

Wilson Mwandira

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

348
citations

1163117

8
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

319
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioremediation of lead-contaminated mine waste by <i>Pararhodobacter</i> sp. based on the microbially induced calcium carbonate precipitation technique and its effects on strength of coarse and fine grained sand. <i>Ecological Engineering</i> , 2017, 109, 57-64.	3.6	110
2	Biogeotechnical approach for slope soil stabilization using locally isolated bacteria and inexpensive low-grade chemicals: A feasibility study on Hokkaido expressway soil, Japan. <i>Soils and Foundations</i> , 2019, 59, 484-499.	3.1	68
3	Biosorption of Pb (II) and Zn (II) from aqueous solution by <i>Oceanobacillus profundus</i> isolated from an abandoned mine. <i>Scientific Reports</i> , 2020, 10, 21189.	3.3	56
4	Cellulose-metallothionein biosorbent for removal of Pb(II) and Zn(II) from polluted water. <i>Chemosphere</i> , 2020, 246, 125733.	8.2	38
5	Solidification of sand by Pb(II)-tolerant bacteria for capping mine waste to control metallic dust: Case of the abandoned Kabwe Mine, Zambia. <i>Chemosphere</i> , 2019, 228, 17-25.	8.2	27
6	Efficacy of biocementation of lead mine waste from the Kabwe Mine site evaluated using <i>Pararhodobacter</i> sp.. <i>Environmental Science and Pollution Research</i> , 2019, 26, 15653-15664.	5.3	22
7	Mechanism of salinity change and hydrogeochemical evolution of groundwater in the Machile-Zambezi Basin, South-western Zambia. <i>Journal of African Earth Sciences</i> , 2019, 153, 72-82.	2.0	12
8	Artificial Fusion Protein to Facilitate Calcium Carbonate Mineralization on Insoluble Polysaccharide for Efficient Biocementation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11493-11502.	6.7	11
9	A Novel Metal Adsorbent Composed of a Hexa-histidine Tag and a Carbohydrate-binding Module on Cellulose. <i>Analytical Sciences</i> , 2020, 36, 459-464.	1.6	3
10	Stabilization/solidification of mining waste via biocementation. , 2022, , 201-209.		1