

John P Carter

List of Publications by Year in descending order

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39
papers

1,128
citations

361413

20
h-index

395702

33
g-index

42
all docs

42
docs citations

42
times ranked

716
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupled analysis of full flow penetration problems in soft sensitive clays. Computers and Geotechnics, 2021, 133, 104054.	4.7	13
2	Finite element implementation of an isotach elastoplastic constitutive model for soft soils. Computers and Geotechnics, 2021, 136, 104248.	4.7	1
3	Experimental study of an innovative driven and grouted soil nail (x-Nail). Canadian Geotechnical Journal, 2021, 58, 1205-1215.	2.8	2
4	Dynamic Compaction of Clays: Numerical Study Based on the Mechanics of Unsaturated Soils. International Journal of Geomechanics, 2020, 20, .	2.7	21
5	Pore Pressure Response to Dynamically Installed Penetrometers. International Journal of Geomechanics, 2018, 18, 04018061.	2.7	12
6	A stress integration scheme for elasto-plastic response of unsaturated soils subjected to large deformations. Computers and Geotechnics, 2018, 94, 231-246.	4.7	13
7	1-D finite strain consolidation analysis based on isotach plasticity: Class A and Class C predictions of the Ballina embankment. Computers and Geotechnics, 2018, 93, 42-60.	4.7	10
8	Holocene Deposits in Saga Plain: Leaching Mechanism and Soil Sensitivity. Geotechnical and Geological Engineering, 2017, 35, 2107-2122.	1.7	2
9	Application of fractional calculus in modelling ballast deformation under cyclic loading. Computers and Geotechnics, 2017, 82, 16-30.	4.7	32
10	Isotach Elastoplasticity: A Case Study on Osaka Bay Clay. Indian Geotechnical Journal, 2017, 47, 161-172.	1.4	2
11	Frictionless contact formulation for dynamic analysis of nonlinear saturated porous media based on the mortar method. International Journal for Numerical and Analytical Methods in Geomechanics, 2016, 40, 25-61.	3.3	32
12	An isotach elastoplastic constitutive model for natural soft clays. Computers and Geotechnics, 2016, 77, 134-155.	4.7	31
13	Pore pressures induced by piezocone penetration. Canadian Geotechnical Journal, 2016, 53, 540-550.	2.8	10
14	Isotropic kinematic hardening model for coarse granular soils capturing particle breakage and cyclic loading under triaxial stress space. Canadian Geotechnical Journal, 2016, 53, 646-658.	2.8	45
15	Modelling the plastic anisotropy of Lower Cromer Till. Computers and Geotechnics, 2015, 69, 22-37.	4.7	29
16	Comparison of model predictions of the anisotropic plasticity of Lower Cromer Till. Computers and Geotechnics, 2015, 69, 365-377.	4.7	9
17	Constitutive modelling of Otaniemi soft clay in both natural and reconstituted states. Computers and Geotechnics, 2015, 70, 83-95.	4.7	13
18	Description of compression behaviour of structured soils and its application. Canadian Geotechnical Journal, 2014, 51, 921-933.	2.8	28

#	ARTICLE	IF	CITATIONS
19	Analysis of circular tunnels due to seismic P-wave propagation, with emphasis on unreinforced concrete liners. Computers and Geotechnics, 2014, 55, 187-194.	4.7	32
20	Stochastic Evaluation of Hydraulic Hysteresis in Unsaturated Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1211-1214.	3.0	6
21	Effect of interface friction on tunnel liner internal forces due to seismic S- and P-wave propagation. Soil Dynamics and Earthquake Engineering, 2013, 46, 41-51.	3.8	60
22	Stochastic Analysis of Hydraulic Hysteresis in Multi-Layer Unsaturated Soil Covers Under Random Flux Boundary Conditions. , 2013, , .		0
23	Effect of hydraulic hysteresis on seepage analysis for unsaturated soils. Computers and Geotechnics, 2012, 41, 36-56.	4.7	45
24	Coefficient of consolidation from non-standard piezocone dissipation curves. Computers and Geotechnics, 2012, 41, 13-22.	4.7	55
25	Sydney Soil Model. II: Experimental Validation. International Journal of Geomechanics, 2011, 11, 225-238.	2.7	15
26	Sydney Soil Model. I: Theoretical Formulation. International Journal of Geomechanics, 2011, 11, 211-224.	2.7	26
27	Soil-Cement Columns. Geotechnical, Geological and Earthquake Engineering, 2011, , 173-234.	0.2	1
28	Improved Prediction of Lateral Deformations due to Installation of Soil-Cement Columns. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 1836-1845.	3.0	36
29	Some computational aspects for solving deep penetration problems in geomechanics. Computational Mechanics, 2009, 44, 549-561.	4.0	54
30	Alternative stress-integration schemes for large-deformation problems of solid mechanics. Finite Elements in Analysis and Design, 2009, 45, 934-943.	3.2	28
31	Arbitrary Lagrangian-Eulerian method for large-strain consolidation problems. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 1023-1050.	3.3	88
32	A volume-stress model for sands under isotropic and critical stress states. Canadian Geotechnical Journal, 2008, 45, 1639-1645.	2.8	39
33	Application of Structured Soil Models to Shallow Footing Problems. , 2006, , 21.		1
34	On convexity, normality, pre-consolidation pressure, and singularities in modelling of granular materials. Granular Matter, 2006, 9, 87-96.	2.2	2
35	Stress integration and mesh refinement for large deformation in geomechanics. International Journal for Numerical Methods in Engineering, 2006, 65, 1002-1027.	2.8	115
36	Multiple-Porosity Contaminant Transport by Finite-Element Method. International Journal of Geomechanics, 2005, 5, 24-34.	2.7	18

#	ARTICLE	IF	CITATIONS
37	Review of the Structured Cam Clay Model. , 2005, , 99.		12
38	Modeling Compression Behavior of Structured Geomaterials. International Journal of Geomechanics, 2003, 3, 191-204.	2.7	44
39	A finite element study of the pressuremeter test in sand using a nonlinear elastic plastic model. Canadian Geotechnical Journal, 1993, 30, 348-362.	2.8	146