

Jackson Nkoh Nkoh

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

495
citations

687363

13
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

295
citing authors

#	ARTICLE	IF	CITATIONS
1	Beneficial dual role of biochars in inhibiting soil acidification resulting from nitrification. <i>Chemosphere</i> , 2019, 234, 43-51.	8.2	63
2	Biochar retards Al toxicity to maize (<i>Zea mays</i> L.) during soil acidification: The effects and mechanisms. <i>Science of the Total Environment</i> , 2020, 719, 137448.	8.0	43
3	Mechanism of Cu(II) and Cd(II) immobilization by extracellular polymeric substances (<i>Escherichia coli</i>) on variable charge soils. <i>Environmental Pollution</i> , 2019, 247, 136-145.	7.5	39
4	Effects of the increases in soil pH and pH buffering capacity induced by crop residue biochars on available Cd contents in acidic paddy soils. <i>Chemosphere</i> , 2022, 301, 134674.	8.2	38
5	Aluminum mobilization as influenced by soil organic matter during soil and mineral acidification: A constant pH study. <i>Geoderma</i> , 2022, 418, 115853.	5.1	30
6	Effects of pH variations caused by redox reactions and pH buffering capacity on Cd(II) speciation in paddy soils during submerging/drainage alternation. <i>Ecotoxicology and Environmental Safety</i> , 2022, 234, 113409.	6.0	24
7	Effects of extracellular polymeric substances of <i>Pseudomonas fluorescens</i> , citrate, and oxalate on Pb sorption by an acidic Ultisol. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 790-797.	6.0	22
8	Co-Application of Biochar and Arbuscular mycorrhizal Fungi Improves Salinity Tolerance, Growth and Lipid Metabolism of Maize (<i>Zea mays</i> L.) in an Alkaline Soil. <i>Plants</i> , 2021, 10, 2490.	3.5	22
9	Phytotoxicity of Cu ²⁺ and Cd ²⁺ to the roots of four different wheat cultivars as related to charge properties and chemical forms of the metals on whole plant roots. <i>Ecotoxicology and Environmental Safety</i> , 2020, 196, 110545.	6.0	21
10	The mechanism for inhibiting acidification of variable charge soils by adhered <i>Pseudomonas fluorescens</i> . <i>Environmental Pollution</i> , 2020, 260, 114049.	7.5	20
11	Effect of different phosphorus sources on soybean growth and arsenic uptake under arsenic stress conditions in an acidic ultisol. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 11-18.	6.0	19
12	Plants alter surface charge and functional groups of their roots to adapt to acidic soil conditions. <i>Environmental Pollution</i> , 2020, 267, 115590.	7.5	18
13	A Critical-Systematic Review of the Interactions of Biochar with Soils and the Observable Outcomes. <i>Sustainability</i> , 2021, 13, 13726.	3.2	18
14	Reduction of heavy metal uptake from polluted soils and associated health risks through biochar amendment: A critical synthesis. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100086.	3.0	17
15	Enriching organic carbon bioavailability can mitigate soil acidification induced by nitrogen fertilization in croplands through microbial nitrogen immobilization. <i>Soil Science Society of America Journal</i> , 2022, 86, 579-592.	2.2	14
16	The role of extracellular polymeric substances in bacterial adhesion onto variable charge soils. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 1780-1793.	2.6	12
17	Effects of citrate, oxalate, and phosphate on the sorption of Cr(VI) by extracellular polymeric substances. <i>Journal of Water Process Engineering</i> , 2020, 37, 101510.	5.6	12
18	Laboratory studies on the effect of adsorbed microbial extracellular polymeric substances on the acidity of selected variable charge soils. <i>Soil Science Society of America Journal</i> , 2022, 86, 162-180.	2.2	12

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19	An electrokinetic perspective into the mechanism of divalent and trivalent cation sorption by extracellular polymeric substances of <i>Pseudomonas fluorescens</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110450.	5.0	11
20	Adsorption of amino acids by montmorillonite and gibbsite: Adsorption isotherms and spectroscopic analysis. <i>Applied Clay Science</i> , 2022, 219, 106437.	5.2	10
21	Effects of surface charge and chemical forms of manganese(II) on rice roots on manganese absorption by different rice varieties. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111224.	6.0	9
22	Effects of straw decayed products of four crops on the amelioration of soil acidity and maize growth in two acidic Ultisols. <i>Environmental Science and Pollution Research</i> , 2021, 28, 5092-5100.	5.3	5
23	Importance of soil amendments with biochar and/or Arbuscular Mycorrhizal fungi to mitigate aluminum toxicity in tamarind (<i>Tamarindus indica</i> L.) on an acidic soil: A greenhouse study. <i>Heliyon</i> , 2022, 8, e09009.	3.2	5
24	Enhancing phosphorus availability in two variable charge soils by the amendments of crop straw biochars. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	4
25	Comparing ameliorative effects of biomass ash and alkaline slag on an acidic Ultisol under artificial Masson pine: A field experiment. <i>Journal of Environmental Management</i> , 2021, 297, 113306.	7.8	4
26	Chitosan and D-fructose 1,6-bisphosphate differ in their effects on soil acidity and aluminum activation. <i>Journal of Soils and Sediments</i> , 2022, 22, 2129-2145.	3.0	3