

Kousik Deb

List of Publications by Year in descending order

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57
papers

1,174
citations

394421

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414414

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57
docs citations

57
times ranked

509
citing authors

#	ARTICLE	IF	CITATIONS
1	Laboratory model studies on unreinforced and geogrid-reinforced sand bed over stone column-improved soft clay. <i>Geotextiles and Geomembranes</i> , 2011, 29, 190-196.	4.6	93
2	A mathematical model to study the soil arching effect in stone column-supported embankment resting on soft foundation soil. <i>Applied Mathematical Modelling</i> , 2010, 34, 3871-3883.	4.2	86
3	Generalized Model for Geosynthetic-Reinforced Granular Fill-Soft Soil with Stone Columns. <i>International Journal of Geomechanics</i> , 2007, 7, 266-276.	2.7	83
4	Analysis of stone column-supported geosynthetic-reinforced embankments. <i>Applied Mathematical Modelling</i> , 2013, 37, 2943-2960.	4.2	67
5	Response of multilayer geosynthetic-reinforced bed resting on soft soil with stone columns. <i>Computers and Geotechnics</i> , 2008, 35, 323-330.	4.7	49
6	Estimation of Design Parameters for Braced Excavation: Numerical Study. <i>International Journal of Geomechanics</i> , 2013, 13, 234-247.	2.7	49
7	Finite element analysis of geotextile-reinforced sand-bed subjected to strip loading. <i>Geotextiles and Geomembranes</i> , 2008, 26, 91-99.	4.6	48
8	Modeling of granular bedâ€‘stone columnâ€‘improved soft soil. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2008, 32, 1267-1288.	3.3	45
9	Bearing Capacity of Rectangular Footings on Multilayer Geosynthetic-Reinforced Granular Fill over Soft Soil. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	41
10	Study of Active Earth Pressure behind a Vertical Retaining Wall Subjected to Rotation about the Base. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	40
11	Effect of Clogging on Rate of Consolidation of Stone Columnâ€‘Improved Ground by Considering Particle Migration. <i>International Journal of Geomechanics</i> , 2016, 16, .	2.7	36
12	Numerical Analysis of Multi Layer Geosynthetic-Reinforced Granular Bed over Soft Fill. <i>Geotechnical and Geological Engineering</i> , 2007, 25, 639-646.	1.7	33
13	Cost Optimization of Reinforced Earth Walls. <i>Geotechnical and Geological Engineering</i> , 2008, 26, 1-12.	1.7	27
14	Experimental and 3D Numerical Study on Time-Dependent Behavior of Stone Columnâ€‘Supported Embankments. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	27
15	3D Finite-Element Dynamic Analysis of Rigid Pavement Using Infinite Elements. <i>International Journal of Geomechanics</i> , 2013, 13, 533-544.	2.7	26
16	2-D finite element analysis of rigid pavement considering dynamic vehicleâ€‘pavement interaction effects. <i>Applied Mathematical Modelling</i> , 2013, 37, 1282-1294.	4.2	23
17	Effect of aspect ratio of footing on behavior of two closely-spaced footings on geogrid-reinforced sand. <i>Geotextiles and Geomembranes</i> , 2020, 48, 443-453.	4.6	23
18	Nonlinear analysis of multilayer extensible geosynthetic-reinforced granular bed on soft soil. <i>Geotechnical and Geological Engineering</i> , 2007, 25, 11-23.	1.7	22

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19	Optimum design of stone column-improved soft soil using multiobjective optimization technique. <i>Computers and Geotechnics</i> , 2011, 38, 50-57.	4.7	22
20	Rate of Consolidation of Stone Column-Improved Ground Considering Variable Permeability and Compressibility in Smear Zone. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	21
21	Shake Table Tests and Numerical Modeling of Liquefaction of Kasai River Sand. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 1327-1340.	1.7	20
22	Modeling of uniformly loaded circular raft resting on stone column-improved ground. <i>Soils and Foundations</i> , 2014, 54, 1212-1224.	3.1	19
23	Response of Cylindrical Storage Tank Foundation Resting on Tensionless Stone Column-Improved Soil. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	19
24	Interference Effect of Closely Spaced Footings Resting on Granular Fill over Soft Clay. <i>International Journal of Geomechanics</i> , 2019, 19, .	2.7	18
25	Rate of consolidation of stone column-improved ground considering change in permeability and compressibility during consolidation. <i>Applied Mathematical Modelling</i> , 2017, 48, 548-566.	4.2	16
26	Modeling of Stone Column-Supported Embankment Under Axi-Symmetric Condition. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 707-730.	1.7	15
27	Behavior of underground strutted retaining structure under seismic condition. <i>Earthquake and Structures</i> , 2015, 8, 1147-1170.	1.0	15
28	Effect of clogging of stone column on drainage capacity during soil liquefaction. <i>Soils and Foundations</i> , 2019, 59, 196-207.	3.1	14
29	Axi-symmetric Analysis of Geosynthetic-reinforced Granular Fill-soft Soil System with Group of Stone Columns. <i>Geotechnical and Geological Engineering</i> , 2010, 28, 177-186.	1.7	13
30	Parameter Estimation for a System of Beams Resting on Stone Column-Reinforced Soft Soil. <i>International Journal of Geomechanics</i> , 2013, 13, 222-233.	2.7	13
31	Finite element analysis of rigid pavement on a nonlinear two parameter foundation model. <i>International Journal of Geotechnical Engineering</i> , 2012, 6, 275-286.	2.0	12
32	Effects of fines on compaction characteristics of poorly graded sands. <i>International Journal of Geotechnical Engineering</i> , 2010, 4, 299-304.	2.0	11
33	Evolutionary approach for optimal stability analysis of geosynthetic-reinforced stone column-supported embankments on clay. <i>KSCE Journal of Civil Engineering</i> , 2012, 16, 1185-1192.	1.9	11
34	Use of finite and infinite elements in static analysis of pavement. <i>Interaction and Multiscale Mechanics</i> , 2010, 3, 95-110.	0.4	11
35	Effect of vehicle-pavement interaction on dynamic response of rigid pavements. <i>Geomechanics and Geoengineering</i> , 2011, 6, 31-39.	1.8	10
36	Effect of Stiffness of Stone Column on Drainage Capacity during Soil Liquefaction. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	10

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37	Effect of Fines on Behavior of Braced Excavation in Sand: Experimental and Numerical Study. International Journal of Geomechanics, 2016, 16, .	2.7	9
38	Behavior of braced excavation in sand under a seismic condition: experimental and numerical studies. Earthquake Engineering and Engineering Vibration, 2018, 17, 311-324.	2.3	9
39	Seismic behavior of cantilever wall embedded in dry and saturated sand. Frontiers of Structural and Civil Engineering, 2020, 14, 690-705.	2.9	8
40	Filtration performance of geotextile encasement to minimize the clogging of stone column during soil liquefaction. Geotextiles and Geomembranes, 2021, 49, 771-788.	4.6	8
41	Experimental and analytical study of passive earth pressure behind a vertical rigid retaining wall rotating about base. European Journal of Environmental and Civil Engineering, 2022, 26, 2371-2399.	2.1	7
42	Strength and Compressibility Characteristics of Fiber-Reinforced Subgrade and their Effects on Response of Granular Fill-Subgrade System. Transportation in Developing Economies, 2015, 1, 1.	1.6	6
43	Response of stone column-improved ground under c- $\bar{\sigma}$ soil embankment. Soils and Foundations, 2019, 59, 617-632.	3.1	5
44	Postearthquake Reconsolidation Settlement of Stone Column-Treated Liquefiable Sand. International Journal of Geomechanics, 2020, 20, 04020183.	2.7	5
45	Distribution of Stress on Stone Column-Reinforced Soft Soil under Cylindrical Storage Tank. Applied Mechanics and Materials, 0, 567, 699-704.	0.2	4
46	Effect of Excavation Depths on Ground Surface Settlement for Embedded Cantilever Retaining Structure due to Seismic Loading. Procedia Engineering, 2017, 199, 2342-2347.	1.2	4
47	Behavior of braced wall embedded in saturated liquefiable sand under seismic loading. Earthquake Engineering and Engineering Vibration, 2021, 20, 361-375.	2.3	4
48	Modulus of Subgrade Reaction of Unreinforced and Geogrid-Reinforced Granular Fill Over Soft Clay. International Journal of Geomechanics, 2021, 21, .	2.7	4
49	Estimation of Design Parameters for Braced Excavation in Clays. Geotechnical and Geological Engineering, 2017, 35, 857-870.	1.7	3
50	Dynamic Pavement-Vehicle Interaction of Rigid Pavement Resting on Two-Parameter Soil Medium. , 2010, , .		2
51	A simulation-optimization model for Stone column-supported embankment stability considering rainfall effect. AIP Conference Proceedings, 2016, , .	0.4	2
52	Influence of Footing Interference on Bearing Capacity Improvement for Geogrid-Reinforced Sand Bed Underlain by Soft Clay. , 2019, , .		2
53	Probability-based design charts for stone column-improved ground. Geomechanics and Engineering, 2014, 7, 539-552.	0.9	2
54	Effect of aspect ratio of footings on settlement response of geosynthetic-reinforced granular fill-soft soil system. European Journal of Environmental and Civil Engineering, 2019, , 1-23.	2.1	1

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55	Soil-structure interaction analysis of beams resting on multilayered geosynthetic-reinforced soil. Interaction and Multiscale Mechanics, 2012, 5, 369-383.	0.4	1
56	Effect of rheological behavior of geosynthetics on settlement response. International Journal of Geotechnical Engineering, 2007, 1, 1-8.	2.0	0
57	SETTLEMENT RESPONSE OF EMBANKMENT ON MULTI LAYER GEOSYNTHETIC-REINFORCED RECLAIMED GROUND. , 2005, , .		0