

Filip M G Tack

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

194
papers

9,903
citations

57
h-index

91
g-index

203
ext. papers

11,133
ext. citations

6.6
avg, IF

6.25
L-index

#	Paper	IF	Citations
194	The beneficial and hazardous effects of selenium on the health of the soil-plant-human system: An overview. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126876	12.8	17
193	Evaluating the adsorptive capacity of three Tunisian clays deposits for several potentially toxic metals in phosphogypsum waste. <i>Arabian Journal of Geosciences</i> , 2022 , 15, 1	1.8	
192	Sedimentation of metals in Sundarban mangrove ecosystem: Dominant drivers and environmental risks.. <i>Environmental Geochemistry and Health</i> , 2022 , 1	4.7	1
191	Speciation of P in Solid Organic Fertilisers from Digestate and Biowaste. <i>Agronomy</i> , 2021 , 11, 2233	3.6	2
190	Harnessing biofertilizer from human urine via chemogenic and biogenic routes: Synthesis, characterization and agronomic application. <i>Environmental Technology and Innovation</i> , 2021 , 25, 102152 ⁷		1
189	Cu phytoextraction and biomass utilization as essential trace element feed supplements for livestock. <i>Environmental Pollution</i> , 2021 , 294, 118627	9.3	1
188	Effect of fertilization, carbon-based material, and redmud amendments on the bacterial activity and diversity of a metal(loid) contaminated mining soil. <i>Land Degradation and Development</i> , 2021 , 32, 2618-2628	4.4	3
187	A review of green remediation strategies for heavy metal contaminated soil. <i>Soil Use and Management</i> , 2021 , 37, 936	3.1	29
186	Effects of carbon-based materials and redmuds on metal(loid) immobilization and growth of <i>Salix dasyclados</i> Wimm. on a former mine Technosol contaminated by arsenic and lead. <i>Land Degradation and Development</i> , 2021 , 32, 467-481	4.4	14
185	Zn phytoextraction and recycling of alfalfa biomass as potential Zn-biofortified feed crop. <i>Science of the Total Environment</i> , 2021 , 760, 143424	10.2	7
184	Solid fraction of separated digestate as soil improver: implications for soil fertility and carbon sequestration. <i>Journal of Soils and Sediments</i> , 2021 , 21, 678-688	3.4	6
183	Speciation, transportation, and pathways of cadmium in soil-rice systems: A review on the environmental implications and remediation approaches for food safety. <i>Environment International</i> , 2021 , 156, 106749	12.9	21
182	Cadmium stress in plants: A critical review of the effects, mechanisms, and tolerance strategies. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 1-52	11.1	38
181	Remediation of Aviation Kerosene-Contaminated Soil by Sophorolipids from <i>Candida bombicola</i> CB 2107. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1981	2.6	3
180	Overview of Soil and Groundwater Remediation 2020 , 1-11		3
179	Remediation of mercury contaminated soil, water, and air: A review of emerging materials and innovative technologies. <i>Environment International</i> , 2020 , 134, 105281	12.9	123
178	Field trials of phytomining and phytoremediation: A critical review of influencing factors and effects of additives. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 50, 2724-2774	11.1	42

177	Leaching behavior of Cd, Zn and nutrients (K, P, S) from a contaminated soil as affected by amendment with biochar. <i>Chemosphere</i> , 2020 , 245, 125561	8.4	10
176	Application of biochars and solid fraction of digestate to decrease soil solution Cd, Pb and Zn concentrations in contaminated sandy soils. <i>Environmental Geochemistry and Health</i> , 2020 , 42, 1589-1600	4.7	6
175	Effects of selenium on the uptake of toxic trace elements by crop plants: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 1-36	11.1	19
174	Effects of aging and weathering on immobilization of trace metals/metalloids in soils amended with biochar. <i>Environmental Sciences: Processes and Impacts</i> , 2020 , 22, 1790-1808	4.3	14
173	Distribution characteristics of Cd in different types of leaves of Festuca arundinacea intercropped with Cicer arietinum L.: A new strategy to remove pollutants by harvesting senescent and dead leaves. <i>Environmental Research</i> , 2019 , 179, 108801	7.9	11
172	Metal sorption by biochars: A trade-off between phosphate and carbonate concentration as governed by pyrolysis conditions. <i>Journal of Environmental Management</i> , 2019 , 246, 496-504	7.9	11
171	Effect of biochars pyrolyzed in N and CO, and feedstock on microbial community in metal(loid)s contaminated soils. <i>Environment International</i> , 2019 , 126, 791-801	12.9	36
170	Potential of Biochar for Managing Metal Contaminated Areas, in Synergy With Phytomanagement or Other Management Options 2019 , 91-111		4
169	Effect of gasification biochar application on soil quality: Trace metal behavior, microbial community, and soil dissolved organic matter. <i>Journal of Hazardous Materials</i> , 2019 , 365, 684-694	12.8	100
168	Redox chemistry of vanadium in soils and sediments: Interactions with colloidal materials, mobilization, speciation, and relevant environmental implications- A review. <i>Advances in Colloid and Interface Science</i> , 2019 , 265, 1-13	14.3	58
167	Model-based optimisation and economic analysis to quantify the viability and profitability of an integrated nutrient and energy recovery treatment train. <i>Journal of Environmental Engineering and Science</i> , 2019 , 14, 2-12	0.8	0
166	Impact of organic amendments (biochar, compost and peat) on Cd and Zn mobility and solubility in contaminated soil of the Campine region after three years. <i>Science of the Total Environment</i> , 2018 , 626, 195-202	10.2	93
165	Metal(loid) immobilization in soils with biochars pyrolyzed in N and CO environments. <i>Science of the Total Environment</i> , 2018 , 630, 1103-1114	10.2	35
164	Cadmium phytoremediation potential of Brassica crop species: A review. <i>Science of the Total Environment</i> , 2018 , 631-632, 1175-1191	10.2	177
163	Chemical stabilization of Cd-contaminated soil using biochar. <i>Applied Geochemistry</i> , 2018 , 88, 122-130	3.5	54
162	Development, implementation, and validation of a generic nutrient recovery model (NRM) library. <i>Environmental Modelling and Software</i> , 2018 , 99, 170-209	5.2	30
161	Economic Optimization of Integrated Nutrient and Energy Recovery Treatment Trains Using a New Model Library. <i>Computer Aided Chemical Engineering</i> , 2018 , 44, 1969-1974	0.6	1
160	Optimizing the configuration of integrated nutrient and energy recovery treatment trains: A new application of global sensitivity analysis to the generic nutrient recovery model (NRM) library. <i>Bioresource Technology</i> , 2018 , 269, 375-383	11	8

159	Nutrient recovery from digested waste: Towards a generic roadmap for setting up an optimal treatment train. <i>Waste Management</i> , 2018 , 78, 385-392	8.6	18
158	Watering regime influences Cd concentrations in cultivated spinach. <i>Journal of Environmental Management</i> , 2017 , 186, 201-206	7.9	12
157	Bioaccessibility of selenium from cooked rice as determined in a simulator of the human intestinal tract (SHIME). <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 3540-3545	4.3	22
156	The effect of lead exposure on fatty acid composition in mouse brain analyzed using pseudo-catalytic derivatization. <i>Environmental Pollution</i> , 2017 , 222, 182-190	9.3	11
155	Comparative Evaluation of Pre-treatment Methods to Enhance Phosphorus Release from Digestate. <i>Waste and Biomass Valorization</i> , 2017 , 8, 659-667	3.2	7
154	Arsenic, chromium, molybdenum, and selenium: Geochemical fractions and potential mobilization in riverine soil profiles originating from Germany and Egypt. <i>Chemosphere</i> , 2017 , 180, 553-563	8.4	78
153	A critical review on effects, tolerance mechanisms and management of cadmium in vegetables. <i>Chemosphere</i> , 2017 , 182, 90-105	8.4	232
152	Fertilizer performance of liquid fraction of digestate as synthetic nitrogen substitute in silage maize cultivation for three consecutive years. <i>Science of the Total Environment</i> , 2017 , 599-600, 1885-1894	10.2	47
151	Does acidification increase the nitrogen fertilizer replacement value of bio-based fertilizers?. <i>Journal of Plant Nutrition and Soil Science</i> , 2017 , 180, 800-810	2.3	11
150	Nutrient Recovery from Digestate: Systematic Technology Review and Product Classification. <i>Waste and Biomass Valorization</i> , 2017 , 8, 21-40	3.2	193
149	Roadmap for setting up an optimal treatment train configuration for nutrient recovery from (digested) residuals. <i>Proceedings of the Water Environment Federation</i> , 2017 , 2017, 166-172		
148	Selenium bioaccessibility in stomach, small intestine and colon: Comparison between pure Se compounds, Se-enriched food crops and food supplements. <i>Food Chemistry</i> , 2016 , 197, 382-7	8.5	56
147	Mild hydrothermal conditioning prior to torrefaction and slow pyrolysis of low-value biomass. <i>Bioresource Technology</i> , 2016 , 217, 104-12	11	22
146	Utilization of derivatives from nutrient recovery processes as alternatives for fossil-based mineral fertilizers in commercial greenhouse production of <i>Lactuca sativa</i> L.. <i>Scientia Horticulturae</i> , 2016 , 198, 267-276	4.1	30
145	Phosphorus Use Efficiency of Bio-Based Fertilizers: Bioavailability and Fractionation. <i>Pedosphere</i> , 2016 , 26, 310-325	5	49
144	Westernized diets lower arsenic gastrointestinal bioaccessibility but increase microbial arsenic speciation changes in the colon. <i>Chemosphere</i> , 2015 , 119, 757-762	8.4	28
143	Vertical Distribution of Copper in Copper-Contaminated Coffee Fields in Kilimanjaro, Tanzania. <i>Communications in Soil Science and Plant Analysis</i> , 2015 , 46, 1187-1199	1.5	2
142	Metal and nutrient dynamics in decomposing tree litter on a metal contaminated site. <i>Environmental Pollution</i> , 2014 , 189, 54-62	9.3	21

141	Selenium content of Belgian cultivated soils and its uptake by field crops and vegetables. <i>Science of the Total Environment</i> , 2014 , 468-469, 77-82	10.2	69
140	Assessing Nutrient Use Efficiency and Environmental Pressure of Macronutrients in Biobased Mineral Fertilizers: A Review of Recent Advances and Best Practices at Field Scale. <i>Advances in Agronomy</i> , 2014 , 128, 137-180	7.7	24
139	Trace Elements in Potato. <i>Potato Research</i> , 2014 , 57, 311-325	3.2	11
138	Safe use of metal-contaminated agricultural land by cultivation of energy maize (<i>Zea mays</i>). <i>Environmental Pollution</i> , 2013 , 178, 375-80	9.3	38
137	Effect of composting on the Cd, Zn and Mn content and fractionation in feedstock mixtures with wood chips from a short-rotation coppice and bark. <i>Waste Management</i> , 2013 , 33, 2195-203	8.6	15
136	Closing the nutrient cycle by using bio-digestion waste derivatives as synthetic fertilizer substitutes: A field experiment. <i>Biomass and Bioenergy</i> , 2013 , 55, 175-189	5.3	75
135	Opportunities for domesticating the African baobab (<i>Adansonia digitata</i> L.): multi-trait fruit selection. <i>Agroforestry Systems</i> , 2013 , 87, 493-505	2	19
134	Organ- and species-specific accumulation of metals in two land snail species (Gastropoda, Pulmonata). <i>Science of the Total Environment</i> , 2013 , 449, 470-81	10.2	18
133	An investigation on the modelling of kinetics of thermal decomposition of hazardous mercury wastes. <i>Journal of Hazardous Materials</i> , 2013 , 260, 358-67	12.8	17
132	Arsenic undergoes significant speciation changes upon incubation of contaminated rice with human colon micro biota. <i>Journal of Hazardous Materials</i> , 2013 , 262, 1237-44	12.8	34
131	Forest floor leachate fluxes under six different tree species on a metal contaminated site. <i>Science of the Total Environment</i> , 2013 , 447, 99-107	10.2	19
130	Ecological and economic benefits of the application of bio-based mineral fertilizers in modern agriculture. <i>Biomass and Bioenergy</i> , 2013 , 49, 239-248	5.3	89
129	Field evaluation of willow under short rotation coppice for phytomanagement of metal-polluted agricultural soils. <i>International Journal of Phytoremediation</i> , 2013 , 15, 677-89	3.9	50
128	Trace metals accumulation in <i>Bacopa monnieri</i> and their bioaccessibility. <i>Planta Medica</i> , 2013 , 79, 1081-3,1	3.1	6
127	Arsenic bioaccessibility upon gastrointestinal digestion is highly determined by its speciation and lipid-bile salt interactions. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013 , 48, 656-65	2.3	25
126	Use of selenium fertilizers for production of Se-enriched Kenaf (<i>Hibiscus cannabinus</i>): Effect on Se concentration and plant productivity. <i>Journal of Plant Nutrition and Soil Science</i> , 2013 , 176, 634-639	2.3	13
125	Arsenic in cooked rice: effect of chemical, enzymatic and microbial processes on bioaccessibility and speciation in the human gastrointestinal tract. <i>Environmental Pollution</i> , 2012 , 162, 241-6	9.3	121
124	Phytoremediation, a sustainable remediation technology? Conclusions from a case study. I: Energy production and carbon dioxide abatement. <i>Biomass and Bioenergy</i> , 2012 , 39, 454-469	5.3	108

123	Phytoremediation, a sustainable remediation technology? II: Economic assessment of CO ₂ abatement through the use of phytoremediation crops for renewable energy production. <i>Biomass and Bioenergy</i> , 2012 , 39, 470-477	5.3	57
122	Fertilizing soil with selenium fertilizers: impact on concentration, speciation, and bioaccessibility of selenium in leek (<i>Allium ampeloprasum</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 10930-5	5.7	47
121	Road-deposited sediments in an urban environment: A first look at sequentially extracted element loads in grain size fractions. <i>Journal of Hazardous Materials</i> , 2012 , 225-226, 54-62	12.8	73
120	The role of the litter compartment in a constructed floating wetland. <i>Ecological Engineering</i> , 2012 , 39, 71-80	3.9	23
119	Extensive grinding and pressurized extraction with water are key points for effective and species preserving extraction of arsenic from rice. <i>Analytical Methods</i> , 2012 , 4, 1237	3.2	25
118	HPLC-ICP-MS method development to monitor arsenic speciation changes by human gut microbiota. <i>Biomedical Chromatography</i> , 2012 , 26, 524-33	1.7	44
117	Mercury mobility and availability in highly contaminated solid wastes from a chlor-alkali plant. <i>International Journal of Environment and Sustainable Development</i> , 2012 , 11, 3	1.3	7
116	Integrated Constructed Wetlands (ICW): Ecological Development in Constructed Wetlands for Manure Treatment. <i>Wetlands</i> , 2011 , 31, 763-771	1.7	17
115	Elevated Cd and Zn uptake by aspen limits the phytostabilization potential compared to five other tree species. <i>Ecological Engineering</i> , 2011 , 37, 1072-1080	3.9	44
114	Potential of thermal treatment for decontamination of mercury containing wastes from chlor-alkali industry. <i>Journal of Hazardous Materials</i> , 2011 , 186, 114-8	12.8	47
113	Short rotation coppice culture of willows and poplars as energy crops on metal contaminated agricultural soils. <i>International Journal of Phytoremediation</i> , 2011 , 13 Suppl 1, 194-207	3.9	95
112	Distribution and mobilization of pollutants in the sediment of a constructed floating wetland used for treatment of combined sewer overflow events. <i>Water Environment Research</i> , 2011 , 83, 427-39	2.8	11
111	Factors Affecting Metal Mobilisation During Oxidation of Sulphidic, Sandy Wetland Substrates 2010 , 287-297		
110	Assisted Phytoextraction: Helping Plants to Help Us. <i>Elements</i> , 2010 , 6, 383-388	3.8	30
109	Economic viability of phytoremediation of a cadmium contaminated agricultural area using energy maize. Part I: effect on the farmer's income. <i>International Journal of Phytoremediation</i> , 2010 , 12, 650-62	3.9	32
108	The use of bio-energy crops (<i>Zea mays</i>) for phytoattenuation of heavy metals on moderately contaminated soils: a field experiment. <i>Chemosphere</i> , 2010 , 78, 35-41	8.4	190
107	Trace Elements: General Soil Chemistry, Principles and Processes 2010 , 9-37		26
106	Chemically enhanced phytoextraction of Pb by wheat in texturally different soils. <i>Chemosphere</i> , 2010 , 79, 652-8	8.4	30

105	Effects of Vegetation, Season and Temperature on the Removal of Pollutants in Experimental Floating Treatment Wetlands. <i>Water, Air, and Soil Pollution</i> , 2010 , 212, 281-297	2.6	102
104	Hydrological regime and salinity alter the bioavailability of Cu and Zn in wetlands. <i>Environmental Pollution</i> , 2010 , 158, 1870-5	9.3	12
103	Influence of flooding and metal immobilising soil amendments on availability of metals for willows and earthworms in calcareous dredged sediment-derived soils. <i>Environmental Pollution</i> , 2010 , 158, 2181-83	9.3	14
102	Shelling in the First World War Increased the Soil Heavy Metal Concentration. <i>Quantitative Geology and Geostatistics</i> , 2010 , 243-254		
101	Trace metal behaviour in estuarine and riverine floodplain soils and sediments: a review. <i>Science of the Total Environment</i> , 2009 , 407, 3972-85	10.2	792
100	Enhanced phytoextraction of uranium and selected heavy metals by Indian mustard and ryegrass using biodegradable soil amendments. <i>Science of the Total Environment</i> , 2009 , 407, 1496-505	10.2	83
99	Heavy metal mobility in intertidal sediments of the Scheldt estuary: Field monitoring. <i>Science of the Total Environment</i> , 2009 , 407, 2919-30	10.2	62
98	Effects of willow stands on heavy metal concentrations and top soil properties of infrastructure spoil landfills and dredged sediment-derived sites. <i>Science of the Total Environment</i> , 2009 , 407, 5289-97	10.2	16
97	Effect of Water Table Level on Metal Mobility at Different Depths in Wetland Soils of the Scheldt Estuary (Belgium). <i>Water, Air, and Soil Pollution</i> , 2009 , 202, 353-367	2.6	39
96	Short-Rotation Coppice of Willow for Phytoremediation of a Metal-Contaminated Agricultural Area: A Sustainability Assessment. <i>Bioenergy Research</i> , 2009 , 2, 144-152	3.1	73
95	Factors affecting metal concentrations in reed plants (<i>Phragmites australis</i>) of intertidal marshes in the Scheldt estuary. <i>Ecological Engineering</i> , 2009 , 35, 310-318	3.9	50
94	A comparative study of surface and subsurface flow constructed wetlands for treatment of combined sewer overflows: A greenhouse experiment. <i>Ecological Engineering</i> , 2009 , 35, 175-183	3.9	34
93	EDTA-assisted Pb phytoextraction. <i>Chemosphere</i> , 2009 , 74, 1279-91	8.4	192
92	Presence and mobility of arsenic in estuarine wetland soils of the Scheldt estuary (Belgium). <i>Journal of Environmental Monitoring</i> , 2009 , 11, 873-81		30
91	Heavy Metal Displacement by Exchangeable Bases (Ca, Mg, K, Na) in Soils and Sediments. <i>Soil Science</i> , 2009 , 174, 202-209	0.9	8
90	Effect of Physicochemical Soil Characteristics on Copper and Lead Solubility in Polluted and Unpolluted Soils. <i>Soil Science</i> , 2009 , 174, 601-610	0.9	13
89	Effect of salinity on heavy metal mobility and availability in intertidal sediments of the Scheldt estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2008 , 77, 589-602	2.9	160
88	Effect of biodegradable amendments on uranium solubility in contaminated soils. <i>Science of the Total Environment</i> , 2008 , 391, 26-33	10.2	32

87	Cycling and ecosystem impact of metals in contaminated calcareous dredged sediment-derived soils (Flanders, Belgium). <i>Science of the Total Environment</i> , 2008 , 400, 283-9	10.2	13
86	Chemically assisted phytoextraction: a review of potential soil amendments for increasing plant uptake of heavy metals. <i>International Journal of Phytoremediation</i> , 2008 , 10, 390-414	3.9	84
85	Effect of decomposing litter on the mobility and availability of metals in the soil of a recently created floodplain. <i>Geoderma</i> , 2008 , 147, 34-46	6.7	21
84	Degradability of ethylenediaminedisuccinic acid (EDDS) in metal contaminated soils: implications for its use soil remediation. <i>Chemosphere</i> , 2008 , 70, 358-63	8.4	72
83	Factors Affecting Metal Accumulation, Mobility and Availability in Intertidal Wetlands of the Scheldt Estuary (Belgium) 2008 , 121-133		4
82	Application of a Full-scale Constructed Wetland for Tertiary Treatment of Piggery Manure: Monitoring Results. <i>Water, Air, and Soil Pollution</i> , 2008 , 193, 15-24	2.6	49
81	Extraction of labile metals from solid media by dilute hydrochloric acid. <i>Environmental Monitoring and Assessment</i> , 2008 , 138, 119-30	3.1	35
80	Metal accumulation in intertidal marshes: Role of sulphide precipitation. <i>Wetlands</i> , 2008 , 28, 735-746	1.7	43
79	Removal of Heavy Metals from Industrial Effluents by the Submerged Aquatic Plant <i>Myriophyllum spicatum</i> L. 2008 , 211-221		5
78	Factors affecting metal concentrations in the upper sediment layer of intertidal reedbeds along the river Scheldt. <i>Journal of Environmental Monitoring</i> , 2007 , 9, 449-55		63
77	Effects of sorption, sulphate reduction, and <i>Phragmites australis</i> on the removal of heavy metals in subsurface flow constructed wetland microcosms. <i>Water Science and Technology</i> , 2007 , 56, 193-8	2.2	44
76	Sorption of Co, Cu, Ni and Zn from industrial effluents by the submerged aquatic macrophyte <i>Myriophyllum spicatum</i> L.. <i>Ecological Engineering</i> , 2007 , 30, 320-325	3.9	81
75	Potential of five willow species (<i>Salix</i> spp.) for phytoextraction of heavy metals. <i>Environmental and Experimental Botany</i> , 2007 , 60, 57-68	5.9	141
74	Phytoavailability assessment of heavy metals in soils by single extractions and accumulation by <i>Phaseolus vulgaris</i> . <i>Environmental and Experimental Botany</i> , 2007 , 60, 385-396	5.9	168
73	Influence of flooding, salinity and inundation time on the bioavailability of metals in wetlands. <i>Science of the Total Environment</i> , 2007 , 380, 144-53	10.2	24
72	Accumulation of metals in a horizontal subsurface flow constructed wetland treating domestic wastewater in Flanders, Belgium. <i>Science of the Total Environment</i> , 2007 , 380, 102-15	10.2	129
71	Uptake of Cd, Zn and Mn by willow increases during terrestrialisation of initially ponded polluted sediments. <i>Science of the Total Environment</i> , 2007 , 380, 133-43	10.2	15
70	Accumulation of Metals in the Sediment and Reed Biomass of a Combined Constructed Wetland Treating Domestic Wastewater. <i>Water, Air, and Soil Pollution</i> , 2007 , 183, 253-264	2.6	48

69	Sequential Extraction of Lead from Grain Size Fractionated River Sediments Using the Optimized BCR Procedure. <i>Water, Air, and Soil Pollution</i> , 2007 , 184, 269-284	2.6	17
68	Effect of submergence-emergence sequence and organic matter or aluminosilicate amendment on metal uptake by woody wetland plant species from contaminated sediments. <i>Environmental Pollution</i> , 2007 , 145, 329-38	9.3	14
67	Influence of hydrological regime on pore water metal concentrations in a contaminated sediment-derived soil. <i>Environmental Pollution</i> , 2007 , 147, 615-25	9.3	122
66	Tree species effect on the redistribution of soil metals. <i>Environmental Pollution</i> , 2007 , 149, 173-81	9.3	65
65	Cu sorption on <i>Phragmites australis</i> leaf and stem litter: a kinetic study. <i>Chemosphere</i> , 2007 , 69, 1136-438.4		10
64	Comparison of cadmium extractability from soils by commonly used single extraction protocols. <i>Geoderma</i> , 2007 , 141, 247-259	6.7	141
63	PHYTOREMEDIATION FOR HEAVY METAL-CONTAMINATED SOILS COMBINED WITH BIOENERGY PRODUCTION. <i>Journal of Environmental Engineering and Landscape Management</i> , 2007 , 15, 227-236	1.1	156
62	Seasonal changes of metals in willow (<i>Salix</i> sp.) stands for phytoremediation on dredged sediment. <i>Environmental Science & Technology</i> , 2006 , 40, 1962-8	10.3	65
61	Fate of heavy metals during fixed bed downdraft gasification of willow wood harvested from contaminated sites. <i>Biomass and Bioenergy</i> , 2006 , 30, 58-65	5.3	59
60	Metal accumulation in intertidal litter through decomposing leaf blades, sheaths and stems of <i>Phragmites australis</i> . <i>Chemosphere</i> , 2006 , 63, 1815-23	8.4	84
59	Zn in the soil solution of unpolluted and polluted soils as affected by soil characteristics. <i>Geoderma</i> , 2006 , 136, 107-119	6.7	45
58	Soil solution Cd, Cu and Zn concentrations as affected by short-time drying or wetting: The role of hydrous oxides of Fe and Mn. <i>Geoderma</i> , 2006 , 137, 83-89	6.7	75
57	Potential use of the plant antioxidant network for environmental exposure assessment of heavy metals in soils. <i>Environmental Monitoring and Assessment</i> , 2006 , 120, 243-67	3.1	24
56	Water Extractability of Trace Metals from Soils: Some Pitfalls. <i>Water, Air, and Soil Pollution</i> , 2006 , 176, 21-35	2.6	28
55	Physico-Chemical P Removal from the Liquid Fraction of Pig Manure as an Intermediary Step in Manure Processing. <i>Water, Air, and Soil Pollution</i> , 2006 , 169, 317-330	2.6	19
54	Enhanced phytoextraction: I. Effect of EDTA and citric acid on heavy metal mobility in a calcareous soil. <i>International Journal of Phytoremediation</i> , 2005 , 7, 129-42	3.9	44
53	Reverse osmosis sampling does not affect the protective effect of dissolved organic matter on copper and zinc toxicity to freshwater organisms. <i>Chemosphere</i> , 2005 , 58, 653-8	8.4	22
52	Comparison of EDTA and EDDS as potential soil amendments for enhanced phytoextraction of heavy metals. <i>Chemosphere</i> , 2005 , 58, 1011-22	8.4	326

51	Growth and trace metal accumulation of two <i>Salix</i> clones on sediment-derived soils with increasing contamination levels. <i>Chemosphere</i> , 2005 , 58, 995-1002	8.4	90
50	Potential of <i>Brassica rapa</i> , <i>Cannabis sativa</i> , <i>Helianthus annuus</i> and <i>Zea mays</i> for phytoextraction of heavy metals from calcareous dredged sediment derived soils. <i>Chemosphere</i> , 2005 , 61, 561-72	8.4	141
49	Mercury baseline levels in Flemish soils (Belgium). <i>Environmental Pollution</i> , 2005 , 134, 173-9	9.3	85
48	The effect of hydrological regime on the metal bioavailability for the wetland plant species <i>Salix cinerea</i> . <i>Environmental Pollution</i> , 2005 , 135, 303-12	9.3	29
47	Availability of heavy metals for uptake by <i>Salix viminalis</i> on a moderately contaminated dredged sediment disposal site. <i>Environmental Pollution</i> , 2005 , 137, 354-64	9.3	97
46	Soil-solution speciation of Cd as affected by soil characteristics in unpolluted and polluted soils. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 499-509	3.8	38
45	Rates of forest floor decomposition and soil forming processes as indicators of forest ecosystem functioning on a polluted dredged sediment landfill. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 761-769	7.5	7
44	Differences in Cd and Zn bioaccumulation for the flood-tolerant <i>Salix cinerea</i> rooting in seasonally flooded contaminated sediments. <i>Science of the Total Environment</i> , 2005 , 341, 251-63	10.2	20
43	Tertiary treatment of the liquid fraction of pig manure with <i>Phragmites australis</i> . <i>Water, Air, and Soil Pollution</i> , 2005 , 160, 15-26	2.6	27
42	Enhanced phytoextraction: II. Effect of EDTA and citric acid on heavy metal uptake by <i>Helianthus annuus</i> from a calcareous soil. <i>International Journal of Phytoremediation</i> , 2005 , 7, 143-52	3.9	63
41	Effect of dissolved organic matter source on acute copper toxicity to <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2004 , 23, 1248-55	3.8	111
40	Assessment of the pollution status of alluvial plains: a case study for the dredged sediment-derived soils along the Leie River. <i>Archives of Environmental Contamination and Toxicology</i> , 2004 , 47, 14-22	3.2	16
39	The potential of foliar treatments for enhanced phytoextraction of heavy metals from contaminated soil. <i>Remediation</i> , 2004 , 14, 111-123	1.8	12
38	Foliar concentrations of volunteer willows growing on polluted sediment-derived sites versus sites with baseline contamination levels. <i>Journal of Environmental Monitoring</i> , 2004 , 6, 313-21		23
37	Enhanced phytoextraction: in search of EDTA alternatives. <i>International Journal of Phytoremediation</i> , 2004 , 6, 95-109	3.9	129
36	The importance of biological factors affecting trace metal concentration as revealed from accumulation patterns in co-occurring terrestrial invertebrates. <i>Environmental Pollution</i> , 2004 , 127, 335-41	9.3	22
35	Earthworm biomass as additional information for risk assessment of heavy metal biomagnification: a case study for dredged sediment-derived soils and polluted floodplain soils. <i>Environmental Pollution</i> , 2004 , 129, 363-75	9.3	43
34	Metal extraction from road-deposited sediments using nine partial decomposition procedures. <i>Applied Geochemistry</i> , 2004 , 19, 947-955	3.5	41

33	Cd and Zn concentration in hybrid poplar foliage and leaf beetles grown on polluted sediment-derived soils. <i>Environmental Monitoring and Assessment</i> , 2003 , 89, 263-83	3.1	31
32	Development and field validation of a predictive copper toxicity model for the green alga <i>Pseudokirchneriella subcapitata</i> . <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2454-65	3.8	103
31	Performance of selected destruction methods for the determination of heavy metals in reed plants (<i>Phragmites australis</i>). <i>Analytica Chimica Acta</i> , 2003 , 497, 191-198	6.6	76
30	Effects of a municipal solid waste compost and mineral fertilization on plant growth in two tropical agricultural soils of Mali. <i>Bioresource Technology</i> , 2003 , 86, 15-20	11	87
29	Characterisation of Malian and Belgian solid waste composts with respect to fertility and suitability for land application. <i>Waste Management</i> , 2003 , 23, 517-22	8.6	56
28	Field trial experiment: Phytoremediation with <i>Salix</i> sp. on a dredged sediment disposal site in Flanders, Belgium. <i>Remediation</i> , 2003 , 13, 87-97	1.8	19
27	Fractionation of Cu, Pb and Zn in certified reference soils SRM 2710 and SRM 2711 using the optimized BCR sequential extraction procedure. <i>Journal of Environmental Management</i> , 2003 , 8, 37-50		74
26	Storage mediums affect metal concentration in woodlice (Isopoda). <i>Environmental Pollution</i> , 2003 , 121, 87-93	9.3	18
25	Temporal-spatial trends in heavy metal contents in sediment-derived soils along the Sea Scheldt river (Belgium). <i>Environmental Pollution</i> , 2003 , 122, 7-18	9.3	31
24	Phytoremediation prospects of willow stands on contaminated sediment: a field trial. <i>Environmental Pollution</i> , 2003 , 126, 275-82	9.3	173
23	Metal concentrations in soil paste extracts as affected by extraction ratio. <i>Scientific World Journal, The</i> , 2002 , 2, 966-71	2.2	2
22	Heavy metal concentrations in the spiders <i>Pirata piraticus</i> (Clerck, 1757) and <i>Clubiona phragmitis</i> (C.L. Koch, 1843) along the Scheldt Estuary (Belgium). <i>Scientific World Journal, The</i> , 2002 , 2, 978-82	2.2	8
21	Heavy metal contents in surface soils along the Upper Scheldt river (Belgium) affected by historical upland disposal of dredged materials. <i>Science of the Total Environment</i> , 2002 , 290, 1-14	10.2	50
20	Heavy metal contents (Cd, Cu, Zn) in spiders (<i>Pirata piraticus</i>) living in intertidal sediments of the river Scheldt estuary (Belgium) as affected by substrate characteristics. <i>Science of the Total Environment</i> , 2002 , 289, 71-81	10.2	70
19	Cadmium and zinc uptake by volunteer willow species and elder rooting in polluted dredged sediment disposal sites. <i>Science of the Total Environment</i> , 2002 , 299, 191-205	10.2	53
18	Chemical characteristics of Malian and Belgian solid waste composts. <i>Bioresource Technology</i> , 2002 , 81, 97-101	11	81
17	Determination of Al, Cu, Fe, Mn, Pb and Zn in certified reference materials using the optimized BCR sequential extraction procedure. <i>Analytica Chimica Acta</i> , 2002 , 454, 249-257	6.6	111
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15	Metal extraction from road sediment using different strength reagents: impact on anthropogenic contaminant signals. <i>Environmental Monitoring and Assessment</i> , 2001 , 71, 221-42	3.1	18
14	Determination of Total Sulfur in Soils and Plants by an Automated Dry Combustion Method. <i>International Journal of Environmental Analytical Chemistry</i> , 2001 , 80, 219-226	1.8	2
13	Guidelines for sampling in Flanders (Belgium). <i>Science of the Total Environment</i> , 2001 , 264, 187-91	10.2	3
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10	Determination of Cd, Cu, Pb and Zn in Woodlouse (<i>Oniscus Asellus</i>). <i>International Journal of Environmental Analytical Chemistry</i> , 2000 , 78, 149-158	1.8	7
9	Metal phase associations in soils from an urban watershed, Honolulu, Hawaii. <i>Science of the Total Environment</i> , 2000 , 256, 103-13	10.2	43
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7	Single extractions versus sequential extraction for the estimation of heavy metal fractions in reduced and oxidised dredged sediments. <i>Chemical Speciation and Bioavailability</i> , 1999 , 11, 43-50		33
6	Heavy metal concentrations in consecutive saturation extracts of dredged sediment derived surface soils. <i>Environmental Pollution</i> , 1998 , 103, 109-115	9.3	40
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