

Rajib Sarkar

List of Publications by Year in descending order

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papers

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citations

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all docs

32
docs citations

32
times ranked

227
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Kinematic response of single vertical and batter piles to bidirectional ground motions in liquefiable soil. Structures, 2022, 37, 203-216.	3.6	2
4	A comprehensive probabilistic investigation on bearing behavior of unsaturated fly ash deposits. Arabian Journal of Geosciences, 2022, 15, .	1.3	3
5	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
6	Prediction of Pile Response in Lateral Spreading Soil Using Multigene Genetic Programming. International Journal of Geomechanics, 2022, 22, .	2.7	1
7	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
8	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
9	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
10	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
11	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
12	Deterministic Seismic Hazard Assessment of Dhanbad City, India. Lecture Notes in Civil Engineering, 2021, , 1-14.	0.4	1
13	Seismic behavior of batter pile groups embedded in liquefiable soil. Earthquake Engineering and Engineering Vibration, 2021, 20, 583-604.	2.3	8
14	Comparative Study on Behavior of Vertical and Batter Piles in Lateral Spreading Soil. Lecture Notes in Civil Engineering, 2021, , 53-63.	0.4	0
15	Reliability Analysis of Single Pile in Lateral Spreading Ground: A Three-Dimensional Investigation. Lecture Notes in Civil Engineering, 2021, , 383-398.	0.4	0
16	Probabilistic Investigation on Bearing Capacity of Unsaturated Fly Ash. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	2.0	8
17	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
18	Seismic Hazard Assessment of Dhanbad City, India, by deterministic approach. Natural Hazards, 2020, 103, 1857-1880.	3.4	14

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19	Estimation of Transient Forces in Single Pile Embedded in Liquefiable Soil. International Journal of Geomechanics, 2020, 20, .	2.7	10
20	Probabilistic seismic hazard assessment of Dhanbad city, India. Bulletin of Engineering Geology and the Environment, 2020, 79, 5107-5124.	3.5	8
21	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
22	Relative influence of strength and geometric parameters on the behavior of jointed rock slopes. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	3
23	Prediction Model for Performance Evaluation of Tunnel Excavation in Blocky Rock Mass. International Journal of Geomechanics, 2018, 18, .	2.7	10
24	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
25	Transverse Dynamic Response of Circular Tunnels in Blocky Rock Mass Using Distinct-Element Method. International Journal of Geomechanics, 2018, 18, .	2.7	4
26	A Three Dimensional Comparative Study of Seismic Behaviour of Vertical and Batter Pile Groups. Geotechnical and Geological Engineering, 2017, 36, 763.	1.7	5
27	A Review of Seismic Damage of Mountain Tunnels and Probable Failure Mechanisms. Geotechnical and Geological Engineering, 2017, 35, 1-28.	1.7	83
28	Seismic Requalification of Pile Foundations in Liquefiable Soils. Indian Geotechnical Journal, 2014, 44, 183-195.	1.4	17
29	Effects of Separation on the Behavior of Soil-Pile Interaction in Liquefiable Soils. International Journal of Geomechanics, 2012, 12, 1-13.	2.7	39
30	Seismic Behavior of Soil-Pile-Structure Interaction in Liquefiable Soils: Parametric Study. International Journal of Geomechanics, 2011, 11, 335-347.	2.7	76
31	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