

Rajib Saha

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

261
citations

840776

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996975

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29
all docs

29
docs citations

29
times ranked

99
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of dynamic soil-pile raft-structure interaction: an experimental approach. Earthquake Engineering and Engineering Vibration, 2015, 14, 625-645.	2.3	24
2	2011 Sikkim Earthquake at Eastern Himalayas: Lessons learnt from performance of structures. Soil Dynamics and Earthquake Engineering, 2015, 75, 121-129.	3.8	24
3	SEISMIC RESPONSE OF SOIL-PILE RAFT-STRUCTURE SYSTEM. Journal of Civil Engineering and Management, 2015, 21, 144-164.	3.5	22
4	Effect of in-situ variability of soil on seismic design of piled raft supported structure incorporating dynamic soil-structure-interaction. Soil Dynamics and Earthquake Engineering, 2016, 84, 251-268.	3.8	20
5	Behaviour of piled raft foundation in sand subjected to combined V-M-H loading. Ocean Engineering, 2020, 216, 107596.	4.3	18
6	Three-dimensional numerical analysis on seismic behavior of soil-piled raft-structure system. Structures, 2020, 28, 905-922.	3.6	17
7	Effect of soil-pile raft-structure interaction on elastic and inelastic seismic behaviour. Structures, 2020, 26, 378-395.	3.6	17
8	Engineering Reconnaissance Following the Magnitude 5.7 Tripura Earthquake on January 3, 2017. Journal of Performance of Constructed Facilities, 2020, 34, .	2.0	16
9	Shake table study on seismic soil-pile foundation-structure interaction in soft clay. Structures, 2021, 29, 1229-1241.	3.6	15
10	Inelastic seismic behavior of soil-pile raft-structure system under bi-directional ground motion. Soil Dynamics and Earthquake Engineering, 2014, 67, 133-157.	3.8	14
11	Development of Lateral Capacity-Based Envelopes of Piled Raft Foundation under Combined V-M-H Loading. International Journal of Geomechanics, 2021, 21, .	2.7	13
12	Influence of Inherent Soil Variability on Seismic Response of Structure Supported on Pile Foundation. Arabian Journal for Science and Engineering, 2019, 44, 5009-5025.	3.0	10
13	Influence of soil flexibility and plan asymmetry on seismic behaviour of soil-piled raft-structure system. Structures, 2021, 33, 1775-1788.	3.6	10
14	Effect of raft and pile stiffness on seismic response of soil-piled raft-structure system. Structural Engineering and Mechanics, 2015, 55, 161-189.	1.0	9
15	Estimation of local site effects and seismic vulnerability using geotechnical dataset at flyover site Agartala India. Acta Geophysica, 2022, 70, 1003-1036.	2.0	8
16	Seismic site response analysis of Indo-Bangla railway site at Agartala incorporating site-specific dynamic soil properties. Bulletin of Engineering Geology and the Environment, 2022, 81, .	3.5	7
17	Experimental and numerical investigation of mechanical strength characteristics of natural fiber retrofitted rammed earth walls. Geotextiles and Geomembranes, 2022, 50, 970-993.	4.6	7
18	Experimental investigation on assessment of lateral strength of earthen wall blocks in adobe houses. Asian Journal of Civil Engineering, 2021, 22, 727-749.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Influence of combined loading on static response of optimum CPRF with non-uniform pile length configurations. Innovative Infrastructure Solutions, 2022, 7, 1.	2.2	3
20	Scaled Modeled Tests and Finite Element Numerical Study on Lateral Responses of PRF System under V-H-M Loading. Geomechanics and Geoengineering, 2023, 18, 321-345.	1.8	2
21	Probabilistic Seismic Design of Soil-Pile Raft-Superstructure System. , 2015, , .		1
22	Appraisal of the In Situ Variability and Modeling Uncertainty of Dynamic Soil-Piled Raft-Structure Interaction on Seismic Response: A Probabilistic Approach. , 2016, , .		0
23	[TH-05] An Experimental Study on Seismic Soil-Pile Foundation-Structure Interaction in Soft Clay. Lecture Notes in Civil Engineering, 2019, , 149-157.	0.4	0
24	Vulnerability Assessment of Pile Foundation in Soft Clay Incorporating SPSI. Lecture Notes in Civil Engineering, 2021, , 333-342.	0.4	0
25	Development of Fragility Curves for Pile Foundation in Liquefied Ground Using Nonlinear 3D Finite Element Analysis. Lecture Notes in Civil Engineering, 2021, , 427-436.	0.4	0
26	Assessment of Local Seismic Hazard of Agartala Based on Nonlinear Site Response Analysis. Lecture Notes in Civil Engineering, 2022, , 293-304.	0.4	0
27	Dynamic Characterization of Sand of Indo-Bangla Border for Seismic Design. Lecture Notes in Civil Engineering, 2021, , 83-94.	0.4	0
28	Reliability-Based Sustainable Design of Piled Raft-Supported Structure. Developments in Geotechnical Engineering, 2017, , 159-166.	0.6	0