Ian D Moore

List of Publications by Year
in descending order

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174 papers	2,851 citations	201575 27 h-index	265120 42 g-index
174 all docs	174 docs citations	174 times ranked	964 citing authors

#	Article	IF	Citations
1	Nonlinear mechanical response of high density polyethylene. Part II: Uniaxial constitutive modeling. Polymer Engineering and Science, 1997, 37, 414-420.	1.5	141
2	Nonlinear mechanical response of high density polyethylene. Part I: Experimental investigation and model evaluation. Polymer Engineering and Science, 1997, 37, 404-413.	1.5	129
3	Response of pipelines of differing flexural stiffness to normal faulting. Geotechnique, 2016, 66, 275-286.	2.2	89
4	Finite element modeling of lateral pipelineâ€“soil interactions in dense sand. Canadian Geotechnical Journal, 2016, 53, 490-504.	1.4	66
5	State-of-the-art review of water pipe failure prediction models and applicability to large-diameter mains. Urban Water Journal, 2017, 14, 173-184.	1.0	65
6	Geomembrane Strain Observed in Large-Scale Testing of Protection Layers. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2000, 126, 1194-1208.	1.5	63
7	Stability of Loosely Fitted Liners Used to Rehabilitate Rigid Pipes. Journal of Structural Engineering, 1998, 124, 1350-1357.	1.7	62
8	Distributed Sensing of Circumferential Strain Using Fiber Optics during Full-Scale Buried Pipe Experiments. Journal of Pipeline Systems Engineering and Practice, 2015, 6, .	0.9	59
9	Study of non-uniform bedding due to voids under jointed PVC water distribution pipes. Geotextiles and Geomembranes, 2012, 34, 39-50.	2.3	56
10	Axial Response of Tapered Piles in Cohesive Frictional Ground. Journal of Geotechcnical Engineering, 1993, 119, 675-693.	0.4	55
11	Performance of deteriorated corrugated steel culverts rehabilitated with sprayed-on cementitious liners subjected to surface loads. Tunnelling and Underground Space Technology, 2015, 47, 222-232.	3.0	52
12	Two-Dimensional Analyses of Thermoplastic Culvert Deformations and Strains. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 199-208.	1.5	48
13	Modeling the Effects of Backfilling and Soil Compaction beside Shallow Buried Pipes. Journal of Pipeline Systems Engineering and Practice, 2013, 4, .	0.9	44
14	Effect of Deterioration on the Performance of Corrugated Steel Culverts. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	1.5	42
15	Uplift Failure Mechanisms of Pipes Buried in Dense Sand. International Journal of Geomechanics, 2018, 18, .	1.3	41
16	Impact of soil erosion voids on reinforced concrete pipe responses to surface loads. Tunnelling and Underground Space Technology, 2018, 82, 111-124.	3.0	40
17	Finite Element Study of Stability of Corroded Metal Culverts. Transportation Research Record, 2008, 2050, 157-166.	1.0	38
18	Metal Culvert Response to Earth Loading: Performance of Two-Dimensional Analysis. Transportation Research Record, 1999, 1656, 25-36.	1.0	36

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19	Drilling Fluid Considerations in Design of Engineered Horizontal Directional Drilling Installations. International Journal of Geomechanics, 2005, 5, 339-349.	1.3	36
20	Analysis of tunnels in shaly rock considering three-dimensional stress effects on swelling. Canadian Geotechnical Journal, 2005, 42, 1-12.	1.4	36
21	Threeâ€Dimensional Analysis of Flexible Circular Culverts. Journal of Geotechcnical Engineering, 1994, 120, 1829-1844.	0.4	35
22	Earth pressure measurements on buried HDPE pipe. Geotechnique, 2011, 61, 721-732.	2.2	34
23	Laboratory Study on the Behavior of a Horizontal-Ellipse Culvert during Service and Ultimate Load Testing. Journal of Bridge Engineering, 2017, 22, .	1.4	31
24	Role of Grout Strength and Liners on the Performance of Slip-Lined Pipes. Journal of Pipeline Systems Engineering and Practice, 2015, 6, .	0.9	30
25	Behaviour of bell and spigot joints in buried reinforced concrete pipelines. Canadian Geotechnical Journal, 2015, 52, 609-625.	1.4	30
26	Study of Nonuniform Bedding Support Because of Erosion under Cast Iron Water Distribution Pipes. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 1247-1256.	1.5	29
27	Experimental Investigation of Rehabilitated Steel Culvert Performance under Static Surface Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	1.5	29
28	Upward Pipeâ€“Soil Interaction for Shallowly Buried Pipelines in Dense Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	1.5	29
29	Elastic Buckling of Buried Flexible Tubesâ€”A Review of Theory and Experiment. Journal of Geotechcnical Engineering, 1989, 115, 340-358.	0.4	28
30	Metal Culvert Response to Live Loading: Performance of Three-Dimensional Analysis. Transportation Research Record, 1999, 1656, 37-44.	1.0	27
31	Laboratory Testing to Examine Deformations and Moments in Fiber-Reinforced Cement Pipe. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 1722-1731.	1.5	26
32	Study of non-uniform bedding support under continuous PVC water distribution pipes. Tunnelling and Underground Space Technology, 2013, 35, 99-108.	3.0	26
33	Performance of two-dimensional analysis: Deteriorated metal culverts under surface live load. Tunnelling and Underground Space Technology, 2014, 42, 152-160.	3.0	26
34	Kinematics of jointed pipes and design estimates of joint rotation under differential ground movements. Canadian Geotechnical Journal, 2015, 52, 1714-1724.	1.4	26
35	Rehabilitated reinforced concrete culvert performance under surface loading. Tunnelling and Underground Space Technology, 2017, 69, 52-63.	3.0	26
36	Pre- and post-rehabilitation behaviour of a deteriorated horizontal ellipse culvert. Canadian Geotechnical Journal, 2018, 55, 329-342.	1.4	26

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37	Linear viscoelastic modelling of profiled high density polyethylene pipe. Canadian Journal of Civil Engineering, 1996, 23, 395-407.	0.7	25
38	Three-Dimensional Response of Buried Pipes under Circular Surface Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 219-223.	1.5	25
39	Joint Response of Existing Pipe Culverts under Surface Live Loads. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	25
40	Ultimate Strength Testing of Two Deteriorated Metal Culverts Repaired with Spray-On Cementitious Liners. Transportation Research Record, 2015, 2522, 139-147.	1.0	24
41	Parametric Study for Buckling of Liners: Effect of Liner Geometry and Imperfections. , 1997, , 416.		23
42	Acoustic Emission Sensing of Pipeâ€“Soil Interaction: Full-Scale Pipelines Subjected to Differential Ground Movements. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	1.5	23
43	Ultimate Limit State of Deep-Corrugated Large-Span Box Culvert. Transportation Research Record, 2010, 2201, 55-61.	1.0	22
44	Effect of truck position and multiple truck loading on response of long-span metal culverts. Canadian Geotechnical Journal, 2014, 51, 196-207.	1.4	22
45	Remaining Strength of Deteriorated Corrugated Steel Culverts. Journal of Pipeline Systems Engineering and Practice, 2018, 9, .	0.9	22
46	Three-dimensional ground displacements from static pipe bursting in stiff clay. Canadian Geotechnical Journal, 2010, 47, 439-450.	1.4	21
47	Structural Performance of In-Service Corrugated Steel Culvert under Vehicle Loading. Journal of Bridge Engineering, 2020, 25, .	1.4	21
48	Threeâ€Ðimensional Dynamic Response of Twin Cavities due to Traveling Loads. Journal of Engineering Mechanics - ASCE, 1994, 120, 637-651.	1.6	20
49	Experimental investigation of pull loads and borehole pressures during horizontal directional drilling installations. Canadian Geotechnical Journal, 2004, 41, 672-685.	1.4	20
50	Material characterization of components and assembled behavior of a composite liner for rehabilitation of cast iron pressure pipes. Polymer Engineering and Science, 2008, 48, 1231-1239.	1.5	20
51	Performance of a cured-in-place pressure pipe liner passing through a pipe section without structural integrity. Tunnelling and Underground Space Technology, 2014, 42, 87-95.	3.0	20
52	Parametric study of frost-induced bending moments in buried cast iron water pipes. Tunnelling and Underground Space Technology, 2016, 51, 291-300.	3.0	20
53	Testing and Analysis of a Deep-Corrugated Large-Span Box Culvert prior to Burial. Journal of Bridge Engineering, 2012, 17, 81-88.	1.4	19
54	Lateral resistance of pipes and strip anchors buried in dense sand. Canadian Geotechnical Journal, 2018, 55, 1812-1823.	1.4	19

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55	Numerical modeling of tight fitting flexible liner in damaged sewer under earth loads. Tunnelling and Underground Space Technology, 2007, 22, 655-665.	3.0	18
56	Simplified design model for rigid pipe joints based on the two-pipe approximation. Canadian Geotechnical Journal, 2015, 52, 626-637.	1.4	18
57	Measured load capacity of buried reinforced concrete pipes. ACI Structural Journal, 2016, 113, .	0.3	18
58	Simplified theory for the behaviour of buried flexible cylinders under the influence of uniform hoop compression. International Journal of Solids and Structures, 1985, 21, 929-941.	1.3	16
59	Numerical models for evaluating progressive failure in earth structuresâ€"A review. Computers and Geotechnics, 1988, 6, 217-239.	2.3	16
60	Analysis of a Gasketed Polyvinyl Chloride Pipe Joint. Transportation Research Record, 2009, 2131, 113-122.	1.0	16
61	Validation of boundary PIV measurements of soilâ€"pipe interaction. International Journal of Physical Modelling in Geotechnics, 2011, 11, 23-32.	0.5	16
62	Simplified Design Equations for Joints in Buried Flexible Pipes Based on HetÃ©nyi Solutions. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	1.5	16
63	Effect of Wrinkles on the Circumferential Strength of a Cast-in-Place Composite Polymer Liner Used in Retrofitting Pressure Pipes. Journal of Materials in Civil Engineering, 2010, 22, 1304-1314.	1.3	15
64	Longitudinal Bending and Failure of GFRP Pipes Buried in Dense Sand under Relative Ground Movement. Journal of Composites for Construction, 2013, 17, 702-710.	1.7	15
65	Experimental Investigation of Longitudinal Bending of Buried Steel Pipes Pulled through Dense Sand. Journal of Pipeline Systems Engineering and Practice, 2014, 5, .	0.9	15
66	Post-failure fracture angle of brittle pipes subjected to differential ground movements. Tunnelling and Underground Space Technology, 2015, 49, 114-120.	3.0	15
67	Rotational Characteristics of a Gasketed Bell and Spigot Joint in a Pressurized Reinforced Concrete Pipeline. Journal of Pipeline Systems Engineering and Practice, 2016, 7, .	0.9	15
68	Numerical Study of Longitudinal Bending in Buried GFRP Pipes Subjected to Lateral Earth Movements. Journal of Pipeline Systems Engineering and Practice, 2017, 8, .	0.9	15
69	Analysis of a cured-in-place pressure pipe liner spanning circular voids. Tunnelling and Underground Space Technology, 2020, 101, 103424.	3.0	15
70	Long-term monitoring of SIDD Type IV installations. Canadian Geotechnical Journal, 2006, 43, 392-408.	1.4	14
71	Ground Displacements from a Pipe-Bursting Experiment in Well-Graded Sand and Gravel. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 1713-1721.	1.5	14
72	Behavior of Bell and Spigot Joints in Buried Thermoplastic Pipelines. Transportation Research Record, 2013, 2332, 29-40.	1.0	14

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73	Corrugated High-Density Polyethylene Pipe: Laboratory Testing and Two-Dimensional Analysis to Develop Limit States Design. Transportation Research Record, 2002, 1814, 157-163.	1.0	13
74	Response of a polyvinyl chloride water pipe when transverse to an underlying pipe replaced by pipe bursting. Canadian Geotechnical Journal, 2009, 46, 1258-1266.	1.4	13
75	Behavior of Coupling Band Joints in Buried Corrugated Steel Pipelines. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	1.5	12
76	Measured Responses of a Corrugated Steel Ellipse Culvert at Different Cover Depths. Journal of Bridge Engineering, 2020, 25, .	1.4	12
77	Parametric study examining the short and long term response of HDPE pipes when installed by horizontal directional drilling. Tunnelling and Underground Space Technology, 2010, 25, 782-794.	3.0	11
78	Large-Scale Laboratory Experiments to Advance the Design and Performance of Buried Pipe Infrastructure. , 2012, , .		11
79	Numerical evaluation of a deeply buried pipe testing facility. Advances in Structural Engineering, 2018, 21, 2571-2588.	1.2	11
80	Experimental Study of Structural Response of Lined-Corrugated HDPE Pipe Subjected to Normal Fault. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, 04019117.	1.5	11
81	Experimental Investigation Examining Influence of Burial Depth on Stability of Horizontal Boreholes in Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	1.5	11
82	Nonlinear Predictions for HDPE Pipe Response under Parallel Plate Loading. Journal of Transportation Engineering, 1998, 124, 286-292.	0.9	10
83	Evaluation of Local Bending in Profile-Wall Polyethylene Pipes. Journal of Transportation Engineering, 2006, 132, 898-906.	0.9	10
84	Development of Tensile Hoop Stress during Horizontal Directional Drilling through Sand. International Journal of Geomechanics, 2006, 6, 367-373.	1.3	10
85	Effects of Erosion Void on Deteriorated Metal Culvert before and after Repair with Grouted Slip Liner. Journal of Pipeline Systems Engineering and Practice, 2019, 10, .	0.9	10
86	Ground failure around buried tubes. Rock Mechanics and Rock Engineering, 1987, 20, 243-260.	2.6	9
87	Three-dimensional elastic finite element study of the skid resistance of grooved pavement. International Journal for Numerical Methods in Engineering, 1988, 26, 437-452.	1.5	9
88	Buckling Strength of Polymer Liners Used in Sewer Rehabilitation. Transportation Research Record, 1996, 1541, 127-132.	1.0	9
89	A numerical investigation into the behavior of ground-supported concrete silos filled with saturated solids. International Journal of Solids and Structures, 2006, 43, 3723-3738.	1.3	9
90	Numerical Investigation of the Circumferential Stresses around Boreholes during Horizontal Directional Drilling. International Journal of Geomechanics, 2017, 17, .	1.3	9

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91	Stress concentrations due to simulated corrosion pits in buried metal pipes under longitudinal bending. Journal of Civil Structural Health Monitoring, 2022, 12, 785-796.	2.0	9
92	Behaviour of buried flexible cylinders under the influence of nonuniform hoop compression. International Journal of Solids and Structures, 1985, 21, 943-956.	1.3	8
93	Substructuring technique in nonlinear analysis of brick masonry subjected to concentrated load. Computers and Structures, 1987, 27, 417-425.	2.4	8
94	A general interaction analysis for large deformations. International Journal for Numerical Methods in Engineering, 1993, 36, 2863-2876.	1.5	8
95	Identifying Factors that Influence the Factor of Safety and Probability of Failure of Large-diameter, Cast Iron Water Mains with a Mechanistic, Stochastic Model: A Case Study in the City of Hamilton. Procedia Engineering, 2015, 119, 130-138.	1.2	8
96	Practical criteria for assessment of horizontal borehole instability in saturated clay. Tunnelling and Underground Space Technology, 2018, 75, 21-35.	3.0	8
97	Laboratory investigation of backfill erosion around rigid pipes with defective joints. Geotechnique, 2022, 72, 847-859.	2.2	8
98	Hysteresis Sliding Friction of Rubberâ€"Finite Element Analysis. Journal of Engineering Mechanics - ASCE, 1990, 116, 217-232.	1.6	7
99	Vibration of Thick Elastic and Viscoelastic Tubes. I: Harmonic Response. Journal of Engineering Mechanics - ASCE, 1990, 116, 928-942.	1.6	7
100	Buckling strength of flexible cylinders with nonuniform elastic support. International Journal of Solids and Structures, 1994, 31, 3041-3058.	1.3	7
101	Use of Cavity Expansion Theory to Predict Ground Displacement during Pipe Bursting. , 2002, , 1.		7
102	Response to overburden pressure of an HDPE pipe pulled in place by pipe bursting. Canadian Geotechnical Journal, 2007, 44, 957-965.	1.4	7
103	The Flexural Behavior of Buried Steel and Composite Pipes Pulled Relative to Dense Sand: Experimental and Numerical Investigation. , 2012, , .		7
104	Evaluation and Application of the Flexural Rigidity of a Reinforced Concrete Pipe. Journal of Pipeline Systems Engineering and Practice, 2016, 7, .	0.9	7
105	Laboratory Study on Effect of Grout Choice on Culvert Rehabilitation Using Sliplining. Journal of Pipeline Systems Engineering and Practice, 2020, 11, .	0.9	7
106	Response of a polymer liner passing across a pressure pipeline joint opening under axial ground movements. Computers and Geotechnics, 2021, 139, 104429.	2.3	7
107	Buckling Strength of Polymer Liners Used in Sewer Rehabilitation. Transportation Research Record, 1996, 1541, 127-132.	1.0	7
108	Response of Buried Cylinders to Surface Loads. Journal of Geotechcnical Engineering, 1987, 113, 758-773.	0.4	6

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109	Three-dimensional response of elastic tubes. International Journal of Solids and Structures, 1990, 26, 391-400.	1.3	6
110	Analysis of rib supports for circular tunnels in elastic ground. Rock Mechanics and Rock Engineering, 1994, 27, 155-172.	2.6	6
111	Design and Implementation of Repairs to Corrugated Steel Plate Culverts. Journal of Performance of Constructed Facilities, 1995, 9, 103-116.	1.0	6
112	Nonlinear Finite Element Analysis for Thermoplastic Pipes. Transportation Research Record, 1998, 1624, 225-230.	1.0	6
113	Laboratory Investigation on the Static Response of Repaired Sewers. , 2002, , 1.		6
114	Stressâ€“strain measurements for HDPE pipe during and after simulated installation by horizontal directional drilling. Tunnelling and Underground Space Technology, 2010, 25, 773-781.	3.0	6
115	Use of Optical Fibers to Investigate Strength Limit States for Pressure Pipe Liners Spanning across Circular Perforations. Journal of Pipeline Systems Engineering and Practice, 2021, 12, .	0.9	6
116	Laboratory Investigation of the Structural Performance of a Corrugated Steel Culvert under Increasing Cover Depth. Journal of Bridge Engineering, 2021, 26, .	1.4	6
117	Finite element analysis of viscoelastic solids responding to periodic disturbances. International Journal for Numerical Methods in Engineering, 1988, 26, 1471-1483.	1.5	5
118	A two-level iterative FEM technique for rigorous solution of non-linear interaction problems under large deformations. Computers and Structures, 1996, 61, 43-54.	2.4	5
119	Effectiveness of Viscoelastic Models for Prediction of Tensile Axial Strains during Cyclic Loading of High-Density Polyethylene Pipe. Journal of Pipeline Systems Engineering and Practice, 2010, 1, 77-83.	0.9	5
120	Pipe-soil shear interaction stiffness in horizontal directional drilling and pipe bursting. Geomechanics and Geoengineering, 2010, 5, 69-77.	0.9	5
121	Axial Stress-Strain Response of HDPE from Whole Pipes and Coupons. Journal of Materials in Civil Engineering, 2011, 23, 1377-1386.	1.3	5
122	Experimental Evaluation of Internally Pressurized GFRP Pipes Subjected to Vertical Ground Slip. Journal of Composites for Construction, 2020, 24, .	1.7	5
123	Field Monitoring of a Corrugated Steel Culvert Using Multiple Sensing Technologies. Journal of Pipeline Systems Engineering and Practice, 2020, 11, .	0.9	5
124	Modelling and parametric study of a gasketed bell and spigot joint in a buried high density polyethylene pipeline. Tunnelling and Underground Space Technology, 2020, 98, 103325.	3.0	5
125	Steel buried structures: condition of Ontario structures and review of deterioration mechanisms and rehabilitation approaches. Canadian Journal of Civil Engineering, 2021, 48, 159-172.	0.7	5
126	Leakage Performance of Joints in Gravity Flow Pipes Subjected to Shear Force, Angular Misalignment, and Diameter Deformation. Journal of Testing and Evaluation, 2019, 47, 2808-2826.	0.4	5

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127	Evaluation and comparison of different detection technologies on simulated voids near buried pipes. Tunnelling and Underground Space Technology, 2022, 123, 104440.	3.0	5
128	Static Response of Deeply Buried Elliptical Tubes. Journal of Geotechcnical Engineering, 1988, 114, 672-687.	0.4	4
129	Laboratory Investigation of Local Bending in Profiled Thermoplastic Pipes. Advances in Structural Engineering, 2004, 7, 201-215.	1.2	4
130	Constitutive Model for High Density Polyethylene to Capture Strain Reversal. , 2006, , 1.		4
131	Installed Geometry of Cast-in-Place Polymer Sewer Liners. Journal of Performance of Constructed Facilities, 2007, 21, 172-176.	1.0	4
132	Longitudinal Progression of Burst Head during Pipe Bursting. Transportation Research Record, 2007, 2028, 203-210.	1.0	4
133	Beam-on-Springs Modeling of Jointed Pipe Culverts. Journal of Performance of Constructed Facilities, 2016, 30, .	1.0	4
134	Numerical techniques for design calculations of longitudinal bending in buried steel pipes subjected to lateral Earth movements. Royal Society Open Science, 2019, 6, 181550.	1.1	4
135	Distributed Strain Sensing to Study a Composite Liner for Cast Iron Water Pipe Rehabilitation. Journal of Testing and Evaluation, 2020, 48, 4283-4303.	0.4	4
136	Use of optical fibers to investigate the performance of pressure pipe liners spanning across a ring fracture. Tunnelling and Underground Space Technology, 2022, 119, 104229.	3.0	4
137	Influence of rib stiffeners on the buckling strength of elastically supported tubes. International Journal of Solids and Structures, 1990, 26, 539-547.	1.3	3
138	Sensitivity of Thermoplastic Pipe Behaviour to Profile Geometry. , 2001, , 1.		3
139	Response of Repaired Sewers Under Earthloads. Transportation Research Record, 2003, 1845, 173-181.	1.0	3
140	Behaviour of elevated concrete silos filled with saturated solids. Canadian Journal of Civil Engineering, 2006, 33, 227-239.	0.7	3
141	Analysis for Long-Term Response of Pipes Installed Using Horizontal Directional Drilling. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 432-440.	1.5	3
142	Mechanistic, Probabilistic Model to Estimate the Factor of Safety of Large-diameter Cast Iron Water Mains: Sensitivity Analysis. Procedia Engineering, 2014, 89, 1390-1396.	1.2	3
143	Using sensitivity analysis to identify the critical factors that lower the factor of safety of large-diameter cast iron mains. Urban Water Journal, 2017, 14, 685-693.	1.0	3
144	Design of Sprayed Cementitious Liners within Corrugated Steel Pipes. , 2019, , .		3

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145	Use of Optical Fibers to Investigate Strength Limit States for Pressure Pipe Liners. , 2019, , .		3
146	Flow Properties of Fresh Mud (Drilling Fluid) Used in Horizontal Directional Drilling. Journal of Pipeline Systems Engineering and Practice, 2021, 12, 04020063.	0.9	3
147	Testing and analysis of PVC liners under simulated grouting pressure. Engineering Structures, 2022, 250, 113496.	2.6	3
148	Experimental study on gasketed bell-and-spigot joint behaviour of lined-corrugated HDPE pipe subjected to normal fault. Geotechnique, 2023, 73, 798-810.	2.2	3
149	New design equation for maximum allowable mud pressure in sand during horizontal Directional drilling. Tunnelling and Underground Space Technology, 2022, 126, 104543.	3.0	3
150	Analytical Theory for Buried Tube Postbuckling. Journal of Engineering Mechanics - ASCE, 1985, 111, 936-951.	1.6	2
151	Evaluation of Simplified Design Methods for Buried Thermoplastic Pipe. , 2002, , 1.		2
152	Biaxial Testing to Investigate Soil-Pipe Interaction of Buried Fiber-Reinforced Cement Pipe. Transportation Research Record, 2004, 1868, 169-174.	1.0	2
153	Response of Bell and Spigot Joints in Culverts under Vehicle Load. , 2013, , .		2
154	Structural Design Equations for Bell and Spigot Joints in Culverts under Vehicle Load. , 2013, , .		2
155	Development of a Sustainability Evaluation System for Culvert Replacement and Rehabilitation Projects. Journal of Pipeline Systems Engineering and Practice, 2018, 9, 04018004.	0.9	2
156	Modeling and Parametric Study of Gasketed Bell and Spigot Joint in Buried RC Pipeline. Journal of Pipeline Systems Engineering and Practice, 2019, 10, .	0.9	2
157	Experimental investigation examining influence of pump rates on horizontal borehole stability in sand. Tunnelling and Underground Space Technology, 2022, 127, 104608.	3.0	2
158	Vibration of Thick Elastic and Viscoelastic Tubes. II: Response to Patch Loading. Journal of Engineering Mechanics - ASCE, 1990, 116, 943-951.	1.6	1
159	Closure to â€œ Elastic Buckling of Buried Flexible Tubesâ€”A Review of Theory and Experiment â€•by Ian D. Moore (March, 1989, Vol. 115, No. 3). Journal of Geotechcnical Engineering, 1991, 117, 1103-1108.	0.4	1
160	Nonlinear interaction of solids with rigid surfaces. Computers and Structures, 1992, 43, 85-91.	2.4	1
161	A Comparative Study Between Lateral and Upward Anchor-Soil and Pipe-Soil Interaction in Dense Sand. , 2016, , .		1
162	Experimental Study of a Noncircular Corrugated Steel Culvert at Different Shallow Cover Depths. , 2021, , .		1

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163	Effect of Erosion Voids on Rigid Sewers of Non-Circular Shape. , 2021, , .		1
164	Discussion of â€œ Local Buckling of Tubes in Elastic Continuum â€•by James A. Cheney (January, 1991, Vol.) Tj ETQq0 0 0 rgBT /Overloc	1.6	0
165	Spurious bifurcation modes for cohesive solids under uniform stress. International Journal for Numerical and Analytical Methods in Geomechanics, 1992, 16, 439-451.	1.7	0
166	Discussion: Buckling of Encased Elliptic Thin Ring. Journal of Engineering Mechanics - ASCE, 1997, 123, 646-647.	1.6	0
167	Discussion and Closure: Basics of Flexible Pipe Structural Design. Journal of Transportation Engineering, 1997, 123, 169-170.	0.9	0
168	Development of a Methodology to Predict the Failure of Large-Diameter Cast Iron Water Mains. , 2014, , .		0
169	Closure to â€œBehavior of Coupling Band Joints in Buried Corrugated Steel Pipelinesâ€•by David Becerril GarcÃa and Ian D. Moore. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, 07014043.	1.5	0
170	Closure to â€œEffect of Deterioration on the Performance of Corrugated Steel Culvertsâ€•by Van Thien Mai, Neil A. Hoult, and Ian D. Moore. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, 07014041.	1.5	0
171	New Deep Burial Testing Facility at Queenâ€™s University. , 2018, , .		0
172	Results of a Full-Scale Fault-Offset Test on a Glass Fiber Reinforced Polymer Pipe. , 2018, , .		0
173	Axial Response of HDPE Pipes as a Result of Installation by Directional Drilling. Journal of ASTM International, 2011, 8, 1-10.	0.2	0
174	Preventing Joint Leakage in Pipelines Subjected to Differential Settlement. , 2022, , .		0