Ca, N, P and K fertiliser application. Nutrient Cycling in Agroecosystems, 2009, 83, 39-50.	1.1	28
121	Concentration of trace elements in arable soil after long-term application of organic and inorganic fertilizers. Nutrient Cycling in Agroecosystems, 2009, 85, 241-252.	1.1	64
122	Degradation of Polychlorinated Biphenyls in the Rhizosphere of Rape, Brassica napus L.. Bulletin of Environmental Contamination and Toxicology, 2009, 82, 727-731.	1.3	23
123	Bioavailability of Lead and Cadmium in Soils Artificially Contaminated with Smelter Fly Ash. Bulletin of Environmental Contamination and Toxicology, 2009, 83, 286-290.	1.3	6
124	Changes in cadmium mobility during composting and after soil application. Waste Management, 2009, 29, 2282-2288.	3.7	36
125	Effect of ozonation on polychlorinated biphenyl degradation and on soil physico-chemical properties. Journal of Hazardous Materials, 2009, 161, 1202-1207.	6.5	31
126	A comparison of arsenic mobility in Phaseolus vulgaris, Mentha aquatica, and Pteris cretica rhizosphere. Open Life Sciences, 2009, 4, 107-116.	0.6	7

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127	Nutrient mobilization and nutrient contents of <i>Zea mays</i> in response to EDTA additions to heavyâ€metalâ€contaminated agricultural soil. Journal of Plant Nutrition and Soil Science, 2009, 172, 520-527.	1.1	8
128	The use of differential pulse anodic stripping voltammetry and diffusive gradient in thin films for heavy metals speciation in soil solution. Open Chemistry, 2008, 6, 71-79.	1.0	11
129	The use of poplar during a two-year induced phytoextraction of metals from contaminated agricultural soils. Environmental Pollution, 2008, 151, 27-38.	3.7	69
130	Glutamate kinase as a potential biomarker of heavy metal stress in plants. Ecotoxicology and Environmental Safety, 2008, 70, 223-230.	2.9	50
131	Phytoextraction of Pb and Cd from a contaminated agricultural soil using different EDTA application regimes: Laboratory versus field scale measures of efficiency. Geoderma, 2008, 144, 446-454.	2.3	138
132	The use of maize and poplar in chelant-enhanced phytoextraction of lead from contaminated agricultural soils. Chemosphere, 2007, 67, 640-651.	4.2	122
133	Variation in the uptake of Arsenic, Cadmium, Lead, and Zinc by different species of willows Salix spp. grown in contaminated soils. Open Life Sciences, 2007, 2, 254-275.	0.6	47
134	Response of Pepper Plants (Capsicum annum L.) on Soil Amendment by Inorganic and Organic Compounds of Arsenic. Archives of Environmental Contamination and Toxicology, 2007, 52, 38-46.	2.1	12
135	Exploitation of Fast Growing Trees in Metal Remediation. , 2006, , 83-102.		10
136	A comparison of phytoremediation capability of selected plant species for given trace elements. Environmental Pollution, 2006, 144, 93-100.	3.7	167
137	The response of tomato (Lycopersicon esculentum) to different concentrations of inorganic and organic compounds of arsenic. Biologia (Poland), 2006, 61, 91-96.	0.8	11
138	Evaluation of extraction/digestion techniques used to determine lead isotopic composition in forest soils. Analytical and Bioanalytical Chemistry, 2006, 385, 1109-1115.	1.9	44
139	A comparison of sequential extraction procedures for fractionation of arsenic, cadmium, lead, and zinc in soil. Open Chemistry, 2005, 3, 830-851.	1.0	11
140	Comparison of mild extraction procedures for determination of arsenic compounds in different parts of pepper plants (Capsicum annum, L.). Applied Organometallic Chemistry, 2005, 19, 308-314.	1.7	24
141	Development of a procedure for the sequential extraction of substances binding trace elements in plant biomass. Analytical and Bioanalytical Chemistry, 2005, 381, 863-872.	1.9	3
142	Comparison of mild extraction procedures for determination of plant-available arsenic compounds in soil. Analytical and Bioanalytical Chemistry, 2005, 382, 142-148.	1.9	17
143	Separation of organic compounds binding trace elements in seeds ofLeuzea carthamoides(Willd.) DC. Applied Organometallic Chemistry, 2004, 18, 619-625.	1.7	4
144	Binding forms of risk elements in root fractions of Leuzea carthamoides (Willd.) DC. International Biodeterioration and Biodegradation, 2004, 54, 239-243.	1.9	1

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145	Mechanism of Physiological Effects of Titanium Leaf Sprays on Plants Grown on Soil. Biological Trace Element Research, 2003, 91, 179-190.	1.9	42
146	Arsenic compounds in leaves and roots of radish grown in soil treated by arsenite, arsenate and dimethylarsinic acid. Applied Organometallic Chemistry, 2002, 16, 216-220.	1.7	58
147	The effect of soil properties on cadmium bonds to organic substances of spinach biomass. Applied Organometallic Chemistry, 2002, 16, 187-191.	1.7	15
148	The sequential analytical procedure as a tool for evaluation of As, Cd and Zn mobility in soil. Fresenius' Journal of Analytical Chemistry, 1999, 363, 594-595.	1.5	65