

# 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	Finite Element Analyses of Geocell Reinforced Tracks Over Clayey Subgrade. Lecture Notes in Civil Engineering, 2022, , 575-583.	0.4	0
2	Stabilization of expansive soils using chemical additives: A review. Journal of Rock Mechanics and Geotechnical Engineering, 2022, 14, 1319-1342.	8.1	59
3	Closure to "Pullout Behavior of Geocell-Reinforced Vertical Plate Anchors under Lateral Loading" by Sujit Kumar Dash and Awdhesh Kumar Choudhary. International Journal of Geomechanics, 2021, 21, 07020007.	2.7	0
4	Application of geocell reinforced coal mine overburden waste as subballast in railway tracks on weak subgrade. Construction and Building Materials, 2020, 265, 120774.	7.2	21
5	Performance Evaluation of Coal Mine Overburden as a Potential Subballast Material in Railways with Additional Improvement Using Geocell. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	14
6	Performance of Geocell-Reinforced Sand Foundations with Clay Subgrades of Varying Strength. Springer Transactions in Civil and Environmental Engineering, 2020, , 153-172.	0.4	0
7	Pullout Behavior of Geocell-Reinforced Vertical Plate Anchors under Lateral Loading. International Journal of Geomechanics, 2019, 19, .	2.7	15
8	Contact Pressure Distribution on Subgrade Soil Underlying Geocell Reinforced Foundation Beds. Frontiers in Built Environment, 2019, 5, .	2.3	3
9	Bearing capacity of a strip footing situated on soil slope using a non-associated flow rule in lower bound limit analysis. International Journal of Geotechnical Engineering, 2019, 13, 103-111.	2.0	22
10	Geocell reinforcement for performance improvement of vertical plate anchors in sand. Geotextiles and Geomembranes, 2018, 46, 214-225.	4.6	39
11	Load-Carrying Mechanism of Vertical Plate Anchors in Sand. International Journal of Geomechanics, 2017, 17, .	2.7	30
12	Pullout Tests Using Modified Direct Shear Test Setup for Measuring Soil-Geosynthetic Interaction Parameters. International Journal of Geosynthetics and Ground Engineering, 2016, 2, 1.	2.0	19
13	The influence of lime on the compaction behaviour of soils. Environmental Geotechnics, 2016, 3, 346-352.	2.3	16
14	Behavior of Geosynthetic Reinforced Soil Foundation Systems Supported on Stiff Clay Subgrade. International Journal of Geomechanics, 2016, 16, .	2.7	53
15	Influence of Lime on Shrinkage Behavior of Soils. Journal of Materials in Civil Engineering, 2015, 27, .	2.9	38
16	Behavior of Geogrid Reinforced Foundation Systems Supported on Clay Subgrades of Different Strengths. International Journal of Geosynthetics and Ground Engineering, 2015, 1, 1.	2.0	26
17	Behaviour of Geosynthetic Reinforced Unpaved Roads Under Cyclic Loading. Indian Geotechnical Journal, 2014, 44, 77-85.	1.4	6
18	Improved performance of soft clay foundations using stone columns and geocell-sand mattress. Geotextiles and Geomembranes, 2013, 41, 26-35.	4.6	94

#	ARTICLE	IF	CITATIONS
19	Influence of geosynthetic encasement on the performance of stone columns floating in soft clay. Canadian Geotechnical Journal, 2013, 50, 754-765.	2.8	98
20	Effect of Geocell Type on Load-Carrying Mechanisms of Geocell-Reinforced Sand Foundations. International Journal of Geomechanics, 2012, 12, 537-548.	2.7	81
21	Performance Improvement of Railway Ballast Using Geocells. Indian Geotechnical Journal, 2012, 42, 186-193.	1.4	15
22	Lime Stabilization of Soils: Reappraisal. Journal of Materials in Civil Engineering, 2012, 24, 707-714.	2.9	238
23	Evaluation of seismic soil-liquefaction at Guwahati city. Environmental Earth Sciences, 2010, 61, 355-368.	2.7	28
24	Deterministic seismic scenarios for North East India. Journal of Seismology, 2010, 14, 143-167.	1.3	30
25	Influence of Relative Density of Soil on Performance of Geocell-Reinforced Sand Foundations. Journal of Materials in Civil Engineering, 2010, 22, 533-538.	2.9	59
26	Bearing capacity of circular footing on geocell-sand mattress overlying clay bed with void. Geotextiles and Geomembranes, 2009, 27, 89-98.	4.6	175
27	Numerical Simulation of the Behavior of Geocell Reinforced Sand in Foundations. International Journal of Geomechanics, 2009, 9, 143-152.	2.7	74
28	Equivalent Continuum Simulations of Geocell Reinforced Sand Beds Supporting Strip Footings. Geotechnical and Geological Engineering, 2008, 26, 387-398.	1.7	34
29	Ground motion estimation at Guwahati city for an Mw 8.1 earthquake in the Shillong plateau. Tectonophysics, 2008, 448, 98-114.	2.2	42
30	STOCHASTIC MODELING OF SPT N-VALUE AND EVALUATION OF PROBABILITY OF LIQUEFACTION AT GUWAHATI CITY. Journal of Earthquake and Tsunami, 2008, 02, 175-196.	1.3	10
31	Behaviour of geocell-reinforced sand beds under strip loading. Canadian Geotechnical Journal, 2007, 44, 905-916.	2.8	101
32	Performance of surface footing on geocell-reinforced soft clay beds. Geotechnical and Geological Engineering, 2007, 25, 509-524.	1.7	73
33	Model studies of a circular footing supported on geocell-reinforced clay. Canadian Geotechnical Journal, 2005, 42, 693-703.	2.8	94
34	Model studies on circular footing supported on geocell reinforced sand underlain by soft clay. Geotextiles and Geomembranes, 2003, 21, 197-219.	4.6	228
35	Strip footing on geocell reinforced sand beds with additional planar reinforcement. Geotextiles and Geomembranes, 2001, 19, 529-538.	4.6	105
36	Bearing capacity of a strip footing situated on soil slope using a non-associated flow rule in lower bound limit analysis. , 0, .		1