

Chaminda Gallage

List of Publications by Year in descending order

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44
papers

841
citations

516215
16
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44
times ranked

618
citing authors

#	ARTICLE	IF	CITATIONS
1	Effectiveness and Sensitivity of Fiber Inclusion on Desiccation Cracking Behavior of Reinforced Clayey Soil. <i>International Journal of Geomechanics</i> , 2022, 22, .	1.3	10
2	Predicting California Bearing Ratio (CBR) Value of a Selected Subgrade Material. <i>Lecture Notes in Civil Engineering</i> , 2022, , 547-558.	0.3	4
3	Development of Design Guidelines for Composite-Geogrid Reinforced Unpaved Pavements. <i>Lecture Notes in Civil Engineering</i> , 2022, , 375-387.	0.3	5
4	Monotonic Loading Test to Investigate the Benefits of Composite Geogrids for Subgrade Improvement. <i>Lecture Notes in Civil Engineering</i> , 2022, , 469-482.	0.3	3
5	An instrumented large soil column to investigate climatic ground interaction. <i>International Journal of Physical Modelling in Geotechnics</i> , 2021, 21, 55-71.	0.5	6
6	Optimising geosynthetic clay liner overlaps: implications on hydraulic performance. <i>Environmental Geotechnics</i> , 2021, 8, 264-273.	1.3	3
7	Instrumented model slopes to investigate the effects of slope inclination on rainfall-induced landslides. <i>Soils and Foundations</i> , 2021, 61, 160-174.	1.3	23
8	Performance of composite geogrid reinforced unpaved pavements under cyclic loading. <i>Construction and Building Materials</i> , 2021, 304, 124570.	3.2	15
9	Evaluating the Tensile Properties of Geogrids Using the Particle Image Velocimetry Technique. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	6
10	Superior performance benefits of multigrade bitumen asphalt with recycled asphalt pavement additive. <i>Construction and Building Materials</i> , 2020, 230, 116963.	3.2	12
11	Determination of the hydraulic conductivity function of grey Vertosol with soil column test. <i>Heliyon</i> , 2020, 6, e05399.	1.4	8
12	Temperature Variation through Deep Multigrade Asphalt Pavements and Proposed Method for Accounting for Fluctuations. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, 04020005.	1.3	6
13	Use of Particle Image Velocimetry (PIV) technique to measure strains in geogrids. <i>E3S Web of Conferences</i> , 2019, 92, 12007.	0.2	6
14	Oedometer based estimation of vertical shrinkage of expansive soil in a large instrumented soil column. <i>Heliyon</i> , 2019, 5, e02380.	1.4	14
15	Performance characteristics of recycled concrete aggregate as an unbound pavement material. <i>Heliyon</i> , 2019, 5, e02494.	1.4	33
16	Inherent Characteristics of 2D Alluvial Formations Subjected to In-Plane Motion. <i>Journal of Earthquake Engineering</i> , 2019, 23, 1512-1530.	1.4	9
17	Effects of reclaimed asphalt materials on geotechnical characteristics of recycled concrete aggregates as a pavement material. <i>Road Materials and Pavement Design</i> , 2019, 20, 754-772.	2.0	27
18	Field studies on sleeper deflection and ballast pressure in heavy haul track. <i>Australian Journal of Structural Engineering</i> , 2018, 19, 96-104.	0.4	11

#	ARTICLE	IF	CITATIONS
19	Effects of Recycled Asphalt Pavement on the Stiffness and Fatigue Performance of Multigrade Bitumen Asphalt. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	1.3	9
20	Statistical analysis of the additional amplification in deep basins relative to the 1D approach. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 104, 296-306.	1.9	12
21	Quantifying the edge-induced seismic aggravation in shallow basins relative to the 1D SH modelling. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 115, 402-412.	1.9	7
22	Benchmark Studies for Bridge Health Monitoring Using an Improved Modal Strain Energy Method. <i>Procedia Engineering</i> , 2017, 188, 194-200.	1.2	10
23	Effects of principal stress axis rotation on cyclic deformation characteristics of rail track subgrade materials. <i>Soils and Foundations</i> , 2017, 57, 423-438.	1.3	10
24	Measuring hydraulic properties of geotextiles after installation damage. <i>Geotextiles and Geomembranes</i> , 2017, 45, 462-470.	2.3	22
25	Estimation of Poisson's Ratio and Variation of Tensile Yield Strength of Composite Clay Balls Used in Pebble Matrix Filtration. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, 04017107.	1.3	0
26	Cyclic plastic deformation characteristics of subgrade under moving train wheel load. <i>Japanese Geotechnical Society Special Publication</i> , 2016, 2, 1619-1622.	0.2	1
27	Effects of Principal Stress Axis Rotation on Unsaturated Rail Track Foundation Deterioration. <i>Procedia Engineering</i> , 2016, 143, 252-259.	1.2	8
28	Impact resistance and evaluation of retained strength on geotextiles. <i>Geotextiles and Geomembranes</i> , 2016, 44, 549-556.	2.3	19
29	Direct Shear Testing on Unsaturated Silty Soils to Investigate the Effects of Drying and Wetting on Shear Strength Parameters at Low Suction. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016, 142, .	1.5	30
30	Response of segmented bored transit tunnels to surface blast. <i>Advances in Engineering Software</i> , 2015, 89, 77-89.	1.8	18
31	Blast Response and Failure Analysis of a Segmented Buried Tunnel. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2015, 25, 419-431.	0.5	12
32	Blast Response of Segmented Bored Tunnel using Coupled SPH-FE Method. <i>Structures</i> , 2015, 2, 58-71.	1.7	56
33	Field performance of in-service cast iron water reticulation pipe buried in reactive clay. <i>Canadian Geotechnical Journal</i> , 2015, 52, 1861-1873.	1.4	23
34	Performance of Buried Tunnels Subjected to Surface Blast Incorporating Fluid-Structure Interaction. <i>Journal of Performance of Constructed Facilities</i> , 2015, 29, .	1.0	25
35	An improved modal strain energy method for structural damage detection, 2D simulation. <i>Structural Engineering and Mechanics</i> , 2015, 54, 105-119.	1.0	27
36	Soil moisture monitoring at the field scale using neutron probe. <i>Canadian Geotechnical Journal</i> , 2014, 51, 332-345.	1.4	43

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37	Soil-Pile Interaction of Pile Embedded in Deep-Layered Marine Sediment under Seismic Excitation. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2014, 24, 521-531.	0.5	10
38	Assessment of recycled concrete aggregates as a pavement material. Geomechanics and Engineering, 2014, 6, 235-248.	0.9	27
39	Laboratory measurement of hydraulic conductivity functions of two unsaturated sandy soils during drying and wetting processes. Soils and Foundations, 2013, 53, 417-430.	1.3	85
40	Discussion: Response of a plastic pipe buried in expansive clay. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2013, 166, 328-330.	0.9	5
41	Response of a plastic pipe buried in expansive clay. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2012, 165, 45-57.	0.9	17
42	Properties of Hand-made Clay Balls used as a Novel Filter Media. Geomechanics and Engineering, 2012, 4, 281-294.	0.9	7
43	Effects of Dry Density and Grain Size Distribution on Soil-Water Characteristic Curves of Sandy Soils. Soils and Foundations, 2010, 50, 161-172.	1.3	114
44	Function of permeable geosynthetics in unsaturated embankments subjected to rainfall infiltration. Geosynthetics International, 2007, 14, 89-99.	1.5	43