

Anindya Pain

List of Publications by Year in descending order

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37
papers

722
citations

623734

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38
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38
docs citations

38
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408
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic stability of retaining wallâ€“soil sliding interaction using modified pseudo-dynamic method. Geotechnique Letters, 2015, 5, 56-61.	1.2	78
2	Finite element modeling approach to assess the stability of debris and rock slopes: a case study from the Indian Himalayas. Natural Hazards, 2013, 69, 1-24.	3.4	71
3	Seismic rotational stability of gravity retaining walls by modified pseudo-dynamic method. Soil Dynamics and Earthquake Engineering, 2017, 94, 244-253.	3.8	68
4	New Method to Compute Seismic Active Earth Pressure on Retaining Wall Considering Seismic Waves. Geotechnical and Geological Engineering, 2014, 32, 391-402.	1.7	57
5	Artificial Neural Network (ANN) and Regression Tree (CART) applications for the indirect estimation of unsaturated soil shear strength parameters. Frontiers of Earth Science, 2014, 8, 439-456.	2.1	53
6	Rock slope stability assessment using finite element based modelling â€“ examples from the Indian Himalayas. Geomechanics and Geoengineering, 2014, 9, 215-230.	1.8	44
7	Seismic Uplift Capacity of Horizontal Strip Anchors Using a Modified Pseudodynamic Approach. International Journal of Geomechanics, 2016, 16, .	2.7	41
8	Effect of dynamic soil properties and frequency content of harmonic excitation on the internal stability of reinforced soil retaining structure. Geotextiles and Geomembranes, 2017, 45, 471-486.	4.6	38
9	Evaluation of seismic passive earth pressure of inclined rigid retaining wall considering soil arching effect. Soil Dynamics and Earthquake Engineering, 2017, 100, 286-295.	3.8	36
10	Seismic passive earth resistance using modified pseudo-dynamic method. Earthquake Engineering and Engineering Vibration, 2017, 16, 263-274.	2.3	34
11	Effects of Elevated Temperatures on the Microstructural, Physico-Mechanical and Elastic Properties of Barakar Sandstone: A Study from One of the Worldâ€™s Largest Underground Coalmine Fire Region, Jharia, India. Rock Mechanics and Rock Engineering, 2021, 54, 1293-1314.	5.4	31
12	Seismic Translational Failure Analysis of MSW Landfills Using Modified Pseudo-Dynamic Approach. International Journal of Geomechanics, 2017, 17, .	2.7	26
13	A simplified approach to assess seismic stability of tailings dams. Journal of Rock Mechanics and Geotechnical Engineering, 2018, 10, 1082-1090.	8.1	18
14	Seismic Active Thrust on Rigid Retaining Wall Using Strain Dependent Dynamic Properties. International Journal of Geomechanics, 2018, 18, .	2.7	16
15	Seismic Stability Analysis of Municipal Solid Waste Landfills Using Strain Dependent Dynamic Properties. Indian Geotechnical Journal, 2019, 49, 204-215.	1.4	12
16	Predicting Blast-Induced Ground Vibrations in Some Indian Tunnels: a Comparison of Decision Tree, Artificial Neural Network and Multivariate Regression Methods. Mining, Metallurgy and Exploration, 2020, 37, 1039-1053.	0.8	12
17	Effect of strain-dependent dynamic properties of backfill and foundation soil on the external stability of geosynthetic reinforced waterfront retaining structure subjected to harmonic motion. Applied Ocean Research, 2019, 91, 101899.	4.1	9
18	Applicability of Bouc-Wen Model to Capture Asymmetric Behavior of Sand at High Cyclic Shear Strain. International Journal of Geomechanics, 2020, 20, .	2.7	8

#	ARTICLE	IF	CITATIONS
19	Seismic rotational displacement of retaining walls: a pseudo-dynamic approach. Innovative Infrastructure Solutions, 2016, 1, 1.	2.2	7
20	Stability Assessment of Earth Retaining Structures under Static and Seismic Conditions. Infrastructures, 2019, 4, 15.	2.8	7
21	Probabilistic stability analysis of geosynthetic-reinforced slopes under pseudo-static and modified pseudo-dynamic conditions. Geotextiles and Geomembranes, 2021, 49, 1565-1584.	4.6	7
22	The Seismic Bearing Capacity Factor for Surface Strip Footings. , 2016, , .		6
23	Efficient computational system reliability analysis of reinforced soil-retaining structures under seismic conditions including the effect of simulated noise. Engineering With Computers, 0, , 1.	6.1	6
24	Finite Element Modeling (FEM) vs. Simplified Force-Based Methods for Rigid Retaining Walls Under Earthquake Excitation. Journal of Earthquake and Tsunami, 2021, 15, .	1.3	6
25	Influence of Foundation Soil on the Seismic Factor of Safety of Geosynthetic-Lined Solid-Waste Landfills: Equivalent Linear Approach. Natural Hazards Review, 2020, 21, 04020027.	1.5	5
26	Efficient Probabilistic Stability Analysis of Geosynthetic Reinforced Slopes Using Collocation-Based Stochastic Response Surface. International Journal of Geomechanics, 2021, 21, .	2.7	5
27	Stochastic stability analysis of geosynthetic reinforced slopes subjected to harmonic base shaking. Transportation Geotechnics, 2021, 29, 100562.	4.5	4
28	Computation of the Rotational Displacements of Gravity Retaining Walls by the Pseudo-Dynamic Method. , 2016, , .		3
29	A data driven efficient framework for the probabilistic slope stability analysis of Pakhi landslide, Garhwal Himalaya. Journal of Earth System Science, 2021, 130, 1.	1.3	3
30	Reliability Assessment of Tunnels Using Machine Learning Algorithms. Indian Geotechnical Journal, 2022, 52, 780-798.	1.4	3
31	Closure to "Seismic Uplift Capacity of Horizontal Strip Anchors Using a Modified Pseudodynamic Approach" by Anindya Pain, Deepankar Choudhury, and S. K. Bhattacharyya. International Journal of Geomechanics, 2017, 17, 07017002.	2.7	2
32	Effect of Local Site Condition on the Seismic Stability of Municipal Solid Waste Landfills. , 2018, , .		2
33	Probabilistic Stability Analysis of Helical Soil Nailed Wall Using the Monte-Carlo Simulation. Lecture Notes in Civil Engineering, 2022, , 221-232.	0.4	2
34	A Strain Dependent Approach for Seismic Stability Assessment of Rigid Retaining Wall. Geotechnical and Geological Engineering, 2020, 38, 6041-6055.	1.7	1
35	Field investigation and finite element modelling of a progressive debris slide in the Indian Himalayas. , 2012, , .		1
36	Reliability assessment of reinforced slopes with unknown probability distribution. Geosynthetics International, 0, , 1-36.	2.9	0

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37	Efficient surrogate model based probabilistic analysis of helical soil nailed wall under seismic conditions. European Journal of Environmental and Civil Engineering, 2023, 27, 1263-1284.	2.1	0