

Radu Popescu

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

957
citations

687363

13
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

628
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of random heterogeneity of soil properties on bearing capacity. Probabilistic Engineering Mechanics, 2005, 20, 324-341.	2.7	207
2	Effects of spatial variability on soil liquefaction: some design recommendations. Geotechnique, 1997, 47, 1019-1036.	4.0	127
3	Simulation of homogeneous nonGaussian stochastic vector fields. Probabilistic Engineering Mechanics, 1998, 13, 1-13.	2.7	105
4	Centrifuge validation of a numerical model for dynamic soil liquefaction. Soil Dynamics and Earthquake Engineering, 1993, 12, 73-90.	3.8	95
5	Dynamics of nonlinear porous media with applications to soil liquefaction. Soil Dynamics and Earthquake Engineering, 2006, 26, 648-665.	3.8	81
6	Investigating pipeline-soil interaction under axial-lateral relative movements in sand. Canadian Geotechnical Journal, 2011, 48, 1683-1695.	2.8	62
7	Comparison between VELACS numerical class A™ predictions and centrifuge experimental soil test results. Soil Dynamics and Earthquake Engineering, 1995, 14, 79-92.	3.8	42
8	EFFECTS OF SPATIAL VARIABILITY OF SOIL PROPERTIES ON SURFACE GROUND MOTION. Journal of Earthquake Engineering, 2003, 7, 1-44.	2.5	39
9	3D effects in seismic liquefaction of stochastically variable soil deposits. Geotechnique, 2005, 55, 21-31.	4.0	23
10	Numerical simulation of centrifuge tests on homogeneous and heterogeneous soil models. Computers and Geotechnics, 2012, 41, 95-105.	4.7	20
11	Finite element assessment of the effects of seismic loading rate on soil liquefaction. Canadian Geotechnical Journal, 2002, 39, 331-344.	2.8	18
12	Three-dimensional seismic analysis of submarine slopes. Soil Dynamics and Earthquake Engineering, 2006, 26, 870-887.	3.8	18
13	Offshore anchor piles under mooring forces: numerical modeling. Canadian Geotechnical Journal, 2013, 50, 189-199.	2.8	17
14	Building Research Skills: Course-Integrated Training Methods. Journal of Professional Issues in Engineering Education and Practice, 2003, 129, 40-43.	0.9	14
15	Reliability assessment of centrifuge soil test results. Soil Dynamics and Earthquake Engineering, 1995, 14, 93-101.	3.8	13
16	Numerical Investigation of Oblique Pipeline/Soil Interaction in Sand. , 2010, , .		11
17	Offshore anchor piles under mooring forces: centrifuge modeling. Canadian Geotechnical Journal, 2013, 50, 373-381.	2.8	11
18	Effects of boundary conditions and partial drainage on cyclic simple shear test results—a numerical study. International Journal for Numerical and Analytical Methods in Geomechanics, 2004, 28, 1057-1082.	3.3	10

#	ARTICLE	IF	CITATIONS
19	Finite element simulation of seismically induced retrogressive failure of submarine slopes. Canadian Geotechnical Journal, 2005, 42, 1532-1547.	2.8	8
20	Influence of Geotechnical Loads on Local Buckling Behavior of Buried Pipelines. , 2008, , .		8
21	Analysis of liquefaction susceptibility of nearly saturated sands. International Journal for Numerical and Analytical Methods in Geomechanics, 2007, 31, 691-714.	3.3	6
22	Significance of geotechnical loads on local buckling response of buried pipelines with respect to conventional practice. Canadian Geotechnical Journal, 2013, 50, 68-80.	2.8	5
23	Assessment of lumped particles effect on dynamic behaviour of fine and medium grained sands. Bulletin of Earthquake Engineering, 2021, 19, 745-766.	4.1	5
24	Discussion of "Bearing capacity prediction of spatially random c- ϕ soils". Canadian Geotechnical Journal, 2004, 41, 366-367.	2.8	4
25	Liquefaction Hazard Mapping Using Various Types of Field Test Data. Indian Geotechnical Journal, 2022, 52, 280-300.	1.4	3
26	Excess pore pressures induced by installation of suction caissons in NC clays. Underwater Technology, 2004, 26, 13-18.	0.3	2
27	Liquefaction Study of Heterogeneous Sand: Centrifuge. Geotechnical Testing Journal, 2011, 34, 102925.	1.0	2
28	Effect of Soil Restraint on the Buckling Response of Buried Pipelines. , 2010, , .		1
29	Effect of Undergraduate Research Output on Faculty Scholarly Research Impact. Evidence Based Library and Information Practice, 2017, 12, 199.	0.2	0