# Rajib Sarkar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6176230/publications.pdf

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| 31 | 337 | 1163117 8 | 839539 18 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 32 | 32 | 32 | 227 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Review of Seismic Damage of Mountain Tunnels and Probable Failure Mechanisms. Geotechnical and Geological Engineering, 2017, 35, 1-28. | 1.7 | 83 |
| 2 | Seismic Behavior of Soil-Pile-Structure Interaction in Liquefiable Soils: Parametric Study. International Journal of Geomechanics, 2011, 11, 335-347. | 2.7 | 76 |
| 3 | Effects of Separation on the Behavior of Soil-Pile Interaction in Liquefiable Soils. International Journal of Geomechanics, 2012, 12, 1-13. | 2.7 | 39 |
| 4 | A three-dimensional investigation on performance of batter pile groups in laterally spreading ground. Soil Dynamics and Earthquake Engineering, 2021, 141, 106508. | 3.8 | 18 |
| 5 | Seismic Requalification of Pile Foundations in Liquefiable Soils. Indian Geotechnical Journal, 2014, 44, 183-195. | 1.4 | 17 |
| 6 | Seismic Hazard Assessment of Dhanbad City, India, by deterministic approach. Natural Hazards, 2020, 103, 1857-1880. | 3.4 | 14 |
| 7 | Prediction Model for Performance Evaluation of Tunnel Excavation in Blocky Rock Mass. International Journal of Geomechanics, 2018, 18, . | 2.7 | 10 |
| 8 | Estimation of Transient Forces in Single Pile Embedded in Liquefiable Soil. International Journal of Geomechanics, 2020, 20, . | 2.7 | 10 |
| 9 | Probabilistic Investigation on Bearing Capacity of Unsaturated Fly Ash. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, . | 2.0 | 8 |
| 10 | Probabilistic seismic hazard assessment of Dhanbad city, India. Bulletin of Engineering Geology and the Environment, 2020, 79, 5107-5124. | 3.5 | 8 |
| 11 | Seismic behavior of batter pile groups embedded in liquefiable soil. Earthquake Engineering and Engineering Vibration, 2021, 20, 583-604. | 2.3 | 8 |
| 12 | Performance of piles with different batter angles in laterally spreading soil: a probabilistic investigation. Bulletin of Earthquake Engineering, 2020, 18, 6203-6244. | 4.1 | 6 |
| 13 | A Three Dimensional Comparative Study of Seismic Behaviour of Vertical and Batter Pile Groups. Geotechnical and Geological Engineering, 2017, 36, 763. | 1.7 | 5 |
| 14 | Influence of stratification and assessment of fragility curves for mountain tunnels. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2021, 174, 279-290. | 1.6 | 5 |
| 15 | Transverse Dynamic Response of Circular Tunnels in Blocky Rock Mass Using Distinct-Element Method. International Journal of Geomechanics, 2018, 18, . | 2.7 | 4 |
| 16 | Flexural Response of Pile Foundation in Liquefiable Soil Using Finite-Difference Formulation Following Pseudostatic Approach. Indian Geotechnical Journal, 2020, 50, 880-906. | 1.4 | 4 |
| 17 | Probabilistic assessment of effects of heterogeneity on the stability of coal mine overburden dump slopes through discrete element framework. Bulletin of Engineering Geology and the Environment, 2022, 81, . | 3.5 | 4 |
| 18 | Assessment of Vulnerability of Rock Slope Considering Material and Seismic Variability. Journal of the Geological Society of India, 2018, 92, 449-456. | 1.1 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Relative influence of strength and geometric parameters on the behavior of jointed rock slopes. Arabian Journal of Geosciences, 2019, 12, 1. | 1.3 | 3 |
| 20 | A comprehensive probabilistic investigation on bearing behavior of unsaturated fly ash deposits. Arabian Journal of Geosciences, 2022, 15, . | 1.3 | 3 |
| 21 | A comprehensive study on bearing behavior of cementâ€“fly ash composites through experimental and probabilistic investigations. Innovative Infrastructure Solutions, 2021, 6, 1. | 2.2 | 2 |
| 22 | A comprehensive investigation on bearing capacity of shallow foundations on unsaturated fly ash slopes adopting finite element limit analysis. European Journal of Environmental and Civil Engineering, 0, , 1-27. | 2.1 | 2 |
| 23 | Kinematic response of single vertical and batter piles to bidirectional ground motions in liquefiable soil. Structures, 2022, 37, 203-216. | 3.6 | 2 |
| 24 | Deterministic Seismic Hazard Assessment of Dhanbad City, India. Lecture Notes in Civil Engineering, 2021, , 1-14. | 0.4 | 1 |
| 25 | Site-specific response of a 5â€‰MW offshore wind turbine for Gujarat Coast of India. Marine Georesources and Geotechnology, 2022, 40, 1119-1138. | 2.1 | 1 |
| 26 | Prediction of Pile Response in Lateral Spreading Soil Using Multigene Genetic Programming. International Journal of Geomechanics, 2022, 22, . | 2.7 | 1 |
| 27 | Probabilistic Investigation on Seismic Bearing Capacity of Shallow Foundation on Unsaturated Fly Ash Deposit. Lecture Notes in Civil Engineering, 2022, , 459-470. | 0.4 | 0 |
| 28 | Comparative Study on Behavior of Vertical and Batter Piles in Lateral Spreading Soil. Lecture Notes in Civil Engineering, 2021, , 53-63. | 0.4 | 0 |
| 29 | Reliability Analysis of Single Pile in Lateral Spreading Ground: A Three-Dimensional Investigation. Lecture Notes in Civil Engineering, 2021, , 383-398. | 0.4 | 0 |
| 30 | A neural network-based approach for prediction of PGA and significant duration parameters in the Uttarakhand region of India. Environmental Earth Sciences, 2022, 81, . | 2.7 | 0 |
| 31 | Seismic bearing capacity of strip footing on partially saturated soil using modal response analysis. Earthquake Engineering and Engineering Vibration, 2022, 21, 641-662. | 2.3 | 0 |