# John P Carter

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11161205/publications.pdf

Version: 2024-02-01

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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 | 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 |
| 2 | Stress integration and mesh refinement for large deformation in geomechanics. International Journal for Numerical Methods in Engineering, 2006, 65, 1002-1027. | 2.8 | 115 |
| 3 | Arbitrary Lagrangianâ€“Eulerian method for largeâ€strain consolidation problems. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 1023-1050. | 3.3 | 88 |
| 4 | 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 |
| 5 | Coefficient of consolidation from non-standard piezocone dissipation curves. Computers and Geotechnics, 2012, 41, 13-22. | 4.7 | 55 |
| 6 | Some computational aspects for solving deep penetration problems in geomechanics. Computational Mechanics, 2009, 44, 549-561. | 4.0 | 54 |
| 7 | Effect of hydraulic hysteresis on seepage analysis for unsaturated soils. Computers and Geotechnics, 2012, 41, 36-56. | 4.7 | 45 |
| 8 | Isotropicâ€“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 |
| 9 | Modeling Compression Behavior of Structured Geomaterials. International Journal of Geomechanics, 2003, 3, 191-204. | 2.7 | 44 |
| 10 | A volumeâ€“stress model for sands under isotropic and critical stress states. Canadian Geotechnical Journal, 2008, 45, 1639-1645. | 2.8 | 39 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Application of fractional calculus in modelling ballast deformation under cyclic loading. Computers and Geotechnics, 2017, 82, 16-30. | 4.7 | 32 |
| 15 | An isotach elastoplastic constitutive model for natural soft clays. Computers and Geotechnics, 2016, 77, 134-155. | 4.7 | 31 |
| 16 | Modelling the plastic anisotropy of Lower Cromer Till. Computers and Geotechnics, 2015, 69, 22-37. | 4.7 | 29 |
| 17 | Alternative stress-integration schemes for large-deformation problems of solid mechanics. Finite Elements in Analysis and Design, 2009, 45, 934-943. | 3.2 | 28 |
| 18 | Description of compression behaviour of structured soils and its application. Canadian Geotechnical Journal, 2014, 51, 921-933. | 2.8 | 28 |

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|---|---|---|---|
| 19 | Sydney Soil Model. I: Theoretical Formulation. International Journal of Geomechanics, 2011, 11, 211-224. | 2.7 | 26 |
| 20 | Dynamic Compaction of Clays: Numerical Study Based on the Mechanics of Unsaturated Soils. International Journal of Geomechanics, 2020, 20, . | 2.7 | 21 |
| 21 | Multiple-Porosity Contaminant Transport by Finite-Element Method. International Journal of Geomechanics, 2005, 5, 24-34. | 2.7 | 18 |
| 22 | Sydney Soil Model. II: Experimental Validation. International Journal of Geomechanics, 2011, 11, 225-238. | 2.7 | 15 |
| 23 | Constitutive modelling of Otaniemi soft clay in both natural and reconstituted states. Computers and Geotechnics, 2015, 70, 83-95. | 4.7 | 13 |
| 24 | 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 |
| 25 | Coupled analysis of full flow penetration problems in soft sensitive clays. Computers and Geotechnics, 2021, 133, 104054. | 4.7 | 13 |
| 26 | Review of the Structured Cam Clay Model. , 2005, , 99. | | 12 |
| 27 | Pore Pressure Response to Dynamically Installed Penetrometers. International Journal of Geomechanics, 2018, 18, 04018061. | 2.7 | 12 |
| 28 | Pore pressures induced by piezocone penetration. Canadian Geotechnical Journal, 2016, 53, 540-550. | 2.8 | 10 |
| 29 | 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 |
| 30 | Comparison of model predictions of the anisotropic plasticity of Lower Cromer Till. Computers and Geotechnics, 2015, 69, 365-377. | 4.7 | 9 |
| 31 | Stochastic Evaluation of Hydraulic Hysteresis in Unsaturated Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1211-1214. | 3.0 | 6 |
| 32 | On convexity, normality, pre-consolidation pressure, and singularities in modelling of granular materials. Granular Matter, 2006, 9, 87-96. | 2.2 | 2 |
| 33 | Holocene Deposits in Saga Plain: Leaching Mechanism and Soil Sensitivity. Geotechnical and Geological Engineering, 2017, 35, 2107-2122. | 1.7 | 2 |
| 34 | Isotach Elastoplasticity: A Case Study on Osaka Bay Clay. Indian Geotechnical Journal, 2017, 47, 161-172. | 1.4 | 2 |
| 35 | Experimental study of an innovative driven and grouted soil nail (x-Nail). Canadian Geotechnical Journal, 2021, 58, 1205-1215. | 2.8 | 2 |
| 36 | Application of Structured Soil Models to Shallow Footing Problems. , 2006, , 21. | | 1 |

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|---|---|---|---|
| 37 | Finite element implementation of an isotach elastoplastic constitutive model for soft soils. Computers and Geotechnics, 2021, 136, 104248. | 4.7 | 1 |
| 38 | Soil-Cement Columns. Geotechnical, Geological and Earthquake Engineering, 2011, , 173-234. | 0.2 | 1 |
| 39 | Stochastic Analysis of Hydraulic Hysteresis in Multi-Layer Unsaturated Soil Covers Under Random Flux Boundary Conditions. , 2013, , . | | 0 |