

# Manhattan Lebrun

## List of Publications by Citations

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37  
papers

426  
citations

11  
h-index

20  
g-index

40  
ext. papers

543  
ext. citations

5.2  
avg. IF

4.1  
L-index

#	Paper	IF	Citations
37	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> , <b>2017</b> , 182, 149-156	3.8	72
36	Biochar effect associated with compost and iron to promote Pb and As soil stabilization and <i>Salix viminalis</i> L. growth. <i>Chemosphere</i> , <b>2019</b> , 222, 810-822	8.4	51
35	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> , <b>2018</b> , 18, 2188-2202	3.4	45
34	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> , <b>2018</b> , 194, 316-326	8.4	42
33	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> , <b>2018</b> , 25, 25744-25756	5.1	31
32	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> , <b>2020</b> , 710, 136203	10.2	22
31	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> , <b>2018</b> , 25, 33678-33690	5.1	19
30	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> , <b>2020</b> , 244, 125397	8.4	18
29	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> , <b>2021</b> , 32, 467-481	4.4	14
28	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> , <b>2018</b> , 229, 1	2.6	12
27	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> , <b>2020</b> , 707, 135657	10.2	11
26	Effect of Biochar and Amendments on Pb and As Phytotoxicity and Phytoavailability in a Technosol. <i>Clean - Soil, Air, Water</i> , <b>2019</b> , 47, 1800220	1.6	11
25	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> , <b>2021</b> , 43, 1457-1475	4.7	10
24	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> , <b>2021</b> , 43, 1491-1505	4.7	9
23	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> , <b>2021</b> , 15, 125-134	2.9	7
22	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> , <b>2020</b> , 42, 1589-1600	4.7	6
21	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> , <b>2021</b> , 182, 104335	5.9	6

20	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> , <b>2020</b> , 195, 110466	7	5
19	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> , <b>2021</b> , 28, 11195-11204	5.1	5
18	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> , <b>2020</b> , 36, 766-772	3.1	4
17	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> , <b>2021</b> , 43, 77-89	4.7	4
16	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> , 1	2.3	4
15	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> , <b>2020</b> , 14, 93-105	2.9	3
14	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> , <b>2021</b> , 32, 2618-2628	4.4	3
13	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> , <b>2021</b> , 28, 47447-47462	5.1	3
12	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> , <b>2021</b> , 791, 148400	10.2	2
11	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> , <b>2021</b> , 31, 944-953	5	2
10	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> , <b>2022</b> , 814, 152772	10.2	1
9	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> , <b>2020</b> , 231, 1	2.6	1
8	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> , <b>2021</b> , 1	2.7	1
7	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> , <b>2021</b> , 28, 53728-53745	5.1	1
6	The reduction of the As and Pb phytotoxicity of a former mine technosol depends on the amendment type and properties.. <i>Chemosphere</i> , <b>2022</b> , 134592	8.4	1
5	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> , <b>2022</b> , 44, 1229	4.7	0
4	Effect of Biochar Application Depth on a Former Mine Technosol: Impact on Metal(Loid)s and <i>Alnus</i> Growth. <i>Environments - MDPI</i> , <b>2021</b> , 8, 120	3.2	0
3	Biochar assisted phytoremediation for metal(loid) contaminated soils <b>2022</b> , 101-130		0

- 2 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 3.9
- 1 Metallicolous Plants Associated to Amendments and Selected Bacterial Consortia, to Stabilize Highly Polymetallic Contaminated Mine Deposits **2021**, 251-269