

Dasaka Murty

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4757863/publications.pdf>

Version: 2024-02-01

36
papers

312
citations

933447

10
h-index

940533

16
g-index

37
all docs

37
docs citations

37
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Coir Fiber on the Stress–Strain Behavior of a Reconstituted Fine-Grained Soil. <i>Journal of Natural Fibers</i> , 2011, 8, 189-204.	3.1	49
2	Uncertainties in Geologic Profiles versus Variability in Pile Founding Depth. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010, 136, 1475-1488.	3.0	46
3	Development of a Mechanized Traveling Pluviator to Prepare Reconstituted Uniform Sand Specimens. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	2.9	26
4	Performance of a Rigid Retaining Wall with Relief Shelves. <i>Journal of Performance of Constructed Facilities</i> , 2018, 32, .	2.0	17
5	Quantification of ground-vibrations generated by high speed trains in ballasted railway tracks. <i>Transportation Geotechnics</i> , 2019, 20, 100245.	4.5	17
6	Calibration of Earth Pressure Sensors. <i>Indian Geotechnical Journal</i> , 2018, 48, 142-152.	1.4	14
7	Numerical Investigation of Soil Arching in Dense Sand. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	12
8	Characterisation of High-Speed Train Vibrations in Ground Supporting Ballasted Railway Tracks. <i>Transportation Infrastructure Geotechnology</i> , 2020, 7, 69-84.	3.1	11
9	Influence of spatially random soil on lateral thrust and failure surface in earth retaining walls. <i>Georisk</i> , 2017, 11, 247-256.	3.5	10
10	Reduction of Surcharge Induced Earth Pressure on Rigid Non-yielding Retaining Wall Using Relief Shelves. <i>Lecture Notes in Civil Engineering</i> , 2019, , 209-217.	0.4	10
11	The Effect of Spatial Correlation of Cone Tip Resistance on the Bearing Capacity of Shallow Foundations. <i>Geotechnical and Geological Engineering</i> , 2008, 26, 37-46.	1.7	9
12	Temporal Variation of Ground-Borne Vibrations in Ballasted High-Speed Railway Embankments. <i>Transportation Infrastructure Geotechnology</i> , 2020, 7, 224-242.	3.1	9
13	Short- and long-term behavior of EPS geofoam in reduction of lateral earth pressure on rigid retaining wall subjected to surcharge loading. <i>Geotextiles and Geomembranes</i> , 2022, 50, 868-880.	4.6	8
14	Behavior of Rigid Retaining Walls with Relief Shelves: An Analytical Approach. <i>Geotechnical and Geological Engineering</i> , 2022, 40, 663-675.	1.7	7
15	High-Speed Train Vibrations in the Sub-soils Supporting Ballasted Rail Corridors. <i>Transportation Infrastructure Geotechnology</i> , 2023, 10, 259-282.	3.1	7
16	Influence of Contacting Material on Calibration Response of Diaphragm Earth Pressure Cells. <i>Indian Geotechnical Journal</i> , 2020, 50, 133-141.	1.4	6
17	EPS Geofoam as a Wave Barrier for Attenuating High-Speed Train-Induced Ground Vibrations: A Single-Wheel Analysis. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2020, 6, 1.	2.0	6
18	Spatial Variation of Ground Vibrations in Ballasted High-Speed Railway Embankments. <i>Transportation Infrastructure Geotechnology</i> , 2020, 7, 354-377.	3.1	6

#	ARTICLE	IF	CITATIONS
19	Assessment of Air Pluviation Using Stationary and Movable Pluviators. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	5
20	Short-Term and Long-Term Behavior of EPS Geofoam. Journal of Testing and Evaluation, 2019, 47, 4492-4512.	0.7	5
21	Effect of Uncertainties in the Field Load Testing on the Observed Loadâ€“Settlement Response. Indian Geotechnical Journal, 2014, 44, 294-304.	1.4	4
22	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
23	Evaluation of Engineering Properties of Sandâ€“Tire Chips Mix. Indian Geotechnical Journal, 2022, 52, 86-96.	1.4	4
24	Active earth pressure on retaining wall with a relief shelf: a novel analytical method. Innovative Infrastructure Solutions, 2022, 7, 1.	2.2	4
25	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
26	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
27	Universal Calibration Device for Fluid and In-Soil Calibration of Pressure Transducers. Indian Geotechnical Journal, 2012, 42, 212-219.	1.4	2
28	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
29	Variability in the soil properties of laboratory consolidated clay beds. International Journal of Geotechnical Engineering, 2014, 8, 365-371.	2.0	1
30	Effect of boundary conditions on earth pressure reduction using EPS Geofoam. Japanese Geotechnical Society Special Publication, 2016, 2, 2232-2237.	0.2	1
31	Effect of Spatial Variability on the Earth Pressure of a Rigid Retaining Wall. , 2017, , .		1
32	Evaluation of Uniformity of Soil Specimens Prepared in Large Tanks by Slurry Consolidation. Geotechnical and Geological Engineering, 2018, 36, 1885-1895.	1.7	1
33	Optimization of wheel-rail interface friction using top-of-rail friction modifiers: State of the art. AIP Conference Proceedings, 2018, , .	0.4	1
34	Recent Developments in Earth Pressure Reduction Techniques. Developments in Geotechnical Engineering, 2019, , 333-344.	0.6	1
35	Dynamic Response of Dry Rubber Tire Chips and Sand Mixture. Lecture Notes in Civil Engineering, 2022, , 581-587.	0.4	0
36	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