

Zhongkui Chen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

663
citations

623734

14
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

414
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil-water retention behavior of compacted biochar-amended clay: a novel landfill final cover material. <i>Journal of Soils and Sediments</i> , 2017, 17, 590-598.	3.0	101
2	Physical and numerical modeling of an inclined three-layer (silt/gravelly sand/clay) capillary barrier cover system under extreme rainfall. <i>Waste Management</i> , 2015, 38, 210-221.	7.4	81
3	Gas permeability of biochar-amended clay: potential alternative landfill final cover material. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7126-7131.	5.3	60
4	Water Infiltration into a New Three-Layer Landfill Cover System. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	1.4	59
5	Effects of biochar on hydraulic conductivity of compacted kaolin clay. <i>Environmental Pollution</i> , 2018, 234, 468-472.	7.5	56
6	Effects of Jointed Rock Mass and Mixed Ground Conditions on the Cutting Efficiency and Cutter Wear of Tunnel Boring Machine. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 1303-1313.	5.4	54
7	Analytical solution for one-dimensional contaminant diffusion through unsaturated soils beneath geomembrane. <i>Journal of Hydrology</i> , 2019, 568, 260-274.	5.4	38
8	Effect of root density of wheat and okra on hydraulic properties of an unsaturated compacted loam. <i>European Journal of Soil Science</i> , 2019, 70, 493-506.	3.9	36
9	Effects of soil-plant-biochar interactions on water retention and slope stability under various rainfall patterns. <i>Landslides</i> , 2022, 19, 1379-1390.	5.4	28
10	Gas permeability and water retention of a repacked silty sand amended with different particle sizes of peanut shell biochar. <i>Soil Science Society of America Journal</i> , 2020, 84, 1630-1641.	2.2	24
11	Modelling the water retention behaviour of anisotropic soils. <i>Journal of Hydrology</i> , 2021, 599, 126361.	5.4	22
12	Numerical parametric study of an alternative three-layer capillary barrier cover system. <i>Environmental Earth Sciences</i> , 2015, 74, 4419-4429.	2.7	21
13	Numerical Investigation on Gas Emission from Three Landfill Soil Covers under Dry Weather Conditions. <i>Vadose Zone Journal</i> , 2015, 14, 1-10.	2.2	20
14	Influence of Slope Angle on Water Flow in a Three-Layer Capillary Barrier Soil Cover under Heavy Rainfall. <i>Soil Science Society of America Journal</i> , 2019, 83, 1637-1647.	2.2	18
15	Image Edge Recognition of Virtual Reality Scene Based on Multi-Operator Dynamic Weight Detection. <i>IEEE Access</i> , 2020, 8, 111289-111302.	4.2	15
16	A new simple and low-cost air permeameter for unsaturated soils. <i>Soil and Tillage Research</i> , 2021, 213, 105083.	5.6	14
17	Experimental investigation on water release and gas emission of evapotranspirative capillary barrier landfill covers. <i>Soil Science Society of America Journal</i> , 2022, 86, 311-323.	2.2	8
18	A new method for dynamically estimating long-term seepage failure frequency for high concrete faced rockfill dams. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	2.7	5

#	ARTICLE	IF	CITATIONS
19	Experimental Investigation on the Influencing Factors of Compressive Strength of Foamed Lightweight Material Utilizing Completely Decomposed Granite. <i>Materials</i> , 2022, 15, 1060.	2.9	3