

Manhattan Lebrun

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

729
citations

567144

15
h-index

552653

26
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40
all docs

40
docs citations

40
times ranked

535
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of biochar amendments on As and Pb mobility and phytoavailability in contaminated mine technosols phytoremediated by <i>Salix</i> . <i>Journal of Geochemical Exploration</i> , 2017, 182, 149-156.	1.5	93
2	Biochar effect associated with compost and iron to promote Pb and As soil stabilization and <i>Salix viminalis</i> L. growth. <i>Chemosphere</i> , 2019, 222, 810-822.	4.2	75
3	Eco-restoration of a mine technosol according to biochar particle size and dose application: study of soil physico-chemical properties and phytostabilization capacities of <i>Salix viminalis</i> . <i>Journal of Soils and Sediments</i> , 2018, 18, 2188-2202.	1.5	66
4	Assisted phytostabilization of a multicontaminated mine technosol using biochar amendment: Early stage evaluation of biochar feedstock and particle size effects on As and Pb accumulation of two Salicaceae species (<i>Salix viminalis</i> and <i>Populus euramericana</i>). <i>Chemosphere</i> , 2018, 194, 316-326.	4.2	57
5	Assisted phytoremediation of a former mine soil using biochar and iron sulphate: Effects on As soil immobilization and accumulation in three Salicaceae species. <i>Science of the Total Environment</i> , 2020, 710, 136203.	3.9	45
6	Cd, Pb, and Zn mobility and (bio)availability in contaminated soils from a former smelting site amended with biochar. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25744-25756.	2.7	40
7	Amending an As/Pb contaminated soil with biochar, compost and iron grit: effect on <i>Salix viminalis</i> growth, root proteome profiles and metal(loid) accumulation indexes. <i>Chemosphere</i> , 2020, 244, 125397.	4.2	30
8	Effect of Fe-functionalized biochar on toxicity of a technosol contaminated by Pb and As: sorption and phytotoxicity tests. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33678-33690.	2.7	29
9	In-depth study to decipher mechanisms underlying <i>Arabidopsis thaliana</i> tolerance to metal(loid) soil contamination in association with biochar and/or bacteria. <i>Environmental and Experimental Botany</i> , 2021, 182, 104335.	2.0	23
10	Contrasted tolerance of <i>Agrostis capillaris</i> metallicolous and non-metallicolous ecotypes in the context of a mining technosol amended by biochar, compost and iron sulfate. <i>Environmental Geochemistry and Health</i> , 2021, 43, 1457-1475.	1.8	21
11	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.	1.8	19
12	Biochar Application Rate: Improving Soil Fertility and <i>Linum usitatissimum</i> Growth on an Arsenic and Lead Contaminated Technosol. <i>International Journal of Environmental Research</i> , 2021, 15, 125-134.	1.1	18
13	Assisted Phytoremediation of a Multi-contaminated Industrial Soil Using Biochar and Garden Soil Amendments Associated with <i>Salix alba</i> or <i>Salix viminalis</i> : Abilities to Stabilize As, Pb, and Cu. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	17
14	Effect of different tissue biochar amendments on As and Pb stabilization and phytoavailability in a contaminated mine technosol. <i>Science of the Total Environment</i> , 2020, 707, 135657.	3.9	17
15	Effect of Biochar and Amendments on Pb and As Phytotoxicity and Phytoavailability in a Technosol. <i>Clean - Soil, Air, Water</i> , 2019, 47, 1800220.	0.7	16
16	Rehabilitation of mine soils by phytostabilization: Does soil inoculation with microbial consortia stimulate <i>Agrostis</i> growth and metal(loid) immobilization?. <i>Science of the Total Environment</i> , 2021, 791, 148400.	3.9	15
17	Effects of biochar, ochre and manure amendments associated with a metallicolous ecotype of <i>Agrostis capillaris</i> on As and Pb stabilization of a former mine technosol. <i>Environmental Geochemistry and Health</i> , 2021, 43, 1491-1505.	1.8	14
18	Evaluation of direct and biochar carrier-based inoculation of <i>Bacillus</i> sp. on As- and Pb-contaminated technosol: effect on metal(loid) availability, <i>Salix viminalis</i> growth, and soil microbial diversity/activity. <i>Environmental Science and Pollution Research</i> , 2021, 28, 11195-11204.	2.7	14

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19	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.	1.8	11
20	Effect of fertilization of a biochar and compost amended technosol: Consequence on <i>Ailanthus altissima</i> growth and As and Pb specific root sorption. <i>Soil Use and Management</i> , 2020, 36, 766-772.	2.6	11
21	Biochar in manure can suppress water stress of sugar beet (<i>Beta vulgaris</i>) and increase sucrose content in tubers. <i>Science of the Total Environment</i> , 2022, 814, 152772.	3.9	11
22	Effect of biochar and redmud amendment combinations on <i>Salix triandra</i> growth, metal(loid) accumulation and oxidative stress response. <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110466.	2.9	9
23	Application of amendments for the phytoremediation of a former mine technosol by endemic pioneer species: alder and birch seedlings. <i>Environmental Geochemistry and Health</i> , 2021, 43, 77-89.	1.8	8
24	Assessment of compost and three biochars associated with <i>Ailanthus altissima</i> (Miller) Swingle for lead and arsenic stabilization in a post-mining Technosol. <i>Pedosphere</i> , 2021, 31, 944-953.	2.1	8
25	Evaluation of Different Amendment Combinations Associated with <i>Trifolium repens</i> to Stabilize Pb and As in a Mine-Contaminated Soil. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	7
26	The rhizosphere of <i>Salix viminalis</i> plants after a phytostabilization process assisted by biochar, compost, and iron grit: chemical and (micro)-biological analyses. <i>Environmental Science and Pollution Research</i> , 2021, 28, 47447-47462.	2.7	7
27	Physiological and molecular responses of flax (<i>Linum usitatissimum</i> L.) cultivars under a multicontaminated technosol amended with biochar. <i>Environmental Science and Pollution Research</i> , 2021, 28, 53728-53745.	2.7	7
28	Biochar application modifies soil properties of a former mine technosol: SEM/EDS study to investigate Pb and As speciation. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 5877-5887.	2.9	6
29	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.	1.8	6
30	Co-culture of <i>Salix viminalis</i> and <i>Trifolium repens</i> for the phytostabilisation of Pb and As in mine tailings amended with hardwood biochar. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1229-1244.	1.8	5
31	The reduction of the As and Pb phytotoxicity of a former mine technosol depends on the amendment type and properties. <i>Chemosphere</i> , 2022, 300, 134592.	4.2	5
32	Preliminary Characterization of a Post-Industrial Soil for Long-Term Remediation by Phytomanagement: Mesocosm Study of Its Phytotoxicity Before Field Application. <i>International Journal of Environmental Research</i> , 2020, 14, 93-105.	1.1	4
33	Effects of Different Biochars, Activated Carbons and Redmuds on the Growth of <i>Trifolium repens</i> and As and Pb Stabilization in a Former Mine Technosol. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 108, 403-414.	1.3	4
34	Biochar assisted phytoremediation for metal(loid) contaminated soils. , 2022, , 101-130.		4
35	Effect of Biochar Application Depth on a Former Mine Technosol: Impact on Metal(Loid)s and <i>Alnus</i> Growth. <i>Environments - MDPI</i> , 2021, 8, 120.	1.5	3
36	The Potential of Clover Green Amendment, Associated with Biochar, Activated Carbon or Ochre, for the Phytoremediation, Using <i>Populus x. canescens</i> , of a Former Mine Technosol. <i>Plants</i> , 2021, 10, 1374.	1.6	2

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37	Effect of biochar, iron sulfate and poultry manure application on the phytotoxicity of a former tin mine. International Journal of Phytoremediation, 2021, 23, 1222-1230.	1.7	1
38	Biochar, Ochre, and Manure Maturation in an Acidic Technosol Helps Stabilize As and Pb in Soil and Allows Its Vegetation by Salix triandra. Environments - MDPI, 2022, 9, 87.	1.5	1
39	Metallicolous Plants Associated to Amendments and Selected Bacterial Consortia, to Stabilize Highly Polymetallic Contaminated Mine Deposits. , 2021, , 251-269.		0
40	Bioinformatics-Assisted Proteomics of Metal(Loid) Tolerance in Arabidopsis. , 2021, 11, .		0