B Rao

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4854815/publications.pdf

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30	662	840776 11	580821 25
papers	citations	h-index	g-index

30	30	30	421
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances in Bioremediation of Extremely Alkaline Bauxite Residue: A Review. Lecture Notes in Civil Engineering, 2022, , 513-525.	0.4	0
2	Rheological properties of bauxite residue: the role of tailings gradation and solids concentration. Innovative Infrastructure Solutions, 2022, 7, 1.	2.2	0
3	Assessment of testing method influence on swelling characteristics of expansive soils of India. Arabian Journal of Geosciences, 2022, 15, .	1.3	2
4	Properties and Assessment of Applications of Red Mud (Bauxite Residue): Current Status and Research Needs. Waste and Biomass Valorization, 2021, 12, 1185-1217.	3.4	62
5	Analysis of Railway Embankment Supported with Geosynthetic-Encased Stone Columns in Soft Clays: A Case Study. International Journal of Geosynthetics and Ground Engineering, 2021, 7, 1.	2.0	10
6	Combined effect of mineralogical and chemical parameters on swelling behaviour of expansive soils. Scientific Reports, 2021, 11, 16562.	3.3	10
7	Investigations for Chemical Parameters Effect on Swelling Characteristics of Expansive Soils. KSCE Journal of Civil Engineering, 2021, 25, 4088-4105.	1.9	7
8	Influence of Na and Ca contents on swelling behavior of Indian expansive soils. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	4
9	Neutralization of Red Mud with Organic Acids and Assessment of Their Usefulness in Abating pH Rebound. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	2.0	7
10	Potential of Citric Acid for Treatment of Extremely Alkaline Bauxite Residue: Effect on Geotechnical and Geoenvironmental Properties. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	2.0	12
11	Influence of Clay Content and Montmorillonite Content on Swelling Behavior of Expansive Soils. International Journal of Geosynthetics and Ground Engineering, 2020, 6, 1.	2.0	60
12	Performance of Lime Stabilization on Extremely Alkaline Red Mud Waste under Acidic Environment. Journal of Hazardous, Toxic, and Radioactive Waste, 2019, 23, .	2.0	13
13	Chemical Analysis Procedures for Determining the Dispersion Behaviour of Red Mud. Lecture Notes in Civil Engineering, 2019, , 19-26.	0.4	5
14	Strength and durability characteristic of alkali activated GGBS stabilized red mud as geo-material. Construction and Building Materials, 2019, 211, 932-942.	7.2	101
15	Compaction and consolidation behaviour of untreated and treated waste of Indian red mud. Geotechnical Research, 2018, 5, 106-121.	1.4	27
16	Characterization of Settled Particles of the Red Mud Waste Exposed to Different Aqueous Environmental Conditions. Indian Geotechnical Journal, 2018, 48, 405-419.	1.4	12
17	Development of relationships between swelling and suction properties of expansive soils. International Journal of Geotechnical Engineering, 2018, 12, 53-65.	2.0	14
18	Mineralogical Compositions of Some Indian Expansive Soils and Their Influence on Swelling Properties. International Journal of Geosynthetics and Ground Engineering, 2017, 3, 1.	2.0	10

#	Article	IF	Citations
19	Characterization of coarse fraction of red mud as a civil engineering construction material. Journal of Cleaner Production, 2017, 168, 679-691.	9.3	59
20	Zeta Potential and Particle Size Characteristics of Red Mud Waste. Developments in Geotechnical Engineering, 2017, , 69-89.	0.6	5
21	Determination of Swelling Characteristics Using Soil Water Characteristic Curve Parameter. Indian Geotechnical Journal, 2016, 46, 319-326.	1.4	8
22	Evaluating the Influence of Additives on Swelling Characteristics of Expansive Soils. International Journal of Geosynthetics and Ground Engineering, 2015, 1, 1.	2.0	37
23	A methodology for determining crushing strength of stabilized waste from shear wave velocity. International Journal of Geotechnical Engineering, 2014, 8, 84-93.	2.0	1
24	Studies on the determination of swelling properties of soils from suction measurements. Canadian Geotechnical Journal, 2011, 48, 375-387.	2.8	49
25	Establishing Soil-Water Characteristic Curve of a Fine-Grained Soil from Electrical Measurements. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 751-754.	3.0	11
26	Determination of distribution coefficient of geomaterials and immobilizing agents. Canadian Geotechnical Journal, 2010, 47, 1139-1148.	2.8	17
27	Application of thermal flux for establishing soilâ€“water characteristic curve of kaolin. Geomechanics and Geoengineering, 2010, 5, 259-266.	1.8	11
28	Application of In-situ Lysimetric Studies for Determining Soil Hydraulic Conductivity. Geotechnical and Geological Engineering, 2009, 27, 595-606.	1.7	3
29	Comparison of Methods for Determining Specific-surface Area of Fine-grained Soils. Geotechnical and Geological Engineering, 2008, 26, 121-132.	1.7	81
30	Application of biopolymers for improving the strength characteristics of red mud waste. Environmental Geotechnics, 0, , 1-20.	2.3	24