

# David J White

## List of Publications by Year in descending order

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189  
papers

5,957  
citations

71102

41  
h-index

98798

67  
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195  
all docs

195  
docs citations

195  
times ranked

2212  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | An extended Prandtl solution for analytical modelling of the bearing capacity of a shallow foundation on a spatially variable undrained clay. <i>Geotechnique</i> , 2022, 72, 800-809.                   | 4.0 | 5         |
| 2  | Uplift resistance of buried pipelines: The contribution of seepage forces. <i>Ocean Engineering</i> , 2022, 250, 111037.   | 4.3 | 6         |
| 3  | Hydrodynamic forces on subsea cables immersed in wave boundary layers. <i>Coastal Engineering</i> , 2022, 174, 104101.   | 4.0 | 4         |
| 4  | Jet injection needle-free dental anaesthesia: Initial findings. <i>Journal of Dentistry</i> , 2022, 122, 104165.   | 4.1 | 3         |
| 5  | Development of a prototype autonomous inspection robot for offshore riser cables. <i>Ocean Engineering</i> , 2022, 257, 111485.  | 4.3 | 5         |
| 6  | The effect of permeability on the erosion threshold of fine-grained sediments. <i>Coastal Engineering</i> , 2021, 163, 103813.   | 4.0 | 6         |
| 7  | Evaluation of Reclaimed Hydrated Fly Ash as an Aggregate for Sustainable Roadway Base Material. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-8.  | 0.7 | 0         |
| 8  | Analysis of Axial Response of Submarine Pipeline to Debris-Flow Loading. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, 06020029.                                   | 3.0 | 1         |
| 9  | An efficient and locking-free material point method for three-dimensional analysis with simplex elements. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 3876-3899.      | 2.8 | 9         |
| 10 | Partially Mobile Shallow Subsea Foundations: A Practical Analysis Framework. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, 04021064.                               | 3.0 | 0         |
| 11 | The variability of marine sediment erodibility with depth: Centimetric scale effects detected from portable erosion flume tests. <i>Applied Ocean Research</i> , 2021, 113, 102721.                      | 4.1 | 1         |
| 12 | Effects of screw pile installation on installation requirements and in-service performance using the discrete element method. <i>Canadian Geotechnical Journal</i> , 2021, 58, 1334-1350.                | 2.8 | 15        |
| 13 | Quantifying fishing activity targeting subsea pipelines by commercial trap fishers. <i>Reviews in Fish Biology and Fisheries</i> , 2021, 31, 1009-1023.  | 4.9 | 4         |
| 14 | A review of the UK and British Channel Islands practical tidal stream energy resource. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, 20210469. | 2.1 | 24        |
| 15 | Solutions for Downslope Pipeline Walking on a Seabed With a Peak Trilinear Soil Resistance Model. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2021, 143, .                             | 1.2 | 0         |
| 16 | Autonomous Identification of Suitable Geotechnical Measurement Locations using Underwater Vehicles. , 2021, , .  |     | 0         |
| 17 | An effective stress analysis for predicting the evolution of SCR seabed stiffness accounting for consolidation. <i>Geotechnique</i> , 2020, 70, 448-467.   | 4.0 | 20        |
| 18 | Penetrometer testing in a calcareous silt to explore changes in soil strength. <i>Geotechnique</i> , 2020, 70, 1160-1173.  | 4.0 | 20        |

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|----|--|-----|-----------|
| 19 | Improvements in plate anchor capacity due to cyclic and maintained loads combined with consolidation. <i>Geotechnique</i> , 2020, 70, 732-749.   | 4.0 | 27        |
| 20 | Parametric solution of lateral buckling of submarine pipelines. <i>Applied Ocean Research</i> , 2020, 98, 102077.  | 4.1 | 9         |
| 21 | Lateral resistance of rigid pipelines and cables on rocky seabeds. <i>Canadian Geotechnical Journal</i> , 2019, 56, 823-839.   | 2.8 | 5         |
| 22 | Reliability of mooring lines and piles for a permanently manned vessel in a tropical cyclone environment. <i>Applied Ocean Research</i> , 2019, 82, 430-446.   | 4.1 | 5         |
| 23 | Effects of variability in lateral pipe-soil interaction and pipe initial out-of-straightness on controlled lateral buckling of pre-deformed pipeline. <i>Ocean Engineering</i> , 2019, 182, 283-304. | 4.3 | 17        |
| 24 | Mooring system reliability in tropical cyclone and North Sea winter storm environments. <i>Applied Ocean Research</i> , 2019, 88, 306-316.   | 4.1 | 5         |
| 25 | Modelling the degradation of penetration resistance during cyclic T-bar tests in a Gulf of Mexico clay. <i>Soils and Foundations</i> , 2019, 59, 2331-2340.  | 3.1 | 2         |
| 26 | Numerical modelling of seepage and tension beneath plate anchors. <i>Computers and Geotechnics</i> , 2019, 108, 131-142.   | 4.7 | 17        |
| 27 | Simple solutions for downslope pipeline walking on elastic-perfectly-plastic soils. <i>Ocean Engineering</i> , 2019, 172, 671-683.   | 4.3 | 12        |
| 28 | Load capacity of caisson anchors exposed to seabed trenching. <i>Ocean Engineering</i> , 2019, 171, 181-192.   | 4.3 | 22        |
| 29 | Subsea pipeline walking with velocity dependent seabed friction. <i>Applied Ocean Research</i> , 2019, 82, 296-308.  | 4.1 | 15        |
| 30 | Mechanistic-based comparisons of stabilised base and granular surface layers of low-volume roads. <i>International Journal of Pavement Engineering</i> , 2019, 20, 112-124.                          | 4.4 | 21        |
| 31 | Assessment of Support Conditions of Concrete Pavement Using FWD Deflection Basin Data. <i>Journal of Testing and Evaluation</i> , 2019, 47, 2451-2463.   | 0.7 | 2         |
| 32 | Controlling lateral buckling of subsea pipeline with sinusoidal shape pre-deformation. <i>Ocean Engineering</i> , 2018, 151, 170-190.  | 4.3 | 38        |
| 33 | Investigating Frost Heave Deterioration at Pavement Joint Locations. <i>Journal of Performance of Constructed Facilities</i> , 2018, 32, .   | 2.0 | 4         |
| 34 | Improved Stability Design of Subsea Pipelines on Mobile Seabeds: Learnings From the STABLEpipe JIP. , 2018, , .  |     | 2         |
| 35 | Observed changes to the stability of a subsea pipeline caused by seabed mobility. <i>Ocean Engineering</i> , 2018, 169, 159-176.   | 4.3 | 3         |
| 36 | Pipeline and Cable Stability: Updated State of the Art. , 2018, , .  |     | 1         |

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|----|--|-----|-----------|
| 37 | Subsea Cable Stability on Rocky Seabeds: Comparison of Field Observations Against Conventional and Novel Design Methods. , 2018, , .   |     | 1         |
| 38 | Spatial Verification of Modulus for Pavement Foundation System. Transportation Research Record, 2018, 2672, 333-346.   | 1.9 | 8         |
| 39 | Development of customised 3D printed biodegradable projectile for administrating extended-release contraceptive to wildlife. International Journal of Pharmaceutics, 2018, 548, 349-356.               | 5.2 | 28        |
| 40 | The influence of permeability on the erosion rate of fine-grained marine sediments. Coastal Engineering, 2018, 140, 124-135.   | 4.0 | 11        |
| 41 | Sediment transport and trench development beneath a cylinder oscillating normal to a sandy seabed. Coastal Engineering, 2018, 140, 395-410.  | 4.0 | 10        |
| 42 | Spatial pavement roughness from stationary laser scanning. International Journal of Pavement Engineering, 2017, 18, 83-96.   | 4.4 | 23        |
| 43 | Foundation punch-through in clay with sand: analytical modelling. Geotechnique, 2017, 67, 672-690.   | 4.0 | 11        |
| 44 | Engineering and legal considerations for decommissioning of offshore oil and gas infrastructure in Australia. Ocean Engineering, 2017, 131, 338-347.   | 4.3 | 58        |
| 45 | Elastoplastic consolidation solutions for scaling from shallow penetrometers to pipelines. Canadian Geotechnical Journal, 2017, 54, 881-895.   | 2.8 | 6         |
| 46 | Theoretical framework for predicting the response of tolerably mobile subsea installations. Geotechnique, 2017, 67, 608-620.   | 4.0 | 17        |
| 47 | Anchor loads in taut moorings: The impact of inverse catenary shakedown. Applied Ocean Research, 2017, 67, 225-235.  | 4.1 | 12        |
| 48 | Estimating Mechanistic Parameters for Subgrade Using Gyratory Compaction with Pressure Distribution Analyzer. Journal of Materials in Civil Engineering, 2017, 29, 04017216.                           | 2.9 | 1         |
| 49 | Experiments Using a Novel Penetrometer to Assess Changing Strength of Clay during Remolding and Reconsolidation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, 06016030. | 3.0 | 5         |
| 50 | The evolution of seabed stiffness during cyclic movement in a riser touchdown zone on soft clay. Geotechnique, 2017, 67, 127-137.  | 4.0 | 27        |
| 51 | Lateral boundary effects in centrifuge foundation tests. International Journal of Physical Modelling in Geotechnics, 2017, 17, 144-160.  | 0.6 | 30        |
| 52 | Predicting the Changing Soil Response for Vertical Pipe-Seabed Interaction Accounting for Remoulding, Reconsolidation and Maintained Load. , 2017, , .   |     | 0         |
| 53 | Sedimentation-induced burial of subsea pipelines: Observations from field data and laboratory experiments. Coastal Engineering, 2016, 114, 137-158.  | 4.0 | 42        |
| 54 | Unlocking the Benefits of Long-Term Pipeline-Embedment Processes: Image Analysis-Based Processing of Historic Survey Data. Journal of Pipeline Systems Engineering and Practice, 2016, 7, 04016008.    | 1.6 | 2         |

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|----|--|-----|-----------|
| 55 | Effect of wave boundary layer on hydrodynamic forces on small diameter pipelines. Ocean Engineering, 2016, 125, 26-30.   | 4.3 | 8         |
| 56 | Wavelet Filter Design for Pavement Roughness Analysis. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 907-920.   | 9.8 | 21        |
| 57 | Estimation of soil strength in fine-grained soils by instrumented free-fall sphere tests. Geotechnique, 2016, 66, 959-968.   | 4.0 | 20        |
| 58 | Physical modelling of pipe embedment and equalisation in clay. Geotechnique, 2016, 66, 602-609.  | 4.0 | 9         |
| 59 | Risk-Based Assessment of Scour Around Subsea Infrastructure. , 2016, , .   |     | 2         |
| 60 | Modelling spatial variability in as-laid embedment for high pressure and high temperature (HPHT) pipeline design. Canadian Geotechnical Journal, 2016, 53, 1853-1865.              | 2.8 | 7         |
| 61 | Centrifuge modelling of an instrumented free-fall sphere for measurement of undrained strength in fine-grained soils. Canadian Geotechnical Journal, 2016, 53, 918-929.            | 2.8 | 25        |
| 62 | Evaluation of Elastic Stiffness Parameters for Pipeline-Soil Interaction. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, 04016009.                    | 3.0 | 19        |
| 63 | Predicting the rate of scour beneath subsea pipelines in marine sediments under steady flow conditions. Coastal Engineering, 2016, 110, 111-126.                                   | 4.0 | 39        |
| 64 | Continuous wavelet analysis of pavement profiles. Automation in Construction, 2016, 63, 134-143.   | 9.8 | 21        |
| 65 | Pavement thickness and stabilised foundation layer assessment using ground-coupled GPR. Nondestructive Testing and Evaluation, 2016, 31, 267-287.                                  | 2.1 | 22        |
| 66 | Vermiculate artefacts in image analysis of granular materials. Computers and Geotechnics, 2016, 72, 100-113.   | 4.7 | 48        |
| 67 | Improved image-based deformation measurement for geotechnical applications. Canadian Geotechnical Journal, 2016, 53, 727-739.  | 2.8 | 283       |
| 68 | Laboratory development of a vertically oriented penetrometer for shallow seabed characterization. Canadian Geotechnical Journal, 2016, 53, 93-102.                                 | 2.8 | 10        |
| 69 | In Situ Measurement of the Dynamic Penetration of Free-Fall Projectiles in Soft Soils Using a Low-Cost Inertial Measurement Unit. Geotechnical Testing Journal, 2016, 39, 235-251. | 1.0 | 14        |
| 70 | Machine Drive Power Based Roller-Integrated Compaction Measurements for Cohesive Embankment Construction. , 2016, , .  |     | 3         |
| 71 | Challenges in transferring knowledge between scales in coastal sediment dynamics. Frontiers in Marine Science, 2015, 2, .  | 2.5 | 8         |
| 72 | Stability of subsea pipelines during large storms. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140106.                     | 3.4 | 20        |

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|----|--|-----|-----------|
| 73 | A tool for ROV-based seabed friction measurement. Applied Ocean Research, 2015, 50, 155-162.   | 4.1 | 9         |
| 74 | A novel approach for time-dependent axial soil resistance in the analysis of subsea pipelines. Computers and Geotechnics, 2015, 69, 641-651.                                     | 4.7 | 4         |
| 75 | Field assessment of a jointed concrete pavement foundation treated with injected polyurethane expandable foam. International Journal of Pavement Engineering, 2015, 16, 906-918. | 4.4 | 10        |
| 76 | Lifelong embedment and spanning of a pipeline on a mobile seabed. Coastal Engineering, 2015, 95, 130-146.  | 4.0 | 47        |
| 77 | Moisture-Density-Strength-Energy Relationships for Gyrotory Compacted Geomaterials. Geotechnical Testing Journal, 2015, 38, 20140159.  | 1.0 | 14        |
| 78 | Effect of a Strong Middle Layer on Spudcan Penetration. , 2014, , .  |     | 0         |
| 79 | Effect of prior loading cycles on vertical bearing capacity of clay. International Journal of Physical Modelling in Geotechnics, 2014, 14, 88-98.                                | 0.6 | 5         |
| 80 | Tolerably mobile subsea foundations – observations of performance. Geotechnique, 2014, 64, 895-909.  | 4.0 | 42        |
| 81 | Centrifuge modelling of active slide – pipeline loading in soft clay. Geotechnique, 2014, 64, 16-27.   | 4.0 | 55        |
| 82 | Cyclic consolidation and axial friction for seabed pipelines. Geotechnique Letters, 2014, 4, 165-169.  | 1.2 | 28        |
| 83 | Research on the Coupling Effects Between Ship Motions and Sloshing. , 2014, , .  |     | 4         |
| 84 | A parkable piezoprobe for measuring cvat shallow depths for offshore design. Geotechnique, 2014, 64, 83-88.  | 4.0 | 9         |
| 85 | Strength assessment during shallow penetration of a sphere in clay. Geotechnique Letters, 2014, 4, 262-266.  | 1.2 | 30        |
| 86 | Strength properties of ultra-soft kaolin. Canadian Geotechnical Journal, 2014, 51, 420-431.  | 2.8 | 18        |
| 87 | Assessment of the consolidated breakout response of partially embedded subsea pipelines. Geotechnique, 2014, 64, 391-399.  | 4.0 | 15        |
| 88 | MEMS accelerometers for measuring dynamic penetration events in geotechnical centrifuge tests. International Journal of Physical Modelling in Geotechnics, 2014, 14, 31-39.      | 0.6 | 18        |
| 89 | Interpreting T-bar tests in ultra-soft clay. International Journal of Physical Modelling in Geotechnics, 2014, 14, 13-19.  | 0.6 | 11        |
| 90 | LDfE study of bottom boundary effect in foundation model tests. International Journal of Physical Modelling in Geotechnics, 2014, 14, 80-87.                                     | 0.6 | 10        |

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|-----|---|-----|-----------|
| 91  | Sediment Mobility Effects on Seabed Resistance for Unburied Pipelines. , 2014, , .  |     | 7         |
| 92  | Continuous Characterisation of Near-Surface Soil Strength. , 2014, , .  |     | 0         |
| 93  | Roller-Integrated Compaction Monitoring for Hot-Mix Asphalt Overlay Construction. Journal of Transportation Engineering, 2013, 139, 1164-1173.              | 0.9 | 14        |
| 94  | A dynamic large deformation finite element method based on mesh regeneration. Computers and Geotechnics, 2013, 54, 192-201.                                 | 4.7 | 67        |
| 95  | Modelling the embedment process during offshore pipe-laying on fine-grained soils. Canadian Geotechnical Journal, 2013, 50, 15-27.                          | 2.8 | 33        |
| 96  | Coupled consolidation analysis of pipeâ€“soil interactions. Canadian Geotechnical Journal, 2013, 50, 609-619.   | 2.8 | 44        |
| 97  | A new facility for studying ocean-structureâ€“seabed interactions: The O-tube. Coastal Engineering, 2013, 82, 88-101.                                       | 4.0 | 32        |
| 98  | Comparison of failure modes below footings on carbonate and silica sands. International Journal of Physical Modelling in Geotechnics, 2013, 13, 1-12.       | 0.6 | 13        |
| 99  | Assessing Soil Stiffness of Stabilized Pavement Foundations. Transportation Research Record, 2013, 2335, 99-109.  | 1.9 | 19        |
| 100 | An effective stress framework for the variation in penetration resistance due to episodes of remoulding and reconsolidation. Geotechnique, 2013, 63, 30-43. | 4.0 | 35        |
| 101 | Free Field Sediment Mobility on Australiaâ€™s North West Shelf. , 2013, , .   |     | 3         |
| 102 | The Use of Centrifuge Model Testing to Provide Geotechnical Input Parameters for Pipeline Engineering. , 2013, , .  |     | 1         |
| 103 | Changes in Pipeline Embedment due to Sediment Mobility: Observations and Implications for Design. , 2013, , .   |     | 6         |
| 104 | Improved Image-Based Deformation Measurement in the Centrifuge Environment. Geotechnical Testing Journal, 2013, 36, 20130044.                               | 1.0 | 71        |
| 105 | Strength of fine-grained soils at the solidâ€“fluid transition. Geotechnique, 2012, 62, 213-226.  | 4.0 | 112       |
| 106 | Field observations of as-laid pipeline embedment in carbonate sediments. Geotechnique, 2012, 62, 787-798.   | 4.0 | 20        |
| 107 | The effects of penetration rate and strain softening on the vertical penetration resistance of seabed pipelines. Geotechnique, 2012, 62, 573-582.           | 4.0 | 91        |
| 108 | Modelling the axial soil resistance on deep-water pipelines. Geotechnique, 2012, 62, 837-846.   | 4.0 | 64        |

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|-----|---|-----|-----------|
| 109 | Analytical modelling of the steady flow of a submarine slide and consequent loading on a pipeline. Geotechnique, 2012, 62, 137-146.                                   | 4.0 | 19        |
| 110 | Limit analysis of the undrained bearing capacity of offshore pipelines. Geotechnique, 2012, 62, 847-863.  | 4.0 | 83        |
| 111 | Numerical simulations of pipe-soil interaction during large lateral movements on clay. Geotechnique, 2012, 62, 693-705.   | 4.0 | 70        |
| 112 | In situ mechanistic characterisations of granular pavement foundation layers. International Journal of Pavement Engineering, 2012, 13, 52-67.                         | 4.4 | 20        |
| 113 | A Re-Examination of the Hydrodynamic Forces Acting on Partially-Buried Submarine Pipelines. , 2012, , .   |     | 0         |
| 114 | Elastoplastic consolidation beneath shallowly embedded offshore pipelines. Geotechnique Letters, 2012, 2, 73-79.  | 1.2 | 27        |
| 115 | Response of Piles with Wings to Monotonic and Cyclic Lateral Loading in Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 364-375.    | 3.0 | 83        |
| 116 | Interaction forces between pipelines and submarine slides – A geotechnical viewpoint. Ocean Engineering, 2012, 48, 32-37.   | 4.3 | 68        |
| 117 | Calibration of UWA's O-Tube Flume Facility. , 2012, , .   |     | 2         |
| 118 | Centrifuge Modeling of the Cyclic Lateral Response of a Rigid Pile in Soft Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 717-729. | 3.0 | 95        |
| 119 | Lateral Movement of Pipelines on a Soft Clay Seabed: Large Deformation Finite Element Analysis. , 2011, , .   |     | 0         |
| 120 | Field Assessment and Specification Review for Roller-Integrated Compaction Monitoring Technologies. Advances in Civil Engineering, 2011, 2011, 1-15.                  | 0.7 | 43        |
| 121 | The mechanism of steady friction between seabed pipelines and clay soils. Geotechnique, 2011, 61, 1035-1041.  | 4.0 | 28        |
| 122 | Mechanically reinforced granular shoulders on soft subgrade: Laboratory and full scale studies. Geotextiles and Geomembranes, 2011, 29, 149-160.                      | 4.6 | 13        |
| 123 | Recent advances in offshore geotechnics for deep water oil and gas developments. Ocean Engineering, 2011, 38, 818-834.  | 4.3 | 155       |
| 124 | Penetration Resistance and Stiffness Factors for Hemispherical and Toroidal Penetrometers in Uniform Clay. International Journal of Geomechanics, 2011, 11, 263-275.  | 2.7 | 20        |
| 125 | Modelling the dynamic embedment of seabed pipelines. Geotechnique, 2011, 61, 39-57.   | 4.0 | 36        |
| 126 | Consolidation around partially embedded seabed pipelines. Geotechnique, 2011, 61, 167-173.  | 4.0 | 31        |



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|-----|--|-----|-----------|
| 127 | Pipeline Laying and Embedment in Soft Fine-grained Soils: Field Observations and Numerical Simulations. , 2010, , .  |     | 18        |
| 128 | Consolidation Around Seabed Pipelines. , 2010, , .   |     | 11        |
| 129 | The influence of sea state on as-laid pipeline embedment: A case study. Applied Ocean Research, 2010, 32, 321-331.   | 4.1 | 43        |
| 130 | Geotechnical hazards and seafloor stability of the northwest shelf. Preview, 2010, 2010, 35-37.  | 0.1 | 0         |
| 131 | Performance Problems and Stabilization Techniques for Granular Shoulders. Journal of Performance of Constructed Facilities, 2010, 24, 159-169.                                   | 2.0 | 10        |
| 132 | Parametric Solutions for Slide Impact on Pipelines. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 940-949.   | 3.0 | 49        |
| 133 | Analysis of Soil Strength Degradation during Episodes of Cyclic Loading, Illustrated by the T-Bar Penetration Test. International Journal of Geomechanics, 2010, 10, 117-123.    | 2.7 | 26        |
| 134 | Centrifuge modelling of the pushover failure of an electricity transmission tower. Canadian Geotechnical Journal, 2010, 47, 413-424.   | 2.8 | 7         |
| 135 | Interpretation of T-bar penetrometer tests at shallow embedment and in very soft soils. Canadian Geotechnical Journal, 2010, 47, 218-229.  | 2.8 | 151       |
| 136 | Geostatistical Analysis for Spatially Referenced Roller-Integrated Compaction Measurements. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 813-822. | 3.0 | 68        |
| 137 | A simple model for the effect on soil strength of episodes of remoulding and reconsolidation. Canadian Geotechnical Journal, 2010, 47, 821-826.                                  | 2.8 | 38        |
| 138 | Large-deformation finite element analysis of pipe penetration and large-amplitude lateral displacement. Canadian Geotechnical Journal, 2010, 47, 842-856.                        | 2.8 | 127       |
| 139 | Characterization of the Solid-Fluid Transition of Fine-Grained Sediments. , 2009, , .  |     | 7         |
| 140 | Video Observations of Dynamic Embedment During Pipelaying in Soft Clay. , 2009, , .  |     | 2         |
| 141 | Numerical Simulations of Dynamic Embedment During Pipe Laying on Soft Clay. , 2009, , .  |     | 5         |
| 142 | A wireless high-speed data acquisition system for geotechnical centrifuge model testing. Measurement Science and Technology, 2009, 20, 095709.                                   | 2.6 | 32        |
| 143 | Effect of Surface Heave on Response of Partially Embedded Pipelines on Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 819-829.                | 3.0 | 85        |
| 144 | Geotechnical Centrifuge Modelling Techniques for Submarine Slides. , 2009, , .   |     | 8         |

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|-----|--|-----|-----------|
| 145 | Effect of Remodling and Reconsolidation on the Touchdown Stiffness of a Steel Catenary Riser: Guidance from Centrifuge Modelling. , 2009, , .  |     | 21        |
| 146 | Techniques for the assessment of pipe-soil interaction forces for future deepwater developments. , 2009, , .   |     | 11        |
| 147 | Modelling the soil resistance on seabed pipelines during large cycles of lateral movement. Marine Structures, 2008, 21, 59-79.   | 3.8 | 84        |
| 148 | Relationships between In Situ and Roller-Integrated Compaction Measurements for Granular Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1763-1770. | 3.0 | 98        |
| 149 | Uplift Mechanisms of Pipes Buried in Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 154-163.  | 3.0 | 139       |
| 150 | Upper-bound yield envelopes for pipelines at shallow embedment in clay. Geotechnique, 2008, 58, 297-301.   | 4.0 | 86        |
| 151 | Mechanisms of pipe embedment and lateral breakout on soft clay. Canadian Geotechnical Journal, 2008, 45, 636-652.  | 2.8 | 122       |
| 152 | Estimating Compaction of Cohesive Soils from Machine Drive Power. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1771-1777.                               | 3.0 | 53        |
| 153 | The uplift resistance of pipes and plate anchors buried in sand. Geotechnique, 2008, 58, 771-779.  | 4.0 | 139       |
| 154 | Rapid Assessment of Cement and Fiber-Stabilized Soil Using Roller-Integrated Compaction Monitoring. Transportation Research Record, 2008, 2059, 95-102.                                | 1.9 | 5         |
| 155 | Centrifuge Modelling of Riser-Soil Stiffness Degradation in the Touchdown Zone of a Steel Catenary Riser. , 2008, , .  |     | 13        |
| 156 | Contributions to <i>GÃ©otechnique</i> 1948â€“2008: Physical modelling. Geotechnique, 2008, 58, 413-421.  | 4.0 | 16        |
| 157 | A comparison of the bearing capacity of flat and conical circular foundations on sand. Geotechnique, 2008, 58, 781-792.  | 4.0 | 63        |
| 158 | Behavior of Slender Piles Subject to Free-Field Lateral Soil Movement. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 428-436.                            | 3.0 | 25        |
| 159 | Physical and Numerical Simulation of Shallow Penetration of a Cylindrical Object into Soft Clay. , 2008, , .   |     | 12        |
| 160 | Pipe-Soil Interaction With Flowlines During Lateral Buckling and Pipeline Walking - The SAFEBUCK JIP. , 2008, , .  |     | 59        |
| 161 | Pipeline Embedment in Deep Water: Processes and Quantitative Assessment. , 2008, , .   |     | 32        |
| 162 | The ultimate undrained resistance of partially embedded pipelines. Geotechnique, 2008, 58, 461-470.  | 4.0 | 12        |

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|-----|--|-----|-----------|
| 163 | Pipeline Embedment in Deep Water: Processes and Quantitative Assessment. , 2008, , .   |     | 27        |
| 164 | Simple prediction of the undrained displacement of a circular surface foundation on non-linear soil. Geotechnique, 2007, 57, 729-737.  | 4.0 | 12        |
| 165 | “Underlying” Causes for Settlement of Bridge Approach Pavement Systems. Journal of Performance of Constructed Facilities, 2007, 21, 273-282.   | 2.0 | 41        |
| 166 | Effects of Seasonal Freezing on Bridge Column“Foundation”Soil Interaction and Their Implications. Earthquake Spectra, 2007, 23, 199-222.   | 3.1 | 46        |
| 167 | Field Calibration and Spatial Analysis of Compaction-Monitoring Technology Measurements. Transportation Research Record, 2007, 2004, 69-79.  | 1.9 | 37        |
| 168 | Large-scale modelling of soil“pipe interaction during large amplitude cyclic movements of partially embedded pipelines. Canadian Geotechnical Journal, 2007, 44, 977-996.  | 2.8 | 42        |
| 169 | Field measurements of the stiffness of jacked piles and pile groups. Geotechnique, 2006, 56, 349-354.  | 4.0 | 21        |
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