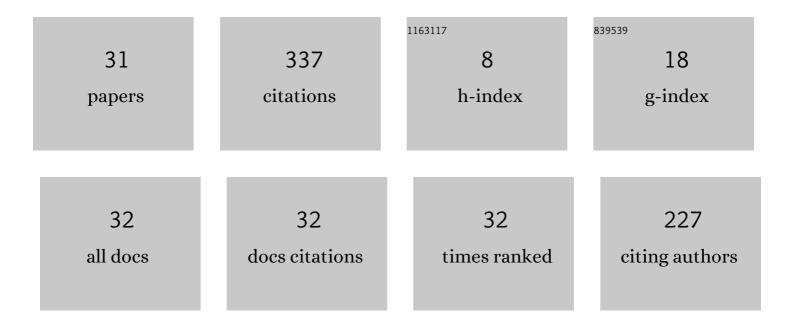
## **Rajib Sarkar**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6176230/publications.pdf Version: 2024-02-01



PAHR SADEAD

#	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

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#	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 cement–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 5 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