

David J White

List of Publications by Year in descending order

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186
papers

5,957
citations

76196

40
h-index

102304

66
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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.	2.2	5
2	Uplift resistance of buried pipelines: The contribution of seepage forces. <i>Ocean Engineering</i> , 2022, 250, 111037.	1.9	6
3	Hydrodynamic forces on subsea cables immersed in wave boundary layers. <i>Coastal Engineering</i> , 2022, 174, 104101.	1.7	4
4	Jet injection needle-free dental anaesthesia: Initial findings. <i>Journal of Dentistry</i> , 2022, 122, 104165.	1.7	3
5	Development of a prototype autonomous inspection robot for offshore riser cables. <i>Ocean Engineering</i> , 2022, 257, 111485.	1.9	5
6	The effect of permeability on the erosion threshold of fine-grained sediments. <i>Coastal Engineering</i> , 2021, 163, 103813.	1.7	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.	0.4	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.	1.5	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.	1.5	9
10	Partially Mobile Shallow Subsea Foundations: A Practical Analysis Framework. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, 04021064.	1.5	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.	1.8	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.	1.4	15
13	Quantifying fishing activity targeting subsea pipelines by commercial trap fishers. <i>Reviews in Fish Biology and Fisheries</i> , 2021, 31, 1009-1023.	2.4	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.	1.0	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, .	0.6	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.	2.2	20
18	Penetrometer testing in a calcareous silt to explore changes in soil strength. <i>Geotechnique</i> , 2020, 70, 1160-1173.	2.2	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.	2.2	27
20	Parametric solution of lateral buckling of submarine pipelines. <i>Applied Ocean Research</i> , 2020, 98, 102077.	1.8	9
21	Lateral resistance of rigid pipelines and cables on rocky seabeds. <i>Canadian Geotechnical Journal</i> , 2019, 56, 823-839.	1.4	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.	1.8	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.	1.9	17
24	Mooring system reliability in tropical cyclone and North Sea winter storm environments. <i>Applied Ocean Research</i> , 2019, 88, 306-316.	1.8	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.	1.3	2
26	Numerical modelling of seepage and tension beneath plate anchors. <i>Computers and Geotechnics</i> , 2019, 108, 131-142.	2.3	17
27	Simple solutions for downslope pipeline walking on elastic-perfectly-plastic soils. <i>Ocean Engineering</i> , 2019, 172, 671-683.	1.9	12
28	Load capacity of caisson anchors exposed to seabed trenching. <i>Ocean Engineering</i> , 2019, 171, 181-192.	1.9	22
29	Subsea pipeline walking with velocity dependent seabed friction. <i>Applied Ocean Research</i> , 2019, 82, 296-308.	1.8	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.	2.2	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.	0.4	2
32	Controlling lateral buckling of subsea pipeline with sinusoidal shape pre-deformation. <i>Ocean Engineering</i> , 2018, 151, 170-190.	1.9	38
33	Investigating Frost Heave Deterioration at Pavement Joint Locations. <i>Journal of Performance of Constructed Facilities</i> , 2018, 32, .	1.0	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.	1.9	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.	1.0	8
39	Development of customised 3D printed biodegradable projectile for administrating extended-release contraceptive to wildlife. International Journal of Pharmaceutics, 2018, 548, 349-356.	2.6	28
40	The influence of permeability on the erosion rate of fine-grained marine sediments. Coastal Engineering, 2018, 140, 124-135.	1.7	11
41	Sediment transport and trench development beneath a cylinder oscillating normal to a sandy seabed. Coastal Engineering, 2018, 140, 395-410.	1.7	10
42	Spatial pavement roughness from stationary laser scanning. International Journal of Pavement Engineering, 2017, 18, 83-96.	2.2	23
43	Foundation punch-through in clay with sand: analytical modelling. Geotechnique, 2017, 67, 672-690.	2.2	11
44	Engineering and legal considerations for decommissioning of offshore oil and gas infrastructure in Australia. Ocean Engineering, 2017, 131, 338-347.	1.9	58
45	Elastoplastic consolidation solutions for scaling from shallow penetrometers to pipelines. Canadian Geotechnical Journal, 2017, 54, 881-895.	1.4	6
46	Theoretical framework for predicting the response of tolerably mobile subsea installations. Geotechnique, 2017, 67, 608-620.	2.2	17
47	Anchor loads in taut moorings: The impact of inverse catenary shakedown. Applied Ocean Research, 2017, 67, 225-235.	1.8	12
48	Estimating Mechanistic Parameters for Subgrade Using Gyrotory Compaction with Pressure Distribution Analyzer. Journal of Materials in Civil Engineering, 2017, 29, 04017216.	1.3	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.	1.5	5
50	The evolution of seabed stiffness during cyclic movement in a riser touchdown zone on soft clay. Geotechnique, 2017, 67, 127-137.	2.2	27
51	Lateral boundary effects in centrifuge foundation tests. International Journal of Physical Modelling in Geotechnics, 2017, 17, 144-160.	0.5	30
52	Predicting the Changing Soil Response for Vertical Pipe-Seabed Interaction Accounting for Remolding, 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.	1.7	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.	0.9	2

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55	Effect of wave boundary layer on hydrodynamic forces on small diameter pipelines. Ocean Engineering, 2016, 125, 26-30.	1.9	8
56	Wavelet Filter Design for Pavement Roughness Analysis. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 907-920.	6.3	21
57	Estimation of soil strength in fine-grained soils by instrumented free-fall sphere tests. Geotechnique, 2016, 66, 959-968.	2.2	20
58	Physical modelling of pipe embedment and equalisation in clay. Geotechnique, 2016, 66, 602-609.	2.2	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.	1.4	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.	1.4	25
62	Evaluation of Elastic Stiffness Parameters for Pipeline-Soil Interaction. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, 04016009.	1.5	19
63	Predicting the rate of scour beneath subsea pipelines in marine sediments under steady flow conditions. Coastal Engineering, 2016, 110, 111-126.	1.7	39
64	Continuous wavelet analysis of pavement profiles. Automation in Construction, 2016, 63, 134-143.	4.8	21
65	Pavement thickness and stabilised foundation layer assessment using ground-coupled GPR. Nondestructive Testing and Evaluation, 2016, 31, 267-287.	1.1	22
66	Vermiculate artefacts in image analysis of granular materials. Computers and Geotechnics, 2016, 72, 100-113.	2.3	48
67	Improved image-based deformation measurement for geotechnical applications. Canadian Geotechnical Journal, 2016, 53, 727-739.	1.4	283
68	Laboratory development of a vertically oriented penetrometer for shallow seabed characterization. Canadian Geotechnical Journal, 2016, 53, 93-102.	1.4	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.	0.5	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, .	1.2	8
72	Stability of subsea pipelines during large storms. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140106.	1.6	20

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73	A tool for ROV-based seabed friction measurement. Applied Ocean Research, 2015, 50, 155-162.	1.8	9
74	A novel approach for time-dependent axial soil resistance in the analysis of subsea pipelines. Computers and Geotechnics, 2015, 69, 641-651.	2.3	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.	2.2	10
76	Lifelong embedment and spanning of a pipeline on a mobile seabed. Coastal Engineering, 2015, 95, 130-146.	1.7	47
77	Moisture-Density-Strength-Energy Relationships for Gyrotory Compacted Geomaterials. Geotechnical Testing Journal, 2015, 38, 20140159.	0.5	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.	0.5	5
80	Tolerably mobile subsea foundations – observations of performance. Geotechnique, 2014, 64, 895-909.	2.2	42
81	Centrifuge modelling of active slide – pipeline loading in soft clay. Geotechnique, 2014, 64, 16-27.	2.2	55
82	Cyclic consolidation and axial friction for seabed pipelines. Geotechnique Letters, 2014, 4, 165-169.	0.6	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.	2.2	9
85	Strength assessment during shallow penetration of a sphere in clay. Geotechnique Letters, 2014, 4, 262-266.	0.6	30
86	Strength properties of ultra-soft kaolin. Canadian Geotechnical Journal, 2014, 51, 420-431.	1.4	18
87	Assessment of the consolidated breakout response of partially embedded subsea pipelines. Geotechnique, 2014, 64, 391-399.	2.2	15
88	MEMS accelerometers for measuring dynamic penetration events in geotechnical centrifuge tests. International Journal of Physical Modelling in Geotechnics, 2014, 14, 31-39.	0.5	18
89	Interpreting T-bar tests in ultra-soft clay. International Journal of Physical Modelling in Geotechnics, 2014, 14, 13-19.	0.5	11
90	LDFE study of bottom boundary effect in foundation model tests. International Journal of Physical Modelling in Geotechnics, 2014, 14, 80-87.	0.5	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.	2.3	67
95	Modelling the embedment process during offshore pipe-laying on fine-grained soils. Canadian Geotechnical Journal, 2013, 50, 15-27.	1.4	33
96	Coupled consolidation analysis of pipe-soil interactions. Canadian Geotechnical Journal, 2013, 50, 609-619.	1.4	44
97	A new facility for studying ocean-structure-seabed interactions: The O-tube. Coastal Engineering, 2013, 82, 88-101.	1.7	32
98	Comparison of failure modes below footings on carbonate and silica sands. International Journal of Physical Modelling in Geotechnics, 2013, 13, 1-12.	0.5	13
99	Assessing Soil Stiffness of Stabilized Pavement Foundations. Transportation Research Record, 2013, 2335, 99-109.	1.0	19
100	An effective stress framework for the variation in penetration resistance due to episodes of remoulding and reconsolidation. Geotechnique, 2013, 63, 30-43.	2.2	35
101	Free Field Sediment Mobility on Australia'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.	0.5	71
105	Strength of fine-grained soils at the solid-fluid transition. Geotechnique, 2012, 62, 213-226.	2.2	112
106	Field observations of as-laid pipeline embedment in carbonate sediments. Geotechnique, 2012, 62, 787-798.	2.2	20
107	The effects of penetration rate and strain softening on the vertical penetration resistance of seabed pipelines. Geotechnique, 2012, 62, 573-582.	2.2	91
108	Modelling the axial soil resistance on deep-water pipelines. Geotechnique, 2012, 62, 837-846.	2.2	64

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109	Analytical modelling of the steady flow of a submarine slide and consequent loading on a pipeline. <i>Geotechnique</i> , 2012, 62, 137-146.	2.2	19
110	Limit analysis of the undrained bearing capacity of offshore pipelines. <i>Geotechnique</i> , 2012, 62, 847-863.	2.2	83
111	Numerical simulations of pipe-soil interaction during large lateral movements on clay. <i>Geotechnique</i> , 2012, 62, 693-705.	2.2	70
112	<i>In situ</i> mechanistic characterisations of granular pavement foundation layers. <i>International Journal of Pavement Engineering</i> , 2012, 13, 52-67.	2.2	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. <i>Geotechnique Letters</i> , 2012, 2, 73-79.	0.6	27
115	Response of Piles with Wings to Monotonic and Cyclic Lateral Loading in Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 364-375.	1.5	83
116	Interaction forces between pipelines and submarine slides – A geotechnical viewpoint. <i>Ocean Engineering</i> , 2012, 48, 32-37.	1.9	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. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011, 137, 717-729.	1.5	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. <i>Advances in Civil Engineering</i> , 2011, 2011, 1-15.	0.4	43
121	The mechanism of steady friction between seabed pipelines and clay soils. <i>Geotechnique</i> , 2011, 61, 1035-1041.	2.2	28
122	Mechanically reinforced granular shoulders on soft subgrade: Laboratory and full scale studies. <i>Geotextiles and Geomembranes</i> , 2011, 29, 149-160.	2.3	13
123	Recent advances in offshore geotechnics for deep water oil and gas developments. <i>Ocean Engineering</i> , 2011, 38, 818-834.	1.9	155
124	Penetration Resistance and Stiffness Factors for Hemispherical and Toroidal Penetrometers in Uniform Clay. <i>International Journal of Geomechanics</i> , 2011, 11, 263-275.	1.3	20
125	Modelling the dynamic embedment of seabed pipelines. <i>Geotechnique</i> , 2011, 61, 39-57.	2.2	36
126	Consolidation around partially embedded seabed pipelines. <i>Geotechnique</i> , 2011, 61, 167-173.	2.2	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.	1.8	43
130	Geotechnical hazards and seafloor stability of the northwest shelf. Preview, 2010, 2010, 35-37.	0.0	0
131	Performance Problems and Stabilization Techniques for Granular Shoulders. Journal of Performance of Constructed Facilities, 2010, 24, 159-169.	1.0	10
132	Parametric Solutions for Slide Impact on Pipelines. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 940-949.	1.5	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.	1.3	26
134	Centrifuge modelling of the pushover failure of an electricity transmission tower. Canadian Geotechnical Journal, 2010, 47, 413-424.	1.4	7
135	Interpretation of T-bar penetrometer tests at shallow embedment and in very soft soils. Canadian Geotechnical Journal, 2010, 47, 218-229.	1.4	151
136	Geostatistical Analysis for Spatially Referenced Roller-Integrated Compaction Measurements. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 813-822.	1.5	68
137	A simple model for the effect on soil strength of episodes of remoulding and reconsolidation. Canadian Geotechnical Journal, 2010, 47, 821-826.	1.4	38
138	Large-deformation finite element analysis of pipe penetration and large-amplitude lateral displacement. Canadian Geotechnical Journal, 2010, 47, 842-856.	1.4	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.	1.4	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.	1.5	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.	1.6	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.	1.5	98
149	Uplift Mechanisms of Pipes Buried in Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 154-163.	1.5	139
150	Upper-bound yield envelopes for pipelines at shallow embedment in clay. Geotechnique, 2008, 58, 297-301.	2.2	86
151	Mechanisms of pipe embedment and lateral breakout on soft clay. Canadian Geotechnical Journal, 2008, 45, 636-652.	1.4	122
152	Estimating Compaction of Cohesive Soils from Machine Drive Power. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1771-1777.	1.5	53
153	The uplift resistance of pipes and plate anchors buried in sand. Geotechnique, 2008, 58, 771-779.	2.2	139
154	Rapid Assessment of Cement and Fiber-Stabilized Soil Using Roller-Integrated Compaction Monitoring. Transportation Research Record, 2008, 2059, 95-102.	1.0	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.	2.2	16
157	A comparison of the bearing capacity of flat and conical circular foundations on sand. Geotechnique, 2008, 58, 781-792.	2.2	63
158	Behavior of Slender Piles Subject to Free-Field Lateral Soil Movement. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 428-436.	1.5	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	Pipeline Embedment in Deep Water: Processes and Quantitative Assessment. , 2008, , .		27

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163	Simple prediction of the undrained displacement of a circular surface foundation on non-linear soil. <i>Geotechnique</i> , 2007, 57, 729-737.	2.2	12
164	“Underlying” Causes for Settlement of Bridge Approach Pavement Systems. <i>Journal of Performance of Constructed Facilities</i> , 2007, 21, 273-282.	1.0	41
165	Effects of Seasonal Freezing on Bridge Column “Foundation” Soil Interaction and Their Implications. <i>Earthquake Spectra</i> , 2007, 23, 199-222.	1.6	46
166	Field Calibration and Spatial Analysis of Compaction-Monitoring Technology Measurements. <i>Transportation Research Record</i> , 2007, 2004, 69-79.	1.0	37
167	Large-scale modelling of soil “pipe interaction during large amplitude cyclic movements of partially embedded pipelines. <i>Canadian Geotechnical Journal</i> , 2007, 44, 977-996.	1.4	42
168	Field measurements of the stiffness of jacked piles and pile groups. <i>Geotechnique</i> , 2006, 56, 349-354.	2.2	21
169	Microscale Observation and Modeling of Soil-Structure Interface Behavior Using Particle Image Velocimetry. <i>Soils and Foundations</i> , 2006, 46, 15-28.	1.3	138
170	An analytical study of the effect of penetration rate on piezocone tests in clay. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2006, 30, 501-527.	1.7	49
171	Cyclic Lateral Load Response of Bridge Column-Foundation-Soil Systems in Freezing Conditions. <i>Journal of Structural Engineering</i> , 2006, 132, 1745-1754.	1.7	47
172	Reclaimed Hydrated Fly Ash As a Geomaterial. <i>Journal of Materials in Civil Engineering</i> , 2006, 18, 206-213.	1.3	8
173	Power-Based Compaction Monitoring Using Vibratory Padfoot Roller. , 2006, , 1.		15
174	Real-Time Compaction Monitoring in Cohesive Soils from Machine Response. <i>Transportation Research Record</i> , 2005, 1936, 172-180.	1.0	43
175	Limiting cavity depth for spudcan foundations penetrating clay. <i>Geotechnique</i> , 2005, 55, 679-690.	2.2	132
176	Lateral stress changes and shaft friction for model displacement piles in sand. <i>Canadian Geotechnical Journal</i> , 2005, 42, 1039-1052.	1.4	77
177	Discussion of “Accuracy of Digital Image Correlation for Measuring Deformations in Transparent Media” by Samer Sadek, Magued G. Iskander, and Jinyuan Liu. <i>Journal of Computing in Civil Engineering</i> , 2005, 19, 217-219.	2.5	7
178	Comparing CPT and pile base resistance in sand. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2005, 158, 3-14.	0.9	5
179	Implications of Changes in Suction and Moisture Regime in Highway Foundations and Embankments. , 2004, , 2115.		1
180	Displacement and strain paths during plane-strain model pile installation in sand. <i>Geotechnique</i> , 2004, 54, 375-397.	2.2	233

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181	Settlement Monitoring of Large Box Culvert Supported by Rammed Aggregate Piers " A Case History. , 2004, , 1566.		2
182	Friction fatigue on displacement piles in sand. Geotechnique, 2004, 54, 645-658.	2.2	19
183	Interface Load Transfer Degradation During Cyclic Loading: A Microscale Investigation. Soils and Foundations, 2003, 43, 81-93.	1.3	121
184	PSD measurement using the single particle optical sizing (SPOS) method. Geotechnique, 2003, 53, 317-326.	2.2	5
185	Long-Term Strength and Durability of Hydrated Fly-Ash Road Bases. Transportation Research Record, 2001, 1755, 151-159.	1.0	9
186	Lateral Boundary Effect in Centrifuge Tests for Spudcan Penetration in Uniform Clay. Applied Mechanics and Materials, 0, 553, 458-463.	0.2	8