

Kalehiwot Nega Manahiloh

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

470
citations

949033

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939365

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28
docs citations

28
times ranked

574
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial heterogeneity of biochar (segregation) in biochar-amended media: An overlooked phenomenon, and its impact on saturated hydraulic conductivity. <i>Journal of Environmental Management</i> , 2021, 279, 111588.	3.8	3
2	Predicting the impact of biochar on the saturated hydraulic conductivity of natural and engineered media. <i>Journal of Environmental Management</i> , 2021, 295, 113143.	3.8	12
3	Dynamic Amplification Factor in Culverts: a Parametric Study using Three-Dimensional Finite Element Analysis. <i>Transportation Infrastructure Geotechnology</i> , 2020, 7, 243-267.	1.9	3
4	Revisiting parameters that dictate the mechanical behavior of frozen soils. <i>Cold Regions Science and Technology</i> , 2019, 163, 34-43.	1.6	12
5	Three-Dimensional Finite Element Analysis of Reinforced Concrete Box Culverts Using Infinite Elements. , 2019, , .		1
6	Reply of authors to the discussion of H. Gullu [<i>Soil Dyn Earthq Eng</i> 108 (2018) 203â€“4] on their article â€œShear wave velocity and soil type micro-zonation using neural networks and geographic information systemâ€•[<i>Soil Dyn Earthq Eng</i> 104 (2018) 54â€“63]. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 115, 938-940.	1.9	0
7	Numerical Investigation of Dynamic Load Amplification in Buried Culverts. <i>Transportation Infrastructure Geotechnology</i> , 2018, 5, 24-41.	1.9	8
8	Dynamic Load Allowance Provisions for Box Culverts with Low Fill Depth. <i>Transportation Infrastructure Geotechnology</i> , 2018, 5, 42-58.	1.9	0
9	Shear wave velocity and soil type microzonation using neural networks and geographic information system. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 104, 54-63.	1.9	9
10	Laboratory investigation and field evaluation of loess improvement using nanoclay â€“ A sustainable material for construction. <i>Construction and Building Materials</i> , 2018, 158, 454-463.	3.2	110
11	A Refined Global Segmentation of X-Ray CT Images for Multi-phase Geomaterials. <i>Journal of Nondestructive Evaluation</i> , 2018, 37, 1.	1.1	4
12	Global Segmentation Algorithm for Partially Saturated Granular Geomaterials. , 2018, , .		0
13	Properties of Biochar-Amended Highway Soils: Biochar â€“ An Eco-friendly Geomaterial. <i>Geo-strata</i> , 2018, 22, 48-55.	0.0	0
14	Experimental Investigation of the Effects of Biochar on the Hydraulic Conductivity of Soils. , 2017, , .		1
15	Investigating the Role of Soil Fabric in Unsaturated Soils. , 2017, , .		0
16	Applying the Techniques of Microstructural Image Processing Toward Measuring Interface Angles in Unsaturated Geomaterials. , 2017, , .		1
17	Sustainable Improvement of Tropical Residual Soil Using an Environmentally Friendly Additive. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 2613-2623.	0.8	71
18	Determining the Soil Water Characteristic Curve and Interfacial Contact Angle from Microstructural Analysis of X-Ray CT Images. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, .	1.5	23

#	ARTICLE	IF	CITATIONS
19	The effectiveness of global thresholding techniques in segmenting two-phase porous media. <i>Construction and Building Materials</i> , 2017, 142, 256-267.	3.2	28
20	Random-effects regression model for shear wave velocity as a function of standard penetration test resistance, vertical effective stress, fines content, and plasticity index. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 103, 95-104.	1.9	5
21	Microstructure-Based Effective Stress Formulation for Unsaturated Granular Soils. <i>International Journal of Geomechanics</i> , 2016, 16, .	1.3	17
22	Evolution of Interphase Contact Angle in Partially Saturated Granular Soils Using Digital Analysis of X-Ray Computed Tomography Images. , 2015, , .		2
23	Optimization of Design Parameters and Cost of Geosynthetic-Reinforced Earth Walls Using Harmony Search Algorithm. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2015, 1, 1.	0.9	12
24	A Modified Harmony Search Algorithm for the Optimum Design of Earth Walls Reinforced with Non-uniform Geosynthetic Layers. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2015, 1, 1.	0.9	4
25	Influence of Recycled Asphalt Pavement Content on Air Void Distribution, Permeability, and Modulus of Base Layer. <i>Transportation Research Record</i> , 2012, 2267, 65-71.	1.0	18
26	X-Ray Computed Tomography and Nondestructive Evaluation of Clogging in Porous Concrete Field Samples. <i>Journal of Materials in Civil Engineering</i> , 2012, 24, 1103-1109.	1.3	57
27	Understanding the Influence of State/Phase Transitions on Ice Recrystallization in Atlantic Salmon (<i>Salmo salar</i>) During Frozen Storage. <i>Food Biophysics</i> , 2012, 7, 57-71.	1.4	69