

Anindya Pain

List of Publications by Year in descending order

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37
papers

722
citations

623734

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docs citations

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times ranked

408
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Efficient surrogate model based probabilistic analysis of helical soil nailed wall under seismic conditions. <i>European Journal of Environmental and Civil Engineering</i> , 2023, 27, 1263-1284. | 2.1 | 0 |
| 2 | Probabilistic Stability Analysis of Helical Soil Nailed Wall Using the Monte-Carlo Simulation. <i>Lecture Notes in Civil Engineering</i> , 2022, , 221-232. | 0.4 | 2 |
| 3 | Reliability Assessment of Tunnels Using Machine Learning Algorithms. <i>Indian Geotechnical Journal</i> , 2022, 52, 780-798. | 1.4 | 3 |
| 4 | Effects of Elevated Temperatures on the Microstructural, Physico-Mechanical and Elastic Properties of Barakar Sandstone: A Study from One of the World's Largest Underground Coalmine Fire Region, Jharia, India. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 1293-1314. | 5.4 | 31 |
| 5 | Finite Element Modeling (FEM) vs. Simplified Force-Based Methods for Rigid Retaining Walls Under Earthquake Excitation. <i>Journal of Earthquake and Tsunami</i> , 2021, 15, . | 1.3 | 6 |
| 6 | Stochastic stability analysis of geosynthetic reinforced slopes subjected to harmonic base shaking. <i>Transportation Geotechnics</i> , 2021, 29, 100562. | 4.5 | 4 |
| 7 | A data driven efficient framework for the probabilistic slope stability analysis of Pakhi landslide, Garhwal Himalaya. <i>Journal of Earth System Science</i> , 2021, 130, 1. | 1.3 | 3 |
| 8 | Probabilistic stability analysis of geosynthetic-reinforced slopes under pseudo-static and modified pseudo-dynamic conditions. <i>Geotextiles and Geomembranes</i> , 2021, 49, 1565-1584. | 4.6 | 7 |
| 9 | Efficient Probabilistic Stability Analysis of Geosynthetic Reinforced Slopes Using Collocation-Based Stochastic Response Surface. <i>International Journal of Geomechanics</i> , 2021, 21, . | 2.7 | 5 |
| 10 | Influence of Foundation Soil on the Seismic Factor of Safety of Geosynthetic-Lined Solid-Waste Landfills: Equivalent Linear Approach. <i>Natural Hazards Review</i> , 2020, 21, 04020027. | 1.5 | 5 |
| 11 | A Strain Dependent Approach for Seismic Stability Assessment of Rigid Retaining Wall. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 6041-6055. | 1.7 | 1 |
| 12 | Predicting Blast-Induced Ground Vibrations in Some Indian Tunnels: a Comparison of Decision Tree, Artificial Neural Network and Multivariate Regression Methods. <i>Mining, Metallurgy and Exploration</i> , 2020, 37, 1039-1053. | 0.8 | 12 |
| 13 | Applicability of Bouc-Wen Model to Capture Asymmetric Behavior of Sand at High Cyclic Shear Strain. <i>International Journal of Geomechanics</i> , 2020, 20, . | 2.7 | 8 |
| 14 | Seismic Stability Analysis of Municipal Solid Waste Landfills Using Strain Dependent Dynamic Properties. <i>Indian Geotechnical Journal</i> , 2019, 49, 204-215. | 1.4 | 12 |
| 15 | 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. <i>Applied Ocean Research</i> , 2019, 91, 101899. | 4.1 | 9 |
| 16 | Stability Assessment of Earth Retaining Structures under Static and Seismic Conditions. <i>Infrastructures</i> , 2019, 4, 15. | 2.8 | 7 |
| 17 | Seismic Active Thrust on Rigid Retaining Wall Using Strain Dependent Dynamic Properties. <i>International Journal of Geomechanics</i> , 2018, 18, . | 2.7 | 16 |
| 18 | A simplified approach to assess seismic stability of tailings dams. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2018, 10, 1082-1090. | 8.1 | 18 |

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|----|--|-----|-----------|
| 19 | Effect of Local Site Condition on the Seismic Stability of Municipal Solid Waste Landfills. , 2018, , . | | 2 |
| 20 | 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 |
| 21 | Seismic rotational stability of gravity retaining walls by modified pseudo-dynamic method. Soil Dynamics and Earthquake Engineering, 2017, 94, 244-253. | 3.8 | 68 |
| 22 | Seismic passive earth resistance using modified pseudo-dynamic method. Earthquake Engineering and Engineering Vibration, 2017, 16, 263-274. | 2.3 | 34 |
| 23 | 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 |
| 24 | Seismic Translational Failure Analysis of MSW Landfills Using Modified Pseudo-Dynamic Approach. International Journal of Geomechanics, 2017, 17, . | 2.7 | 26 |
| 25 | 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 |
| 26 | Computation of the Rotational Displacements of Gravity Retaining Walls by the Pseudo-Dynamic Method. , 2016, , . | | 3 |
| 27 | The Seismic Bearing Capacity Factor for Surface Strip Footings. , 2016, , . | | 6 |
| 28 | Seismic rotational displacement of retaining walls: a pseudo-dynamic approach. Innovative Infrastructure Solutions, 2016, 1, 1. | 2.2 | 7 |
| 29 | Seismic Uplift Capacity of Horizontal Strip Anchors Using a Modified Pseudodynamic Approach. International Journal of Geomechanics, 2016, 16, . | 2.7 | 41 |
| 30 | Seismic stability of retaining wall "soil sliding interaction using modified pseudo-dynamic method. Geotechnique Letters, 2015, 5, 56-61. | 1.2 | 78 |
| 31 | Rock slope stability assessment using finite element based modelling " examples from the Indian Himalayas. Geomechanics and Geoengineering, 2014, 9, 215-230. | 1.8 | 44 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | Field investigation and finite element modelling of a progressive debris slide in the Indian Himalayas. , 2012, , . | | 1 |
| 36 | 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 |

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|----|--|-----|-----------|
| 37 | Reliability assessment of reinforced slopes with unknown probability distribution. Geosynthetics International, 0, , 1-36. | 2.9 | 0 |