

# Jayantha Kumarasiri Kodikara

## List of Publications by Year in descending order

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Version: 2024-02-01

160  
papers

3,554  
citations

126708

33  
h-index

189595

50  
g-index

162  
all docs

162  
docs citations

162  
times ranked

2547  
citing authors

#	ARTICLE	IF	CITATIONS
1	Salient factors controlling desiccation cracking of clay in laboratory experiments. <i>Geotechnique</i> , 2013, 63, 18-29.	2.2	148
2	A study on desiccation cracking behavior of polyester fiber-reinforced expansive clay. <i>Applied Clay Science</i> , 2017, 142, 163-172.	2.6	122
3	A cohesive damage-plasticity model for DEM and its application for numerical investigation of soft rock fracture properties. <i>International Journal of Plasticity</i> , 2017, 98, 175-196.	4.1	101
4	Effect of Water Saturation on the Fracture and Mechanical Properties of Sedimentary Rocks. <i>Rock Mechanics and Rock Engineering</i> , 2017, 50, 2585-2600.	2.6	99
5	Effect of 2D spatial variability on slope reliability: A simplified FORM analysis. <i>Geoscience Frontiers</i> , 2018, 9, 1631-1638.	4.3	98
6	Reliability-based design for geotechnical engineering: An inverse FORM approach for practice. <i>Computers and Geotechnics</i> , 2019, 111, 22-29.	2.3	98
7	A review of coal properties pertinent to carbon dioxide sequestration in coal seams: with special reference to Victorian brown coals. <i>Environmental Earth Sciences</i> , 2011, 64, 223-235.	1.3	91
8	Modelling the dynamic failure of brittle rocks using a hybrid continuum-discrete element method with a mixed-mode cohesive fracture model. <i>International Journal of Impact Engineering</i> , 2016, 87, 146-155.	2.4	87
9	Numerical modelling of laboratory soil desiccation cracking using UDEC with a mix-mode cohesive fracture model. <i>Engineering Geology</i> , 2016, 202, 14-23.	2.9	79
10	New framework for volumetric constitutive behaviour of compacted unsaturated soils. <i>Canadian Geotechnical Journal</i> , 2012, 49, 1227-1243.	1.4	71
11	Review of soil compaction: History and recent developments. <i>Transportation Geotechnics</i> , 2018, 17, 24-34.	2.0	68
12	Distributed Optical Fibre Sensors and their Applications in Pipeline Monitoring. <i>Key Engineering Materials</i> , 0, 558, 424-434.	0.4	66
13	Probabilistic physical modelling of corroded cast iron pipes for lifetime prediction. <i>Structural Safety</i> , 2017, 64, 62-75.	2.8	63
14	Numerical analysis of an experimental pipe buried in swelling soil. <i>Computers and Geotechnics</i> , 2011, 38, 897-904.	2.3	62
15	Prediction of stress concentration factor of corrosion pits on buried pipes by least squares support vector machine. <i>Engineering Failure Analysis</i> , 2015, 55, 131-138.	1.8	62
16	Distributed fiber optic sensors for monitoring pressure and stiffness changes in out-of-round pipes. <i>Structural Control and Health Monitoring</i> , 2016, 23, 303-314.	1.9	54
17	Analytical modelling of gas leakage rate through a geosynthetic clay linerâ€“geomembrane composite liner due to a circular defect in the geomembrane. <i>Geotextiles and Geomembranes</i> , 2008, 26, 122-129.	2.3	53
18	A discrete element modelling approach for fatigue damage growth in cemented materials. <i>International Journal of Plasticity</i> , 2019, 112, 68-88.	4.1	49

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19	An application of a cohesive fracture model combining compression, tension and shear in soft rocks. <i>Computers and Geotechnics</i> , 2015, 66, 142-157.	2.3	48
20	Revealing Expansion Mechanism of Cement-Stabilized Expansive Soil with Different Interlayer Cations through Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14672-14684.	1.5	47
21	New Observations on the Application of LS-SVM in Slope System Reliability Analysis. <i>Journal of Computing in Civil Engineering</i> , 2017, 31, .	2.5	45
22	Modelling 3D desiccation cracking in clayey soils using a size-dependent SPH computational approach. <i>Computers and Geotechnics</i> , 2019, 116, 103209.	2.3	44
23	Sustainable pavement construction: A systematic literature review of environmental and economic analysis of recycled materials. <i>Journal of Cleaner Production</i> , 2021, 313, 127936.	4.6	44
24	Soil moisture monitoring at the field scale using neutron probe. <i>Canadian Geotechnical Journal</i> , 2014, 51, 332-345.	1.4	43
25	Ground-atmosphere interaction modelling for long-term prediction of soil moisture and temperature. <i>Canadian Geotechnical Journal</i> , 2012, 49, 1059-1073.	1.4	42
26	A thermodynamics-based cohesive model for discrete element modelling of fracture in cemented materials. <i>International Journal of Solids and Structures</i> , 2017, 117, 159-176.	1.3	42
27	Stabilisation of clayey soils with industrial by-products: part A. <i>Proceedings of the Institution of Civil Engineers: Ground Improvement</i> , 2010, 163, 149-163.	0.7	40
28	Equation to predict maximum pipe stress incorporating internal and external loadings on buried pipes. <i>Canadian Geotechnical Journal</i> , 2016, 53, 1315-1331.	1.4	40
29	Effects of confining pressure and water content on performance of unsaturated compacted clay under repeated loading. <i>Geotechnique</i> , 2013, 63, 628-640.	2.2	39
30	Theoretical analysis of desiccation crack spacing of a thin, long soil layer. <i>Acta Geotechnica</i> , 2018, 13, 39-49.	2.9	39
31	Improvement of Problematic Soils by Lime Slurry Pressure Injection: Case Study. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010, 136, 1459-1468.	1.5	38
32	Application of coal fly ash in pavement subgrade stabilisation: A review. <i>Journal of Environmental Management</i> , 2022, 312, 114926.	3.8	38
33	Prediction of swelling pressure of expansive soil using an improved molecular dynamics approach combining diffuse double layer theory. <i>Applied Clay Science</i> , 2021, 203, 105998.	2.6	36
34	A void ratio - water content - net stress model for environmentally stabilized expansive soils. <i>Canadian Geotechnical Journal</i> , 2011, 48, 867-877.	1.4	35
35	Leak Detection in Water Pipes Using Submersible Optical Optic-Based Pressure Sensor. <i>Sensors</i> , 2018, 18, 4192.	2.1	34
36	Characterisation of geotextiles water retention using a modified capillary pressure cell. <i>Geotextiles and Geomembranes</i> , 2007, 25, 186-193.	2.3	33

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37	Mechanical Properties of Reconstituted Australian Black Coal. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 980-985.	1.5	32
38	Impact of compaction method on mechanical characteristics of unbound granular recycled materials. Road Materials and Pavement Design, 2018, 19, 912-934.	2.0	32
39	Modeling of Moisture Loss in Cementitiously Stabilized Pavement Materials. International Journal of Geomechanics, 2005, 5, 295-303.	1.3	31
40	Influence of joint anisotropy on the fracturing behavior of a sedimentary rock. Engineering Geology, 2017, 228, 224-237.	2.9	31
41	A DEM approach to study desiccation processes in slurry soils. Computers and Geotechnics, 2020, 120, 103448.	2.3	31
42	On the optimum soil moisture for underground corrosion in different soil types. Corrosion Science, 2019, 159, 108116.	3.0	29
43	Use of Material Interfaces in DEM to Simulate Soil Fracture Propagation in Mode I Cracking. International Journal of Geomechanics, 2011, 11, 314-322.	1.3	28
44	Correlating the Mechanical and Physical Properties with Mode-I Fracture Toughness of Rocks. Rock Mechanics and Rock Engineering, 2017, 50, 1941-1946.	2.6	28
45	Early-Age Fatigue Damage Assessment of Cement-Treated Bases under Repetitive Heavy Traffic Loading. Journal of Materials in Civil Engineering, 2018, 30, .	1.3	28
46	Basaltic Crushed Rock Stabilized with Cementitious Additives: Compressive Strength and Stiffness, Drying Shrinkage, and Capillary Flow Characteristics. Transportation Research Record, 2003, 1819, 18-26.	1.0	26
47	A simplified analytical model for predicting the shear behaviour of regular triangular rock/concrete joints under constant normal stiffness. Geotechnique, 2012, 62, 171-176.	2.2	26
48	Fatigue Damage Monitoring of a Composite Step Lap Joint Using Distributed Optical Fibre Sensors. Materials, 2016, 9, 374.	1.3	24
49	Monitoring of Pressure Transients in Water Supply Networks. Water Resources Management, 2016, 30, 471-485.	1.9	24
50	Probabilistic failure investigation of small diameter cast iron pipelines for water distribution. Engineering Failure Analysis, 2020, 108, 104239.	1.8	24
51	Field performance of in-service cast iron water reticulation pipe buried in reactive clay. Canadian Geotechnical Journal, 2015, 52, 1861-1873.	1.4	23
52	Interpretation of the loading-wetting behaviour of compacted soils within the "MPK" framework. Part I: Static compaction. Canadian Geotechnical Journal, 2016, 53, 783-805.	1.4	23
53	Advanced Characteristics of Cement-Treated Materials with respect to Strength Performance and Damage Evolution. Journal of Materials in Civil Engineering, 2017, 29, .	1.3	22
54	Determination of thermal diffusivity of soil using infrared thermal imaging. Canadian Geotechnical Journal, 2011, 48, 1295-1302.	1.4	21

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55	Evaluation of flexural behaviour of cemented pavement material beams using distributed fibre optic sensors. <i>Construction and Building Materials</i> , 2017, 156, 965-975.	3.2	21
56	Using distributed optical fibre sensor to enhance structural health monitoring of a pipeline subjected to hydraulic transient excitation. <i>Structural Health Monitoring</i> , 2018, 17, 298-312.	4.3	21
57	A generalised constitutive model for unsaturated compacted soils considering wetting/drying cycles and environmentally-stabilised line. <i>Computers and Geotechnics</i> , 2020, 118, 103332.	2.3	21
58	Analysis of tension development in geomembranes placed on landfill slopes. <i>Geotextiles and Geomembranes</i> , 2000, 18, 47-61.	2.3	20
59	Fatigue Damage Monitoring of a Cast Iron Pipeline Using Distributed Optical Fibre Sensors. <i>Procedia Engineering</i> , 2017, 188, 293-300.	1.2	20
60	Shrinkage behaviour of crushed basaltic rock and residual clay mixture stabilized with cementitious binders. <i>International Journal of Pavement Engineering</i> , 2005, 6, 27-37.	2.2	19
61	Stabilisation of clayey soils with industrial by-products: part B. <i>Proceedings of the Institution of Civil Engineers: Ground Improvement</i> , 2010, 163, 165-172.	0.7	19
62	Interpretation of the loading-wetting behaviour of compacted soils within the "MPK" framework. Part II: Dynamic compaction. <i>Canadian Geotechnical Journal</i> , 2016, 53, 806-827.	1.4	19
63	Numerical interpretation of pressurized corroded cast iron pipe tests. <i>International Journal of Mechanical Sciences</i> , 2017, 128-129, 116-124.	3.6	19
64	Soil curling process and its influencing factors. <i>Canadian Geotechnical Journal</i> , 2020, 57, 408-422.	1.4	19
65	Field studies of the leachability of aged brown coal ash. <i>Journal of Hazardous Materials</i> , 2000, 76, 159-192.	6.5	18
66	Introduction of the leak-before-break (LBB) concept for cast iron water pipes on the basis of laboratory experiments. <i>Urban Water Journal</i> , 2017, 14, 820-828.	1.0	18
67	Determination of the State of Strain of Large Floating Covers Using Unmanned Aerial Vehicle (UAV) Aided Photogrammetry. <i>Sensors</i> , 2017, 17, 1731.	2.1	18
68	Comparative life cycle assessment of reprocessed plastics and commercial polymer modified asphalts. <i>Journal of Cleaner Production</i> , 2022, 337, 130464.	4.6	17
69	Modeling of Moisture Diffusion in Crushed Basaltic Rock Stabilized with Cementitious Binders. <i>Journal of Materials in Civil Engineering</i> , 2005, 17, 703-710.	1.3	16
70	Direct tensile failure of cementitiously stabilized crushed rock materials. <i>Canadian Geotechnical Journal</i> , 2007, 44, 231-240.	1.4	16
71	Numerical modelling of desiccation cracking in a restrained ring test. <i>Canadian Geotechnical Journal</i> , 2014, 51, 67-76.	1.4	16
72	An application of breakage mechanics for predicting energy-size reduction relationships in comminution. <i>Powder Technology</i> , 2016, 287, 121-130.	2.1	16

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73	Numerical Simulation of Pressure Transients in Water Supply Networks as Applicable to Critical Water Pipe Asset Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, .	1.3	16
74	Evaluation of J Integral for Clay Soils Using a New Ring Test. <i>Geotechnical Testing Journal</i> , 2012, 35, 104271.	0.5	16
75	Centrifuge model studies on desiccation cracking behaviour of fiber-reinforced expansive clay. <i>Geotextiles and Geomembranes</i> , 2022, 50, 480-497.	2.3	16
76	A state-of-the-art review of compaction control test methods and intelligent compaction technology for asphalt pavements. <i>Road Materials and Pavement Design</i> , 2023, 24, 1-30.	2.0	16
77	Theoretical p-y Curves for Laterally Loaded Single Piles in Undrained Clay Using Bezier Curves. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010, 136, 265-268.	1.5	15
78	A novel unified model for volumetric hardening and water retention in unsaturated soils. <i>Computers and Geotechnics</i> , 2021, 140, 104446.	2.3	15
79	A New Method for Developing Equations Applied to the Water Retention Curve. <i>Soil Science Society of America Journal</i> , 2012, 76, 806-814.	1.2	13
80	Finite element solution for static and dynamic interactions of cylindrical rigid objects and unsaturated granular soils. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 384, 113974.	3.4	13
81	Numerical evaluation of side resistance of tapered piles in mudstone. <i>Geotechnique</i> , 2006, 56, 505-510.	2.2	12
82	Estimating apparent thermal diffusivity of soil using field temperature time series. <i>Geomechanics and Geoengineering</i> , 2016, 11, 28-46.	0.9	12
83	Analysis of failure initiation in corroded cast iron pipes under cyclic loading due to formation of through-wall cracks. <i>Engineering Failure Analysis</i> , 2019, 103, 238-248.	1.8	12
84	Experimental characterisation of fatigue damage in foamed bitumen stabilised materials using dissipated energy approach. <i>Construction and Building Materials</i> , 2019, 216, 1-10.	3.2	12
85	Hydromechanical behaviour of overconsolidated unsaturated soil in undrained conditions. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1609-1621.	1.4	12
86	Field Performance of In-Service Cast Iron Gas Reticulation Pipe Buried in Reactive Clay. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2016, 7, .	0.9	11
87	Impact of Compaction Methods on Resilient Response of Unsaturated Granular Pavement Material. <i>Procedia Engineering</i> , 2016, 143, 323-330.	1.2	11
88	Utilising hydraulic transient excitation for fatigue crack monitoring of a cast iron pipeline using optical distributed sensing. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2141.	1.9	11
89	Discrete element method investigation of particle size distribution effects on the flexural properties of cement-treated base. <i>Computers and Geotechnics</i> , 2019, 113, 103096.	2.3	11
90	The Use of Restrained Ring Test Method for Soil Desiccation Studies. <i>Geotechnical Testing Journal</i> , 2015, 38, 98-112.	0.5	11

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91	Modeling and Laboratory Assessment of Capillary Rise in Stabilized Pavement Materials. Transportation Research Record, 2004, 1868, 3-13.	1.0	10
92	Stabilization of Crushed Basaltic Rocks and Clay Mixtures Using Cementitious Additives. Journal of Materials in Civil Engineering, 2005, 17, 432-439.	1.3	10
93	Determination of $\alpha$ -integral for clay during desiccation. Environmental Geotechnics, 2016, 3, 372-378.	1.3	10
94	Classification of major cohorts of Australian pressurised cast iron water mains for pipe renewal. Australian Journal of Water Resources, 2017, 21, 77-88.	1.6	10
95	Remote Monitoring of Floating Covers Using UAV Photogrammetry. Remote Sensing, 2020, 12, 1118.	1.8	10
96	An idealized framework for the analysis of cohesive soils undergoing desiccation: Discussion. Canadian Geotechnical Journal, 1998, 35, 1112-1114.	1.4	9
97	Experimental evaluation of bursting capacity of corroded grey cast iron water pipeline. Structure and Infrastructure Engineering, 2017, 13, 1553-1562.	2.0	9
98	Estimation of the Short-Term Probability of Failure in Water Mains. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	1.3	9
99	Large-scale experimental evaluation of soil saturation effect on behaviour of buried pipes under operational loads. Canadian Geotechnical Journal, 2020, 57, 205-220.	1.4	9
100	Influence of different strain rates on hydro-mechanical behaviour of reconstituted unsaturated soil. Acta Geotechnica, 2020, 15, 3415-3431.	2.9	9
101	Failure assessment of reinforced rock slopes subjected to bolt corrosion considering correlated multiple failure modes. Computers and Geotechnics, 2021, 132, 104029.	2.3	9
102	Performance of field-aged polymeric spray lining for water pipe rehabilitation. Tunnelling and Underground Space Technology, 2021, 116, 104116.	3.0	9
103	Lessons Learned from Large-Diameter Pipe Failure Case Studies. , 2017, , .		8
104	Isotropic volumetric behaviour of compacted unsaturated soils within specific volume, specific water volume, mean net stress ( $v$ , $v_w$ , $p$ ) space. Canadian Geotechnical Journal, 2019, 56, 1756-1778.	1.4	8
105	Evaluation of unbound/subgrade material rutting and resilient behaviour based on initial density and saturation degree. Transportation Geotechnics, 2022, 35, 100782.	2.0	8
106	Evaluation of engineering properties for the use of leached brown coal ash in soil covers. Journal of Hazardous Materials, 2007, 139, 409-412.	6.5	7
107	Recognizing Patterns in Seasonal Variation of Pavement Roughness Using Minimum Message Length Inference. Computer-Aided Civil and Infrastructure Engineering, 2009, 24, 120-129.	6.3	7
108	Implicit integration of simple breakage constitutive model for crushable granular materials: A numerical test. Computers and Geotechnics, 2017, 82, 43-53.	2.3	7

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109	Theory-guided machine learning to predict density evolution of sand dynamically compacted under Ko condition. <i>Acta Geotechnica</i> , 2022, 17, 3479-3497.	2.9	7
110	Effects of operational loads on buried water pipes using field tests. <i>Tunnelling and Underground Space Technology</i> , 2022, 124, 104463.	3.0	7
111	Predicting pipeline corrosion in heterogeneous soils using numerical modelling and artificial neural networks. <i>Acta Geotechnica</i> , 2022, 17, 1463-1476.	2.9	6
112	Discussion: Response of a plastic pipe buried in expansive clay. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2013, 166, 328-330.	0.9	5
113	Effect of Cement on the Engineering Properties of Pavement Materials. <i>Materials Science Forum</i> , 0, 866, 31-36.	0.3	5
114	Hyperbolic constitutive model to study cast iron pipes in 3-D nonlinear finite element analyses. <i>Engineering Failure Analysis</i> , 2017, 75, 26-36.	1.8	5
115	Some Studies on Desiccation Cracking of Fiber-Reinforced Expansive Clay Subjected to Drying and Wetting Cycles. , 2018, , .		5
116	Experimental and Numerical Investigation of Flexural Behavior of Cemented Granular Materials. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	1.3	5
117	Equations for gap-spanning design of underground cast iron pipes lined with thermosetting polymeric liners. <i>Tunnelling and Underground Space Technology</i> , 2022, 119, 104234.	3.0	5
118	Numerical evaluation of temporal moisture variations in unbound pavements with thin seals. <i>Transportation Geotechnics</i> , 2022, 35, 100787.	2.0	5
119	Evaluation of the performance of a breakage model for high porosity Haubourdin chalk. <i>Computers and Geotechnics</i> , 2017, 90, 113-119.	2.3	4
120	Leak-before-break in cast iron mains: a failure analysis of a catastrophic pipe burst on Harris Street, Sydney. <i>Water Practice and Technology</i> , 2017, 12, 487-494.	1.0	4
121	Modeling Failures in Water Mains Using the Minimum Monthly Antecedent Precipitation Index. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, .	1.3	4
122	Cyclic loading response of offshore pipelines using simple shear tests. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 130, 105991.	1.9	4
123	Strain Monitoring Strategy of Deformed Membrane Cover Using Unmanned Aerial Vehicle-Assisted 3D Photogrammetry. <i>Remote Sensing</i> , 2020, 12, 2738.	1.8	4
124	Quasi-Active Thermal Imaging of Large Floating Covers Using Ambient Solar Energy. <i>Remote Sensing</i> , 2020, 12, 3455.	1.8	4
125	Field evaluation of in-service buried pipeline using robust instrumentation. <i>Transportation Geotechnics</i> , 2020, 24, 100376.	2.0	4
126	Using damage evaluation to assess the fatigue behaviour of cement-treated base material from laboratory and full-scale performance tests. <i>Transportation Geotechnics</i> , 2021, 26, 100440.	2.0	4

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127	Detection of Defects in Geomembranes Using Quasi-Active Infrared Thermography. <i>Sensors</i> , 2021, 21, 5365.	2.1	4
128	On controlling influence of the line of optimums on the compacted clayey soil behavior. , 2014, , 219-225.		4
129	Contribution of Cement Mortar Lining to Structural Capacity of Cast Iron Water Mains. <i>ACI Materials Journal</i> , 2016, 113, .	0.3	4
130	Dynamic Modulus Measurements of Bound Cement-Treated Base Materials. <i>Geotechnical Testing Journal</i> , 2015, 38, 20140233.	0.5	4
131	Prediction of average in-depth temperature of asphalt pavement using surface temperature measured during intelligent compaction. <i>International Journal of Pavement Engineering</i> , 2023, 24, .	2.2	4
132	Factors Affecting Cementitious Stabilization in a Range of Geo-Environments. , 2006, , 323.		3
133	Using water hammer to enhance the detection of stiffness changes on an out-of-round pipe with distributed optical-fibre sensing. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1975.	1.9	3
134	Numerical Study of Particle Size Distribution Effect on the Failure of Asphalt Mixtures Using Discrete Element Method. , 2017, , .		3
135	New Laboratory Test Facility Developed to Investigate the Leak-Before-Break Window of Large-Diameter Cast Iron Water Pipes. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2018, 9, 04018010.	0.9	3
136	Structural Assessment of Large Membrane Structures Using an Unmanned Aerial Vehicle Aided Photogrammetry: Determination of Flight Parameters and Trials at the Western Treatment Plant. <i>Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems</i> , 2019, 2, .	0.7	3
137	Flexural behaviour evaluation on foamed bitumen stabilised pavement beams using fibre optic sensors. <i>International Journal of Pavement Engineering</i> , 2022, 23, 1675-1690.	2.2	2
138	A model of stress concentration factors for external corrosion patches on large-diameter underground cast iron pipes. <i>Sustainable and Resilient Infrastructure</i> , 2020, , 1-12.	1.7	2
139	Corrosion of cast iron pipelines buried in Fraser River silt subject to climate-induced moisture variations. <i>Acta Geotechnica</i> , 2021, 16, 873-884.	2.9	2
140	A numerical investigation and probabilistic analysis of excavation earth retaining wall instability caused by underground pipeline leakage. <i>Computers and Geotechnics</i> , 2021, 139, 104431.	2.3	2
141	Failure Prevention of Large-Diameter Cast Iron Water Pipes Using Leak-Before-Break Concept. <i>Lecture Notes in Civil Engineering</i> , 2020, , 677-687.	0.3	2
142	Inferring highly corroded buried pipeline locations through saturated soil resistivity information. <i>Journal of Pipeline Science and Engineering</i> , 2022, 2, 60-70.	2.4	2
143	An equation for hole-spanning design of underground cast iron pipes lined with polymeric liners. <i>Tunnelling and Underground Space Technology</i> , 2022, 123, 104435.	3.0	2
144	Long-Term Properties of Cured-in-Place Pipe Liner Material. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	1.3	2

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145	Advanced characterisation of flexural fatigue performance of foamed bitumen stabilised pavement materials. <i>Construction and Building Materials</i> , 2022, 341, 127881.	3.2	2
146	Chapter 15 Performance evaluation of road pavements stabilised in situ. <i>Elsevier Geo-Engineering Book Series</i> , 2005, 3, 409-443.	0.0	1
147	Driving Forces and Transportation Efficiency in Water Transportation Through Single-Walled Carbon Nanotubes. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2012, 3, .	0.8	1
148	Undrained Load-Displacement Behavior of Partially Embedded Pipeline on Seabed. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2016, 7, 04015016.	0.9	1
149	Modelling and testing of optimum soil moisture levels in the corrosion of underground pipelines. <i>E3S Web of Conferences</i> , 2019, 92, 16002.	0.2	1
150	A volumetric yield surface for compacted soils based on constant water content testing. <i>E3S Web of Conferences</i> , 2019, 92, 15008.	0.2	1
151	Thermographic Monitoring of Scum Accumulation beneath Floating Covers. <i>Remote Sensing</i> , 2021, 13, 4857.	1.8	1
152	Discussion of "Mechanism Controlling Permeability Change in Clays due to Changes in Pore Fluid" by A. Anandarajah. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2004, 130, 449-450.	1.5	0
153	Discussion of "Rate of Capillary Rise in Soil" by N. Lu and W. J. Likos. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2006, 132, 280-280.	1.5	0
154	Identifying the Effects of Soil and Climate Types on Seasonal Variation of Pavement Roughness Using MML Inference. <i>Journal of Computing in Civil Engineering</i> , 2008, 22, 90-99.	2.5	0
155	A Practical HLRF Algorithm for Slope Reliability Analysis. , 2017, , .		0
156	An integrated conceptual approach for the monitoring and modelling of geo-structures subjected to climatic loading. <i>Physics and Chemistry of the Earth</i> , 2019, 114, 102798.	1.2	0
157	Evolution of the soil water retention curve based on plastic volumetric strain. <i>E3S Web of Conferences</i> , 2020, 195, 02016.	0.2	0
158	Application of a Generalised MPK Model with Data Fusion Approaches for Landslide Risk Assessment. <i>Springer Series in Geomechanics and Geoengineering</i> , 2020, , 635-643.	0.0	0
159	Characterisation of Laboratory and Field Foamed Bitumen Stabilised Beams from Accelerated Pavement Testing Trial. <i>Lecture Notes in Civil Engineering</i> , 2020, , 118-126.	0.3	0
160	Reliability based failure assessment of deteriorated cast iron pipes lined with polymeric liners. <i>Structure and Infrastructure Engineering</i> , 2023, 19, 1516-1529.	2.0	0