Thanh Trung Nguyen

List of Publications by Year
in descending order

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28	402	687335 13	794568 19
papers	citations	h-index	g-index

28	28	28	156
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Laboratory study on subgrade fluidization under undrained cyclic triaxial loading. Canadian Geotechnical Journal, 2020, 57, 1767-1779.	2.8	49
2	A Coupled CFDâ€“DEM Approach to Examine the Hydraulic Critical State of Soil under Increasing Hydraulic Gradient. International Journal of Geomechanics, 2020, 20, .	2.7	45
3	Influence of Kaolin content on the cyclic loading response of railway subgrade. Transportation Geotechnics, 2020, 22, 100319.	4.5	37
4	The energy transformation of internal erosion based on fluid-particle coupling. Computers and Geotechnics, 2020, 121, 103475.	4.7	26
5	Rail track degradation under mud pumping evaluated through site and laboratory investigations. International Journal of Rail Transportation, 2022, 10, 44-71.	2.7	24
6	Influence of biodegradable natural fibre drains on the radial consolidation of soft soil. Computers and Geotechnics, 2016, 78, 171-180.	4.7	22
7	Experimental and numerical investigations into hydraulic behaviour of coir fibre drain. Canadian Geotechnical Journal, 2017, 54, 75-87.	2.8	22
8	Micro-CT Scanning to Examine Soil Clogging Behavior of Natural Fiber Drains. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	20
9	The role of particle shape on hydraulic conductivity of granular soils captured through Kozenyâ€“Carman approach. Geotechnique Letters, 2020, 10, 398-403.	1.2	19
10	Dynamic parameters of subgrade soils prone to mud pumping considering the influence of kaolin content and the cyclic stress ratio. Transportation Geotechnics, 2021, 29, 100581.	4.5	18
11	Laboratory Investigation into Biodegradation of Jute Drains with Implications for Field Behavior. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	3.0	17
12	Hydraulic behaviour of parallel fibres under longitudinal flow: a numerical treatment. Canadian Geotechnical Journal, 2016, 53, 1081-1092.	2.8	15
13	The mechanism and effects of subgrade fluidisation under ballasted railway tracks. Railway Engineering Science, 2020, 28, 113-128.	4.4	14
14	Simulating Subgrade Soil Fluidization Using LBM-DEM Coupling. International Journal of Geomechanics, 2021, 21, .	2.7	13
15	The permeability of natural fibre drains, capturing their micro-features. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2017, 170, 123-136.	1.0	11
16	Experimental insights into the stiffness degradation of subgrade soils prone to mud pumping. Transportation Geotechnics, 2021, 27, 100490.	4.5	11
17	Performance of Composite PVDâ€“SC Column Foundation under Embankment through Plane-Strain Numerical Analysis. International Journal of Geomechanics, 2022, 22, .	2.7	7
18	A numerical approach to modelling biodegradable vertical drains. Environmental Geotechnics, 2018, , 1-9.	2.3	6

#	Article	IF	Citations
19	Shear behaviour of subgrade soil with reference to varying initial shear stress and plasticity index. Acta Geotechnica, 2022, 17, 4207-4216.	5.7	5
20	Analysis of undrained cyclic response of saturated soils. Computers and Geotechnics, 2021, 134, 104095.	4.7	4
21	Cyclic loading response and associated yield criteria for soft railway subgrade â€“ Theoretical and experimental perspectives. Computers and Geotechnics, 2021, 138, 104366.	4.7	4
22	Fluidization of soil under increasing seepage flow: an energy perspective through CFD-DEM coupling. Granular Matter, 2022, 24, .	2.2	4
23	A vertical and radial consolidation analysis incorporating drain degradation based on the spectral method. Computers and Geotechnics, 2021, 129, 103862.	4.7	3
24	Internal Instability and Fluidisation of Subgrade Soil under Cyclic Loading. Indian Geotechnical Journal, 2022, 52, 1226-1243.	1.4	3
25	A large-strain radial consolidation model incorporating soil destructuration and isotache concept. Computers and Geotechnics, 2022, 147, 104761.	4.7	2
26	Soft Ground Improvementâ€”Theoretical, Experimental, Numerical and Field Studies. Developments in Geotechnical Engineering, 2019, , 183-216.	0.6	1
27	Fluidization of Subgrade Soil Under Rail Tracks Through CFD-DEM Coupling. Lecture Notes in Civil Engineering, 2021, , 274-281.	0.4	0
28	Effects of Plastic Properties on the Fluidization Behaviour of Subgrade Soil under Heavy Haul Rail Load. , 2022, , .		0