Petra Kidd

List of Publications by Year in descending order

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64 papers	4,355 citations	126907 33 h-index	118850 62 g-index
64 all docs	64 docs citations	64 times ranked	4839 citing authors

#	Article	IF	Citations
1	The role of plant-associated bacteria in the mobilization and phytoextraction of trace elements in contaminated soils. Soil Biology and Biochemistry, 2013, 60, 182-194.	8.8	566
2	Trace element behaviour at the rootâ€“soil interface: Implications in phytoremediation. Environmental and Experimental Botany, 2009, 67, 243-259.	4.2	340
3	Agromining: Farming for Metals in the Future?. Environmental Science & Technology, 2015, 49, 4773-4780.	10.0	243
4	Bioavailability and plant accumulation of heavy metals and phosphorus in agricultural soils amended by long-term application of sewage sludge. Chemosphere, 2007, 66, 1458-1467.	8.2	233
5	Agronomic Practices for Improving Gentle Remediation of Trace Element-Contaminated Soils. International Journal of Phytoremediation, 2015, 17, 1005-1037.	3.1	197
6	Improving the Agronomy ofAlyssum muralefor Extensive Phytomining: A Five-Year Field Study. International Journal of Phytoremediation, 2015, 17, 117-127.	3.1	162
7	Phytoextraction of cadmium with Thlaspi caerulescens. Plant and Soil, 2003, 249, 27-35.	3.7	160
8	Why plants grow poorly on very acid soils: are ecologists missing the obvious?. Journal of Experimental Botany, 2001, 52, 791-799.	4.8	142
9	In-situ phytoextraction of Ni by a native population of Alyssum murale on an ultramafic site (Albania). Plant and Soil, 2007, 293, 79-89.	3.7	142
10	Current status and challenges in developing nickel phytomining: an agronomic perspective. Plant and Soil, 2016, 406, 55-69.	3.7	116
11	Long-term carbon sink in Borneoâ€™s forests halted by drought and vulnerable to edge effects. Nature Communications, 2017, 8, 1966.	12.8	116
12	Structure and floristics of an old secondary rain forest in Central Kalimantan, Indonesia, and a comparison with adjacent primary forest. Forest Ecology and Management, 2004, 195, 385-397.	3.2	112
13	Pseudometallophytes colonising Pb/Zn mine tailings: A description of the plantâ€“microorganismâ€“rhizosphere soil system and isolation of metal-tolerant bacteria. Journal of Hazardous Materials, 2012, 217-218, 350-359.	12.4	111
14	Biochar and compost amendments enhance copper immobilisation and support plant growth in contaminated soils. Journal of Environmental Management, 2016, 171, 101-112.	7.8	96
15	Heavy metal distribution in mine-soils and plants growing in a Pb/Zn-mining area in NW Spain. Applied Geochemistry, 2014, 44, 3-11.	3.0	94
16	Aided phytostabilisation reduces metal toxicity, improves soil fertility and enhances microbial activity in Cu-rich mine tailings. Journal of Environmental Management, 2017, 186, 301-313.	7.8	86
17	Phytoremediation of hexachlorocyclohexane (HCH)-contaminated soils using Cytisus striatus and bacterial inoculants in soils with distinct organic matter content. Environmental Pollution, 2013, 178, 202-210.	7.5	84
18	Rhizobacterial inoculants can improve nickel phytoextraction by the hyperaccumulator Alyssum pintodasilvae. Plant and Soil, 2014, 379, 35-50.	3.7	80

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19	A phytogeochemical study of the TrÃ¡s-os-Montes region (NE Portugal): Possible species for plant-based soil remediation technologies. Science of the Total Environment, 2006, 354, 265-277.	8.0	79
20	The effect of plant density in nickel-phytomining field experiments with Alyssum murale in Albania. Australian Journal of Botany, 2015, 63, 72.	0.6	72
21	Endophytic and rhizoplane bacteria associated with Cytisus striatus growing on hexachlorocyclohexane-contaminated soil: isolation and characterisation. Plant and Soil, 2011, 340, 413-433.	3.7	69
22	Organic amendments for improving biomass production and metal yield of Ni-hyperaccumulating plants. Science of the Total Environment, 2016, 548-549, 370-379.	8.0	60
23	Nickel drives bacterial community diversity in the rhizosphere of the hyperaccumulator Alyssum murale. Soil Biology and Biochemistry, 2017, 114, 121-130.	8.8	55
24	Selecting chemical and ecotoxicological test batteries for risk assessment of trace element-contaminated soils (phyto)managed by gentle remediation options (GRO). Science of the Total Environment, 2014, 496, 510-522.	8.0	49
25	Endophytic bacteria take the challenge to improve Cu phytoextraction by sunflower. Environmental Science and Pollution Research, 2015, 22, 5370-5382.	5.3	47
26	Use of plant growth promoting bacterial strains to improve Cytisus striatus and Lupinus luteus development for potential application in phytoremediation. Science of the Total Environment, 2017, 581-582, 676-688.	8.0	46
27	Assessing phytotoxicity of trace element-contaminated soils phytomanaged with gentle remediation options at ten European field trials. Science of the Total Environment, 2017, 599-600, 1388-1398.	8.0	45
28	Tolerance and bioaccumulation of heavy metals in five populations of Cistus ladanifer L. subsp. ladanifer. Plant and Soil, 2004, 258, 189-205.	3.7	44
29	Bacterially Induced Weathering of Ultramafic Rock and Its Implications for Phytoextraction. Applied and Environmental Microbiology, 2013, 79, 5094-5103.	3.1	44
30	Microbial community structure and activity in trace element-contaminated soils phytomanaged by Gentle Remediation Options (GRO). Environmental Pollution, 2017, 231, 237-251.	7.5	42
31	Enhanced Degradation of Diesel in the Rhizosphere of Lupinus luteus after Inoculation with Diesel-Degrading and Plant Growth-Promoting Bacterial Strains. Journal of Environmental Quality, 2016, 45, 924-932.	2.0	39
32	Xylem exudate composition and root-to-shoot nickel translocation in Alyssum species. Plant and Soil, 2013, 373, 59-75.	3.7	38
33	Assessing the agromining potential of Mediterranean nickel-hyperaccumulating plant species at field-scale in ultramafic soils under humid-temperate climate. Science of the Total Environment, 2018, 630, 275-286.	8.0	38
34	Potential Role of Plant-Associated Bacteria in Plant Metal Uptake and Implications in Phytotechnologies. Advances in Botanical Research, 2017, , 87-126.	1.1	36
35	Metal extraction by Alyssum serpyllifolium ssp. lusitanicum on mine-spoil soils from Spain. Science of the Total Environment, 2005, 336, 1-11.	8.0	34
36	Plant species-specificity and effects of bioinoculants and fertilization on plant performance for nickel phytomining. Plant and Soil, 2018, 425, 265-285.	3.7	30

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37	Characterization and degradation potential of diesel-degrading bacterial strains for application in bioremediation. International Journal of Phytoremediation, 2017, 19, 955-963.	3.1	29
38	Exogenous treatments with phytohormones can improve growth and nickel yield of hyperaccumulating plants. Science of the Total Environment, 2014, 494-495, 1-8.	8.0	28
39	Effect of plant root exudates on the desorption of hexachlorocyclohexane isomers from contaminated soils. Chemosphere, 2020, 241, 124920.	8.2	25
40	Keep and promote biodiversity at polluted sites under phytomanagement. Environmental Science and Pollution Research, 2020, 27, 44820-44834.	5.3	25
41	Rhizobacterial communities associated with the flora of three serpentine outcrops of the Iberian Peninsula. Plant and Soil, 2016, 403, 233-252.	3.7	22
42	Influence of new agromining cropping systems on soil bacterial diversity and the physico-chemical characteristics of an ultramafic soil. Science of the Total Environment, 2018, 645, 380-392.	8.0	22
43	Soil amendments affecting nickel uptake and growth performance of tropical â€˜metal cropsâ€™ used for agromining. Journal of Geochemical Exploration, 2019, 203, 78-86.	3.2	22
44	Phytoextraction of nickel and rhizosphere microbial communities under mono- or multispecies hyperaccumulator plant cover in a serpentine soil. Australian Journal of Botany, 2015, 63, 92.	0.6	21
45	Influence of Plant Root Exudates on the Mobility of Fuel Volatile Compounds in Contaminated Soils. International Journal of Phytoremediation, 2014, 16, 824-839.	3.1	20
46	Beneficial traits of root endophytes and rhizobacteria associated with plants growing in phytomanaged soils with mixed trace metal-polycyclic aromatic hydrocarbon contamination. Chemosphere, 2021, 277, 130272.	8.2	20
47	Draft Genome Sequences of 10 Microbacterium spp., with Emphasis on Heavy Metal-Contaminated Environments. Genome Announcements, 2015, 3, .	0.8	19
48	Inoculation methods usingRhodococcus erythropolisstrain P30 affects bacterial assisted phytoextraction capacity ofNicotiana tabacum. International Journal of Phytoremediation, 2016, 18, 406-415.	3.1	19
49	The Role of the Rhizosphere and Microbes Associated with Hyperaccumulator Plants in Metal Accumulation. Mineral Resource Reviews, 2018, , 157-188.	1.5	18
50	Phytomanagement of Metal(loid)-Contaminated Soils: Options, Efficiency and Value. Frontiers in Environmental Science, 2021, 9, .	3.3	17
51	Can organic amendments replace chemical fertilizers in nickel agromining cropping systems in Albania?. International Journal of Phytoremediation, 2019, 21, 43-51.	3.1	15
52	Effect of bacterial inoculants on phytomining of metals from waste incineration bottom ash. Waste Management, 2018, 73, 351-359.	7.4	12
53	The role of root exudates in aluminium resistance and siliconâ€induced amelioration of aluminium toxicity in three varieties of maize (Zea mays L.). Journal of Experimental Botany, 2001, 52, 1339-1352.	4.8	11
54	Leachability of volatile fuel compounds from contaminated soils and the effect of plant exudates: A comparison of column and batch leaching tests. Journal of Hazardous Materials, 2016, 304, 481-489.	12.4	10

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55	Effects of reclamation effort on the recovery of ecosystem functions of a tropical degraded serpentinite dump site. Journal of Geochemical Exploration, 2019, 200, 139-151.	3.2	10
56	Soil microbial and Ni-agronomic responses to Alyssum murale interplanted with a legume. Applied Soil Ecology, 2018, 132, 60-73.	4.3	8
57	Diversity and Role of Endophytic and Rhizosphere Microbes Associated with Hyperaccumulator Plants During Metal Accumulation. Mineral Resource Reviews, 2021, , 239-279.	1.5	7
58	Using AFLP genome scanning to explore serpentine adaptation and nickel hyperaccumulation in Alyssum serpyllifolium. Plant and Soil, 2017, 416, 391-408.	3.7	6
59	The Influence of Bottom Sediments and Inoculation with Rhizobacterial Inoculants on the Physiological State of Plants Used in Urban Plantings. Water (Switzerland), 2019, 11, 1792.	2.7	6
60	Strategies for Soil Protection and Remediation. , 2018, , 251-281.		5
61	The potential of Blepharidium guatemalense for nickel agromining in Mexico and Central America. International Journal of Phytoremediation, 2021, 23, 1157-1168.	3.1	5
62	The Application of Different Biological Remediation Strategies to PCDDs/PCDFs Contaminated Urban Sediments. Water (Switzerland), 2019, 11, 1962.	2.7	4
63	Editorial: Searching for Solutions to Soil Pollution: Underlying Soil-Contaminant Interactions and Development of Innovative Land Remediation and Reclamation Techniques. Frontiers in Environmental Science, 2022, 9, .	3.3	2
64	Contaminants and nutrients. Environmental Science and Pollution Research, 2009, 16, 361-362.	5.3	0