

Dasaka Murty

List of Publications by Year in descending order

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37
all docs

37
docs citations

37
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Speed Train Vibrations in the Sub-soils Supporting Ballasted Rail Corridors. Transportation Infrastructure Geotechnology, 2023, 10, 259-282.	3.1	7
2	Evaluation of Engineering Properties of Sand-Tire Chips Mix. Indian Geotechnical Journal, 2022, 52, 86-96.	1.4	4
3	Dynamic Response of Dry Rubber Tire Chips and Sand Mixture. Lecture Notes in Civil Engineering, 2022, , 581-587.	0.4	0
4	Behavior of Rigid Retaining Walls with Relief Shelves: An Analytical Approach. Geotechnical and Geological Engineering, 2022, 40, 663-675.	1.7	7
5	Active earth pressure on retaining wall with a relief shelf: a novel analytical method. Innovative Infrastructure Solutions, 2022, 7, 1.	2.2	4
6	Short- and long-term behavior of EPS geofoam in reduction of lateral earth pressure on rigid retaining wall subjected to surcharge loading. Geotextiles and Geomembranes, 2022, 50, 868-880.	4.6	8
7	Forensic Analysis of a Distressed RE Wall and Rigid Pavement in a Newly Constructed Highway Approach. International Journal of Geosynthetics and Ground Engineering, 2022, 8, .	2.0	0
8	Numerical Investigation of Soil Arching in Dense Sand. International Journal of Geomechanics, 2021, 21, .	2.7	12
9	Influence of Contacting Material on Calibration Response of Diaphragm Earth Pressure Cells. Indian Geotechnical Journal, 2020, 50, 133-141.	1.4	6
10	Characterisation of High-Speed Train Vibrations in Ground Supporting Ballasted Railway Tracks. Transportation Infrastructure Geotechnology, 2020, 7, 69-84.	3.1	11
11	Temporal Variation of Ground-Borne Vibrations in Ballasted High-Speed Railway Embankments. Transportation Infrastructure Geotechnology, 2020, 7, 224-242.	3.1	9
12	EPS Geofoam as a Wave Barrier for Attenuating High-Speed Train-Induced Ground Vibrations: A Single-Wheel Analysis. International Journal of Geosynthetics and Ground Engineering, 2020, 6, 1.	2.0	6
13	Spatial Variation of Ground Vibrations in Ballasted High-Speed Railway Embankments. Transportation Infrastructure Geotechnology, 2020, 7, 354-377.	3.1	6
14	Amplification of Vibrations in High-Speed Railway Embankments by Passive Ground Vibration Barriers. International Journal of Geosynthetics and Ground Engineering, 2020, 6, 1.	2.0	3
15	Reduction of Surcharge Induced Earth Pressure on Rigid Non-yielding Retaining Wall Using Relief Shelves. Lecture Notes in Civil Engineering, 2019, , 209-217.	0.4	10
16	Quantification of ground-vibrations generated by high speed trains in ballasted railway tracks. Transportation Geotechnics, 2019, 20, 100245.	4.5	17
17	Recent Developments in Earth Pressure Reduction Techniques. Developments in Geotechnical Engineering, 2019, , 333-344.	0.6	1
18	Short-Term and Long-Term Behavior of EPS Geofoam. Journal of Testing and Evaluation, 2019, 47, 4492-4512.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Effect of Long-Term Performance of EPS Geofoam on Lateral Earth Pressures on Retaining Walls. Developments in Geotechnical Engineering, 2018, , 271-289.	0.6	2
20	Performance of a Rigid Retaining Wall with Relief Shelves. Journal of Performance of Constructed Facilities, 2018, 32, .	2.0	17
21	Calibration of Earth Pressure Sensors. Indian Geotechnical Journal, 2018, 48, 142-152.	1.4	14
22	Evaluation of Uniformity of Soil Specimens Prepared in Large Tanks by Slurry Consolidation. Geotechnical and Geological Engineering, 2018, 36, 1885-1895.	1.7	1
23	Variation of effective frictional coefficient at wheel-rail contact interfaces during high speed railway operations. IOP Conference Series: Materials Science and Engineering, 2018, 377, 012001.	0.6	4
24	Optimization of wheel-rail interface friction using top-of-rail friction modifiers: State of the art. AIP Conference Proceedings, 2018, , .	0.4	1
25	Influence of spatially random soil on lateral thrust and failure surface in earth retaining walls. Georisk, 2017, 11, 247-256.	3.5	10
26	Effect of Spatial Variability on the Earth Pressure of a Rigid Retaining Wall. , 2017, , .		1
27	Assessment of Air Pluviation Using Stationary and Movable Pluviators. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	5
28	Effect of boundary conditions on earth pressure reduction using EPS Geofoam. Japanese Geotechnical Society Special Publication, 2016, 2, 2232-2237.	0.2	1
29	Development of a Mechanized Traveling Pluviator to Prepare Reconstituted Uniform Sand Specimens. Journal of Materials in Civil Engineering, 2016, 28, .	2.9	26
30	Variability in the soil properties of laboratory consolidated clay beds. International Journal of Geotechnical Engineering, 2014, 8, 365-371.	2.0	1
31	Effect of Uncertainties in the Field Load Testing on the Observed Loadâ€™Settlement Response. Indian Geotechnical Journal, 2014, 44, 294-304.	1.4	4
32	Universal Calibration Device for Fluid and In-Soil Calibration of Pressure Transducers. Indian Geotechnical Journal, 2012, 42, 212-219.	1.4	2
33	Effect of Coir Fiber on the Stressâ€™Strain Behavior of a Reconstituted Fine-Grained Soil. Journal of Natural Fibers, 2011, 8, 189-204.	3.1	49
34	Uncertainties in Geologic Profiles versus Variability in Pile Founding Depth. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1475-1488.	3.0	46
35	The Effect of Spatial Correlation of Cone Tip Resistance on the Bearing Capacity of Shallow Foundations. Geotechnical and Geological Engineering, 2008, 26, 37-46.	1.7	9
36	Soil Arching and Its Effect on Contiguous Pile Wall Subjected to Staged Excavation: Physical and Numerical Investigations. Indian Geotechnical Journal, 0, , 1.	1.4	3