

Sudip Basack

List of Publications by Year in descending order

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Version: 2024-02-01

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	Pile group in clay under cyclic lateral loading with emphasis on bending moment: Numerical modelling. <i>Marine Georesources and Geotechnology</i> , 2023, 41, 269-284.	2.1	17
2	Review of Risk Assessment and Mitigation Measures of Coastal Aquifers Vulnerable to Saline Water Intrusion. <i>Polish Journal of Environmental Studies</i> , 2022, 31, 1505-1512.	1.2	6
3	Geomechanics of Soft Ground Improvement by Perforated Piles: Review and Case Study. <i>WSEAS Transactions on Applied and Theoretical Mechanics</i> , 2022, 17, 21-28.	1.1	0
4	Field Installation Effects of Stone Columns on Load Settlement Characteristics of Reinforced Soft Ground. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	9
5	Rainfall induced Geohydraulic and Evapotranspiration Characteristics: An Indian Case Study. <i>WSEAS Transactions on Environment and Development</i> , 2022, 18, 452-460.	0.7	0
6	Saltwater Intrusion into Coastal Aquifers and Associated Risk Management: Critical Review and Research Directives. <i>Journal of Coastal Research</i> , 2022, 38, .	0.3	15
7	New Technique for Ground Vibration Mitigation by Horizontally Buried Hollow Pipes. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	9
8	Chemical stabilization of calcareous sand by polyurethane foam adhesive. <i>Construction and Building Materials</i> , 2021, 295, 123609.	7.2	19
9	Analytical and Numerical Solutions to Selected Research Problems in Geomechanics and Geohydraulics. <i>WSEAS Transactions on Applied and Theoretical Mechanics</i> , 2021, 16, 222-231.	1.1	5
10	A Comparative Study on Soil Stabilization Relevant to Transport Infrastructure using Bagasse Ash and Stone Dust and Cost Effectiveness. <i>Civil Engineering Journal (Iran)</i> , 2021, 7, 1947-1963.	3.9	11
11	Power Generation by Offshore Wind Turbines: An Overview on Recent Research and Developments. <i>WSEAS Transactions on Power Systems</i> , 2021, 16, 254-261.	0.4	5
12	Influence of Saltwater Submergence on Geohydraulic Properties of Sand: A Laboratory Investigation. <i>Hydrology</i> , 2021, 8, 181.	3.0	1
13	Hydrological and Environmental Study on Surface Water Characterization in a Locality in North Eastern India. <i>WSEAS Transactions on Environment and Development</i> , 2021, 17, 1228-1233.	0.7	3
14	Geomechanical Hazards related to River Hydraulics and Remedial Measures: Selected Case Studies in India. <i>WSEAS Transactions on Fluid Mechanics</i> , 2021, 16, 214-221.	1.0	2
15	Flow Characteristics through Saturated Soil: Experimental Study. <i>WSEAS Transactions on Environment and Development</i> , 2020, 16, 198-203.	0.7	5
16	Piles Subjected to Torsional Cyclic Load: Numerical Analysis. <i>Frontiers in Built Environment</i> , 2019, 5, .	2.3	6
17	Stone Columnâ€Stabilized Soft-Soil Performance Influenced by Clogging and Lateral Deformation: Laboratory and Numerical Evaluation. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	34
18	Measured and Predicted Response of Pile Groups in Soft Clay Subjected to Cyclic Lateral Loading. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	50

#	ARTICLE	IF	CITATIONS
19	Closure to "Modeling the Stone Column Behavior in Soft Ground with Special Emphasis on Lateral Deformation" by Sudip Basack, Buddhima Indraratna, Cholachat Rujikiatkamjorn, and Firman Siahaan. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, 07018008.	3.0	2
20	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
21	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
22	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
23	Numerical Solution of Single Pile Subjected to Torsional Cyclic Load. International Journal of Geomechanics, 2017, 17, .	2.7	41
24	Hybrid Approach for Rigid Piled-Raft Foundations Subjected to Coupled Loads in Layered Soils. International Journal of Geomechanics, 2017, 17, 04016122.	2.7	15
25	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
26	Analysis of the Behaviour of Stone Column Stabilized Soft Ground Supporting Transport Infrastructure. Procedia Engineering, 2016, 143, 347-354.	1.2	19
27	Modeling the Performance of Stone Column "Reinforced Soft Ground under Static and Cyclic Loads. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	3.0	42
28	Design Recommendations for Pile Subjected to Cyclic Load. Marine Georesources and Geotechnology, 2015, 33, 356-360.	2.1	19
29	Theoretical and Numerical Perspectives on Performance of Stone-Column-Improved Soft Ground with Reference to Transport Infrastructure. , 2015, , 751-795.		4
30	Performance of laterally loaded piles considering soil and interface parameters. Geomechanics and Engineering, 2014, 7, 495-524.	0.9	38
31	A coastal groundwater management model with Indian case study. Water Management, 2014, 167, 126-140.	1.2	10
32	Numerical Solution of Single Piles Subjected to Pure Torsion. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, 74-90.	3.0	37
33	Numerical Solution of Single Pile Subjected to Simultaneous Torsional and Axial Loads. International Journal of Geomechanics, 2014, 14, .	2.7	28
34	Numerical Solution of Stone Column "Improved Soft Soil Considering Arching, Clogging, and Smear Effects. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 377-394.	3.0	102
35	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
36	A boundary element analysis on the influence of K_{rc} 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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	Offshore Pile Foundation Subjected to Lateral Cyclic Load in Layered Soil. Advanced Materials Research, 0, 891-892, 24-29.	0.3	1
40	Analysis and Design of Offshore Pile Foundation. Advanced Materials Research, 0, 891-892, 17-23.	0.3	2