

Sujit Kumar Dash

List of Publications by Year in descending order

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36
papers

1,941
citations

304743

22
h-index

414414

32
g-index

36
all docs

36
docs citations

36
times ranked

765
citing authors

#	ARTICLE	IF	CITATIONS
1	Lime Stabilization of Soils: Reappraisal. <i>Journal of Materials in Civil Engineering</i> , 2012, 24, 707-714.	2.9	238
2	Model studies on circular footing supported on geocell reinforced sand underlain by soft clay. <i>Geotextiles and Geomembranes</i> , 2003, 21, 197-219.	4.6	228
3	Bearing capacity of circular footing on geocell sand mattress overlying clay bed with void. <i>Geotextiles and Geomembranes</i> , 2009, 27, 89-98.	4.6	175
4	Strip footing on geocell reinforced sand beds with additional planar reinforcement. <i>Geotextiles and Geomembranes</i> , 2001, 19, 529-538.	4.6	105
5	Behaviour of geocell-reinforced sand beds under strip loading. <i>Canadian Geotechnical Journal</i> , 2007, 44, 905-916.	2.8	101
6	Influence of geosynthetic encasement on the performance of stone columns floating in soft clay. <i>Canadian Geotechnical Journal</i> , 2013, 50, 754-765.	2.8	98
7	Model studies of a circular footing supported on geocell-reinforced clay. <i>Canadian Geotechnical Journal</i> , 2005, 42, 693-703.	2.8	94
8	Improved performance of soft clay foundations using stone columns and geocell-sand mattress. <i>Geotextiles and Geomembranes</i> , 2013, 41, 26-35.	4.6	94
9	Effect of Geocell Type on Load-Carrying Mechanisms of Geocell-Reinforced Sand Foundations. <i>International Journal of Geomechanics</i> , 2012, 12, 537-548.	2.7	81
10	Numerical Simulation of the Behavior of Geocell Reinforced Sand in Foundations. <i>International Journal of Geomechanics</i> , 2009, 9, 143-152.	2.7	74
11	Performance of surface footing on geocell-reinforced soft clay beds. <i>Geotechnical and Geological Engineering</i> , 2007, 25, 509-524.	1.7	73
12	Influence of Relative Density of Soil on Performance of Geocell-Reinforced Sand Foundations. <i>Journal of Materials in Civil Engineering</i> , 2010, 22, 533-538.	2.9	59
13	Stabilization of expansive soils using chemical additives: A review. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2022, 14, 1319-1342.	8.1	59
14	Behavior of Geosynthetic Reinforced Soil Foundation Systems Supported on Stiff Clay Subgrade. <i>International Journal of Geomechanics</i> , 2016, 16, .	2.7	53
15	Ground motion estimation at Guwahati city for an Mw 8.1 earthquake in the Shillong plateau. <i>Tectonophysics</i> , 2008, 448, 98-114.	2.2	42
16	Geocell reinforcement for performance improvement of vertical plate anchors in sand. <i>Geotextiles and Geomembranes</i> , 2018, 46, 214-225.	4.6	39
17	Influence of Lime on Shrinkage Behavior of Soils. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	2.9	38
18	Equivalent Continuum Simulations of Geocell Reinforced Sand Beds Supporting Strip Footings. <i>Geotechnical and Geological Engineering</i> , 2008, 26, 387-398.	1.7	34

#	ARTICLE	IF	CITATIONS
19	Deterministic seismic scenarios for North East India. <i>Journal of Seismology</i> , 2010, 14, 143-167.	1.3	30
20	Load-Carrying Mechanism of Vertical Plate Anchors in Sand. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	30
21	Evaluation of seismic soil-liquefaction at Guwahati city. <i>Environmental Earth Sciences</i> , 2010, 61, 355-368.	2.7	28
22	Behavior of Geogrid Reinforced Foundation Systems Supported on Clay Subgrades of Different Strengths. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2015, 1, 1.	2.0	26
23	Bearing capacity of a strip footing situated on soil slope using a non-associated flow rule in lower bound limit analysis. <i>International Journal of Geotechnical Engineering</i> , 2019, 13, 103-111.	2.0	22
24	Application of geocell reinforced coal mine overburden waste as subballast in railway tracks on weak subgrade. <i>Construction and Building Materials</i> , 2020, 265, 120774.	7.2	21
25	Pullout Tests Using Modified Direct Shear Test Setup for Measuring Soil-Geosynthetic Interaction Parameters. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2016, 2, 1.	2.0	19
26	The influence of lime on the compaction behaviour of soils. <i>Environmental Geotechnics</i> , 2016, 3, 346-352.	2.3	16
27	Performance Improvement of Railway Ballast Using Geocells. <i>Indian Geotechnical Journal</i> , 2012, 42, 186-193.	1.4	15
28	Pullout Behavior of Geocell-Reinforced Vertical Plate Anchors under Lateral Loading. <i>International Journal of Geomechanics</i> , 2019, 19, .	2.7	15
29	Performance Evaluation of Coal Mine Overburden as a Potential Subballast Material in Railways with Additional Improvement Using Geocell. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	14
30	STOCHASTIC MODELING OF SPT N-VALUE AND EVALUATION OF PROBABILITY OF LIQUEFACTION AT GUWAHATI CITY. <i>Journal of Earthquake and Tsunami</i> , 2008, 02, 175-196.	1.3	10
31	Behaviour of Geosynthetic Reinforced Unpaved Roads Under Cyclic Loading. <i>Indian Geotechnical Journal</i> , 2014, 44, 77-85.	1.4	6
32	Contact Pressure Distribution on Subgrade Soil Underlying Geocell Reinforced Foundation Beds. <i>Frontiers in Built Environment</i> , 2019, 5, .	2.3	3
33	Bearing capacity of a strip footing situated on soil slope using a non-associated flow rule in lower bound limit analysis. , 0, .		1
34	Closure to "Pullout Behavior of Geocell-Reinforced Vertical Plate Anchors under Lateral Loading" by Sujit Kumar Dash and Awdhesh Kumar Choudhary. <i>International Journal of Geomechanics</i> , 2021, 21, 07020007.	2.7	0
35	Performance of Geocell-Reinforced Sand Foundations with Clay Subgrades of Varying Strength. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2020, , 153-172.	0.4	0
36	Finite Element Analyses of Geocell Reinforced Tracks Over Clayey Subgrade. <i>Lecture Notes in Civil Engineering</i> , 2022, , 575-583.	0.4	0