

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