Nihar Ranjan Patra

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6626324/publications.pdf

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25	309	933447	940533
papers	citations	10 h-index	16 g-index

25	25	25	157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cyclic Behavior and Liquefaction Potential of Indian Pond Ash Located in Seismic Zones III and IV. Journal of Materials in Civil Engineering, 2014, 26, .	2.9	33
2	Static and cyclic properties of clay subgrade stabilised with rice husk ash and Portland slag cement. International Journal of Pavement Engineering, 2014, 15, 906-916.	4.4	28
3	Spatial Distribution of Shear Wave Velocity for Late Quaternary Alluvial Soil of Kanpur City, Northern India. Geotechnical and Geological Engineering, 2014, 32, 131-149.	1.7	25
4	Axial behavior of tapered piles using cavity expansion theory. Acta Geotechnica, 2020, 15, 1619-1636.	5.7	25
5	Model Pile Groups Under Oblique Pullout Loads â€“ an Investigation. Geotechnical and Geological Engineering, 2006, 24, 265-282.	1.7	23
6	Geotechnical characterization of Panki and Panipat pond ash in India. International Journal of Geo-Engineering, 2015, 6, 1.	2.1	22
7	Cyclic Behavior and Liquefaction Potential of Renusagar Pond Ash Reinforced with Geotextiles. Journal of Materials in Civil Engineering, 2016, 28, .	2.9	20
8	Prediction of load displacement response of single piles under uplift load. Geotechnical and Geological Engineering, 2007, 25, 57-64.	1.7	17
9	Performance of Counterfort Walls with Reinforced Granular and Fly Ash Backfills: Experimental Investigation. Geotechnical and Geological Engineering, 2008, 26, 259-267.	1.7	17
10	Effect of Arching on Uplift Capacity of Single Piles. Geotechnical and Geological Engineering, 2009, 27, 365-377.	1.7	15
11	Seismic Response Analysis of Renusagar Pond Ash Embankment in Northern India. International Journal of Geomechanics, 2017, 17, .	2.7	12
12	Generation of Liquefaction Potential Map for Kanpur City and Allahabad City of Northern India: An Attempt for Liquefaction Hazard Assessment. Geotechnical and Geological Engineering, 2018, 36, 293-305.	1.7	12
13	Dynamic Behavior of a Geotextile-Reinforced Pond Ash Embankment. Journal of Earthquake Engineering, 2020, 24, 1803-1828.	2.5	12
14	Break out resistance of inclined anchors in sand. Geotechnical and Geological Engineering, 2006, 24, 1511-1525.	1.7	8
15	Earthquake Response Analysis of Soils from Rudrapur and Khatima Sites Adjacent to Himalayan Frontal Thrust (HFT) using Field and Laboratory-Derived Dynamic Soil Properties. Journal of Earthquake Engineering, 2022, 26, 949-979.	2.5	7
16	Settlement behavior of circular footing on geocell- and geogrid-reinforced pond ash bed under combine static and cyclic loading. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	6
17	Static and dynamic characterization and response analysis of soils from northern India. SN Applied Sciences, 2021, 3, 1.	2.9	6
18	Analysis of creep settlement of pile groups in linear viscoelastic soil. International Journal for Numerical and Analytical Methods in Geomechanics, 2019, 43, 2288-2304.	3.3	5

#	Article	IF	Citations
19	Experimental and Numerical Investigation on Undrained Behavior of Geogrid Reinforced Pond Ash. Indian Geotechnical Journal, 2021, 51, 1182-1194.	1.4	4
20	Behaviour of tapered piles subjected to lateral harmonic loading. Innovative Infrastructure Solutions, 2019, 4, 1.	2.2	3
21	Cyclic behavior of late quaternary alluvial soil along Indo-Gangetic Plain: Northern India. International Journal of Geo-Engineering, 2022, 13, 1.	2.1	3
22	Long-term effect of vertical and lateral loads on piled raft foundations: a case study. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 0, , 1-13.	1.6	3
23	Undrained Cylindrical Cavity Expansion in Critical State Soils Considering Soil Structure. Indian Geotechnical Journal, 2015, 45, 169-180.	1.4	2
24	Lateral Dynamic Response of Tapered Pile Embedded in a Cross-Anisotropic Medium. Journal of Earthquake Engineering, 2022, 26, 5826-5847.	2.5	1
25	A Phenomenological Breakage Model for Crushable Sand. , 2022, , .		0