

# C T Gnanendran

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

810  
citations

623188

14  
h-index

580395

25  
g-index

31  
all docs

31  
docs citations

31  
times ranked

431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic-Viscoplastic Model for Clays: Development, Validation, and Application. Journal of Engineering Mechanics - ASCE, 2017, 143, .	1.6	20
2	Fatigue Characterization of Lightly Cementitiously Stabilized Granular Base Materials Using Flexural Testing. Journal of Materials in Civil Engineering, 2016, 28, .	1.3	22
3	Permanent Deformation Study of Pavement Layers Using Laboratory Pavement Model Testing. International Journal of Geomechanics, 2016, 16, .	1.3	11
4	Damage Study of a Lightly Stabilised Granular Material Using Flexural Testing. Indian Geotechnical Journal, 2015, 45, 441-448.	0.7	12
5	Behavior of a Foundation on a Sloped Fill Reinforced with Vertical Bars under Repeated Loading. , 2014, , .		0
6	Review of constitutive models for describing the time dependent behaviour of soft clays. Geomechanics and Geoengineering, 2014, 9, 36-51.	0.9	17
7	Long-Term Time-Dependent Behavior of Surcharged Preloaded Embankment. , 2014, , .		1
8	The effect of drained pre-shearing on the undrained behaviour of loose sand with a small amount of fines. Acta Geotechnica, 2013, 8, 311-322.	2.9	21
9	Back-Calculation of Resilient Modulus of Lightly Stabilized Granular Base Materials from Cyclic Load Testing Facility. Journal of Materials in Civil Engineering, 2013, 25, 1068-1076.	1.3	12
10	Stress-€ strain behaviour and stiffness of lightly stabilised granular materials from UCS testing and their predictability. International Journal of Pavement Engineering, 2013, 14, 291-308.	2.2	10
11	Slope Stability under Cyclic Foundation Loading - Effect of Loading Frequency. , 2013, , .		4
12	Consolidation and Creep Settlement of Embankment on Soft Clay: Prediction Versus Observation. Geotechnical, Geological and Earthquake Engineering, 2013, , 77-94.	0.1	3
13	Behaviour of Two Closely Spaced Strip Footings Placed on a Stiff Clay Bed under Cyclic Loading. Geotechnical Testing Journal, 2013, 36, 20120126.	0.5	5
14	Prediction of Nonlinear Stress-Strain Relationship of Lightly Stabilized Granular Materials from Unconfined Compression Testing. Journal of Materials in Civil Engineering, 2012, 24, 1118-1124.	1.3	4
15	Behaviour of a Strip Footing Near Slope Crest Under Vertical Cyclic Loading. , 2012, , .		3
16	Influence of Sidewall Friction on the Results of Small-Scale Laboratory Model Tests: Numerical Assessment. International Journal of Geomechanics, 2012, 12, 119-126.	1.3	10
17	Effect of Geosynthetic Reinforcement Creep on the Long Term Performance of an Embankment. , 2012, , .		4
18	Development of a low-cost geotechnical model testing facility. International Journal of Physical Modelling in Geotechnics, 2012, 12, 63-76.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Determination of $c$ and $\dot{\gamma}$ from IDT and Unconfined Compression Testing and Numerical Analysis. Journal of Materials in Civil Engineering, 2012, 24, 1153-1164.	1.3	23
20	Characterisation of Lightly Stabilised Granular Base Materials by Flexural Beam Testing and Effects of Loading Rate. Geotechnical Testing Journal, 2012, 35, 691-702.	0.5	7
21	Predicting the long-term performance of a wide embankment on soft soil using an elastic-viscoplastic model. Canadian Geotechnical Journal, 2010, 47, 244-257.	1.4	49
22	Characterization of Cementitiously Stabilized Granular Materials for Pavement Design Using Unconfined Compression and IDT Testings with Internal Displacement Measurements. Journal of Materials in Civil Engineering, 2010, 22, 495-505.	1.3	31
23	Modified state parameter for characterizing static liquefaction of sand with fines. Canadian Geotechnical Journal, 2009, 46, 281-295.	1.4	104
24	Reply to the discussion by Wanatowski and Chu on "On equivalent granular void ratio and steady state behaviour of loose sand with fines" (4): 482.. Canadian Geotechnical Journal, 2009, 46, 483-486.	1.4	49
25	On equivalent granular void ratio and steady state behaviour of loose sand with fines. Canadian Geotechnical Journal, 2008, 45, 1439-1456.	1.4	206
26	Long-term performance of a wide embankment on soft clay improved with prefabricated vertical drains. Canadian Geotechnical Journal, 2008, 45, 1073-1091.	1.4	36
27	Influence of using a creep, rate, or an elastoplastic model for predicting the behaviour of embankments on soft soils. Canadian Geotechnical Journal, 2006, 43, 134-154.	1.4	25
28	Performance of a test embankment constructed on an organic clayey silt deposit. Canadian Geotechnical Journal, 2001, 38, 1283-1296.	1.4	6
29	Calculated and observed behaviour of a reinforced embankment over soft compressible soil. Canadian Geotechnical Journal, 1996, 33, 324-338.	1.4	40
30	An experimental study of a footing located on a sloped fill: influence of a soil reinforcement layer. Canadian Geotechnical Journal, 1989, 26, 467-473.	1.4	74