Sudip Basack

List of Publications by Year
in descending order

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40 papers	786 citations	471509 17 h-index	526287 27 g-index
40 all docs	40 docs citations	40 times ranked	341 citing authors

#	Article	IF	Citations
1	Numerical Solution of Stone Columnâ€“Improved Soft Soil Considering Arching, Clogging, and Smear Effects. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 377-394.	3.0	102
2	Measured and Predicted Response of Pile Groups in Soft Clay Subjected to Cyclic Lateral Loading. International Journal of Geomechanics, 2018, 18, .	2.7	50
3	Modeling the Stone Column Behavior in Soft Ground with Special Emphasis on Lateral Deformation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	43
4	Modeling the Performance of Stone Columnâ€“Reinforced Soft Ground under Static and Cyclic Loads. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	3.0	42
5	Numerical Solution of Single Pile Subjected to Torsional Cyclic Load. International Journal of Geomechanics, 2017, 17, .	2.7	41
6	Active earth pressure on translating rigid retaining structures considering soil arching effect. European Journal of Environmental and Civil Engineering, 2018, 22, 910-926.	2.1	41
7	Performance of laterally loaded piles considering soil and interface parameters. Geomechanics and Engineering, 2014, 7, 495-524.	0.9	38
8	Numerical Solution of Single Piles Subjected to Pure Torsion. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, 74-90.	3.0	37
9	Influence of Relative Pile-Soil Stiffness and Load Eccentricity on Single Pile Response in Sand Under Lateral Cyclic Loading. Geotechnical and Geological Engineering, 2012, 30, 737-751.	1.7	35
10	Stone Columnâ€“Stabilized Soft-Soil Performance Influenced by Clogging and Lateral Deformation: Laboratory and Numerical Evaluation. International Journal of Geomechanics, 2018, 18, .	2.7	34
11	Numerical Solution of Single Pile Subjected to Simultaneous Torsional and Axial Loads. International Journal of Geomechanics, 2014, 14, .	2.7	28
12	A boundary element analysis on the influence of Krc and e/d on the performance of cyclically loaded single pile in clay. Latin American Journal of Solids and Structures, 2010, 7, 265-284.	1.0	25
13	Laboratory investigation on rheological properties of greenschist considering anisotropy under multi-stage compressive creep condition. Journal of Structural Geology, 2018, 114, 111-120.	2.3	25
14	Response of vertical pile group subjected to horizontal cyclic load in soft clay. Latin American Journal of Solids and Structures, 2010, 7, 91-103.	1.0	23
15	Biaxial Creep Test Study on the Influence of Structural Anisotropy on Rheological Behavior of Hard Rock. Journal of Materials in Civil Engineering, 2016, 28, .	2.9	22
16	Design Recommendations for Pile Subjected to Cyclic Load. Marine Georesources and Geotechnology, 2015, 33, 356-360.	2.1	19
17	Analysis of the Behaviour of Stone Column Stabilized Soft Ground Supporting Transport Infrastructure. Procedia Engineering, 2016, 143, 347-354.	1.2	19
18	Chemical stabilization of calcareous sand by polyurethane foam adhesive. Construction and Building Materials, 2021, 295, 123609.	7.2	19

#	Article	IF	Citations
19	Pile group in clay under cyclic lateral loading with emphasis on bending moment: Numerical modelling. Marine Georesources and Geotechnology, 2023, 41, 269-284.	2.1	17
20	A Technical Note on Development and Performance Study of a Set-up for Imparting Lateral Cyclic Load on Piles. Marine Georesources and Geotechnology, 2009, 27, 322-341.	2.1	15
21	Hybrid Approach for Rigid Piled-Raft Foundations Subjected to Coupled Loads in Layered Soils. International Journal of Geomechanics, 2017, 17, 04016122.	2.7	15
22	Saltwater Intrusion into Coastal Aquifers and Associated Risk Management: Critical Review and Research Directives. Journal of Coastal Research, 2022, 38, .	0.3	15
23	A Comparative Study on Soil Stabilization Relevant to Transport Infrastructure using Bagasse Ash and Stone Dust and Cost Effectiveness. Civil Engineering Journal (Iran), 2021, 7, 1947-1963.	3.9	11
24	A coastal groundwater management model with Indian case study. Water Management, 2014, 167, 126-140.	1.2	10
25	New Technique for Ground Vibration Mitigation by Horizontally Buried Hollow Pipes. International Journal of Geomechanics, 2021, 21, .	2.7	9
26	Field Installation Effects of Stone Columns on Load Settlement Characteristics of Reinforced Soft Ground. International Journal of Geomechanics, 2022, 22, .	2.7	9
27	Piles Subjected to Torsional Cyclic Load: Numerical Analysis. Frontiers in Built Environment, 2019, 5, .	2.3	6
28	Review of Risk Assessment and Mitigation Measures of Coastal Aquifers Vulnerable to Saline Water Intrusion. Polish Journal of Environmental Studies, 2022, 31, 1505-1512.	1.2	6
29	Analytical and Numerical Solutions to Selected Research Problems in Geomechanics and Geohydraulics. WSEAS Transactions on Applied and Theoretical Mechanics, 2021, 16, 222-231.	1.1	5
30	Flow Characteristics through Saturated Soil: Experimental Study. WSEAS Transactions on Environment and Development, 2020, 16, 198-203.	0.7	5
31	Power Generation by Offshore Wind Turbines: An Overview on Recent Research and Developments. WSEAS Transactions on Power Systems, 2021, 16, 254-261.	0.4	5
32	Theoretical and Numerical Perspectives on Performance of Stone-Column-Improved Soft Ground with Reference to Transport Infrastructure. , 2015, , 751-795.		4
33	Hydrological and Environmental Study on Surface Water Characterization in a Locality in North Eastern India. WSEAS Transactions on Environment and Development, 2021, 17, 1228-1233.	0.7	3
34	Analysis and Design of Offshore Pile Foundation. Advanced Materials Research, 0, 891-892, 17-23.	0.3	2
35	Closure to â€œModeling the Stone Column Behavior in Soft Ground with Special Emphasis on Lateral Deformationâ€•by Sudip Basack, Buddhima Indraratna, Cholachat Rujikiatkamjorn, and Firman Siahaan. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, 07018008.	3.0	2
36	Geomechanical Hazards related to River Hydraulics and Remedial Measures: Selected Case Studies in India. WSEAS Transactions on Fluid Mechanics, 2021, 16, 214-221.	1.0	2

#	Article	IF	Citations
37	Offshore Pile Foundation Subjected to Lateral Cyclic Load in Layered Soil. Advanced Materials Research, 0, 891-892, 24-29.	0.3	1
38	Influence of Saltwater Submergence on Geohydraulic Properties of Sand: A Laboratory Investigation. Hydrology, 2021, 8, 181.	3.0	1
39	Geomechanics of Soft Ground Improvement by Perforated Piles: Review and Case Study. WSEAS Transactions on Applied and Theoretical Mechanics, 2022, 17, 21-28.	1.1	0
40	Rainfall induced Geohydraulic and Evapotranspiration Characteristics: An Indian Case Study. WSEAS Transactions on Environment and Development, 2022, 18, 452-460.	0.7	0