

Jayantha Kumarasiri Kodikara

List of Publications by Year in descending order

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Version: 2024-02-01

160
papers

3,554
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126907

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189892

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162
docs citations

162
times ranked

2547
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Reliability based failure assessment of deteriorated cast iron pipes lined with polymeric liners. Structure and Infrastructure Engineering, 2023, 19, 1516-1529. | 3.7 | 0 |
| 2 | A state-of-the-art review of compaction control test methods and intelligent compaction technology for asphalt pavements. Road Materials and Pavement Design, 2023, 24, 1-30. | 4.0 | 16 |
| 3 | Prediction of average in-depth temperature of asphalt pavement using surface temperature measured during intelligent compaction. International Journal of Pavement Engineering, 2023, 24, . | 4.4 | 4 |
| 4 | Flexural behaviour evaluation on foamed bitumen stabilised pavement beams using fibre optic sensors. International Journal of Pavement Engineering, 2022, 23, 1675-1690. | 4.4 | 2 |
| 5 | Equations for gap-spanning design of underground cast iron pipes lined with thermosetting polymeric liners. Tunnelling and Underground Space Technology, 2022, 119, 104234. | 6.2 | 5 |
| 6 | Comparative life cycle assessment of reprocessed plastics and commercial polymer modified asphalts. Journal of Cleaner Production, 2022, 337, 130464. | 9.3 | 17 |
| 7 | Theory-guided machine learning to predict density evolution of sand dynamically compacted under Ko condition. Acta Geotechnica, 2022, 17, 3479-3497. | 5.7 | 7 |
| 8 | Inferring highly corroded buried pipeline locations through saturated soil resistivity information. Journal of Pipeline Science and Engineering, 2022, 2, 60-70. | 4.8 | 2 |
| 9 | An equation for hole-spanning design of underground cast iron pipes lined with polymeric liners. Tunnelling and Underground Space Technology, 2022, 123, 104435. | 6.2 | 2 |
| 10 | Application of coal fly ash in pavement subgrade stabilisation: A review. Journal of Environmental Management, 2022, 312, 114926. | 7.8 | 38 |
| 11 | Effects of operational loads on buried water pipes using field tests. Tunnelling and Underground Space Technology, 2022, 124, 104463. | 6.2 | 7 |
| 12 | Centrifuge model studies on desiccation cracking behaviour of fiber-reinforced expansive clay. Geotextiles and Geomembranes, 2022, 50, 480-497. | 4.6 | 16 |
| 13 | Predicting pipeline corrosion in heterogeneous soils using numerical modelling and artificial neural networks. Acta Geotechnica, 2022, 17, 1463-1476. | 5.7 | 6 |
| 14 | Long-Term Properties of Cured-in-Place Pipe Liner Material. Journal of Materials in Civil Engineering, 2022, 34, . | 2.9 | 2 |
| 15 | Evaluation of unbound/subgrade material rutting and resilient behaviour based on initial density and saturation degree. Transportation Geotechnics, 2022, 35, 100782. | 4.5 | 8 |
| 16 | Advanced characterisation of flexural fatigue performance of foamed bitumen stabilised pavement materials. Construction and Building Materials, 2022, 341, 127881. | 7.2 | 2 |
| 17 | Numerical evaluation of temporal moisture variations in unbound pavements with thin seals. Transportation Geotechnics, 2022, 35, 100787. | 4.5 | 5 |
| 18 | Using damage evaluation to assess the fatigue behaviour of cement-treated base material from laboratory and full-scale performance tests. Transportation Geotechnics, 2021, 26, 100440. | 4.5 | 4 |

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|----|--|-----|-----------|
| 19 | Corrosion of cast iron pipelines buried in Fraser River silt subject to climate-induced moisture variations. <i>Acta Geotechnica</i> , 2021, 16, 873-884. | 5.7 | 2 |
| 20 | 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. | 5.2 | 36 |
| 21 | Failure assessment of reinforced rock slopes subjected to bolt corrosion considering correlated multiple failure modes. <i>Computers and Geotechnics</i> , 2021, 132, 104029. | 4.7 | 9 |
| 22 | Detection of Defects in Geomembranes Using Quasi-Active Infrared Thermography. <i>Sensors</i> , 2021, 21, 5365. | 3.8 | 4 |
| 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. | 9.3 | 44 |
| 24 | Performance of field-aged polymeric spray lining for water pipe rehabilitation. <i>Tunnelling and Underground Space Technology</i> , 2021, 116, 104116. | 6.2 | 9 |
| 25 | 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. | 6.6 | 13 |
| 26 | 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. | 4.7 | 2 |
| 27 | A novel unified model for volumetric hardening and water retention in unsaturated soils. <i>Computers and Geotechnics</i> , 2021, 140, 104446. | 4.7 | 15 |
| 28 | Thermographic Monitoring of Scum Accumulation beneath Floating Covers. <i>Remote Sensing</i> , 2021, 13, 4857. | 4.0 | 1 |
| 29 | Soil curling process and its influencing factors. <i>Canadian Geotechnical Journal</i> , 2020, 57, 408-422. | 2.8 | 19 |
| 30 | Large-scale experimental evaluation of soil saturation effect on behaviour of buried pipes under operational loads. <i>Canadian Geotechnical Journal</i> , 2020, 57, 205-220. | 2.8 | 9 |
| 31 | Cyclic loading response of offshore pipelines using simple shear tests. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 130, 105991. | 3.8 | 4 |
| 32 | Probabilistic failure investigation of small diameter cast iron pipelines for water distribution. <i>Engineering Failure Analysis</i> , 2020, 108, 104239. | 4.0 | 24 |
| 33 | A generalised constitutive model for unsaturated compacted soils considering wetting/drying cycles and environmentally-stabilised line. <i>Computers and Geotechnics</i> , 2020, 118, 103332. | 4.7 | 21 |
| 34 | Influence of different strain rates on hydro-mechanical behaviour of reconstituted unsaturated soil. <i>Acta Geotechnica</i> , 2020, 15, 3415-3431. | 5.7 | 9 |
| 35 | 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. | 2.8 | 2 |
| 36 | Strain Monitoring Strategy of Deformed Membrane Cover Using Unmanned Aerial Vehicle-Assisted 3D Photogrammetry. <i>Remote Sensing</i> , 2020, 12, 2738. | 4.0 | 4 |

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|----|--|-----|-----------|
| 37 | Evolution of the soil water retention curve based on plastic volumetric strain. E3S Web of Conferences, 2020, 195, 02016. | 0.5 | 0 |
| 38 | Quasi-Active Thermal Imaging of Large Floating Covers Using Ambient Solar Energy. Remote Sensing, 2020, 12, 3455. | 4.0 | 4 |
| 39 | Field evaluation of in-service buried pipeline using robust instrumentation. Transportation Geotechnics, 2020, 24, 100376. | 4.5 | 4 |
| 40 | Revealing Expansion Mechanism of Cement-Stabilized Expansive Soil with Different Interlayer Cations through Molecular Dynamics Simulations. Journal of Physical Chemistry C, 2020, 124, 14672-14684. | 3.1 | 47 |
| 41 | A DEM approach to study desiccation processes in slurry soils. Computers and Geotechnics, 2020, 120, 103448. | 4.7 | 31 |
| 42 | Remote Monitoring of Floating Covers Using UAV Photogrammetry. Remote Sensing, 2020, 12, 1118. | 4.0 | 10 |
| 43 | Failure Prevention of Large-Diameter Cast Iron Water Pipes Using Leak-Before-Break Concept. Lecture Notes in Civil Engineering, 2020, , 677-687. | 0.4 | 2 |
| 44 | Application of a Generalised MPK Model with Data Fusion Approaches for Landslide Risk Assessment. Springer Series in Geomechanics and Geoengineering, 2020, , 635-643. | 0.1 | 0 |
| 45 | Characterisation of Laboratory and Field Foamed Bitumen Stabilised Beams from Accelerated Pavement Testing Trial. Lecture Notes in Civil Engineering, 2020, , 118-126. | 0.4 | 0 |
| 46 | A discrete element modelling approach for fatigue damage growth in cemented materials. International Journal of Plasticity, 2019, 112, 68-88. | 8.8 | 49 |
| 47 | On the optimum soil moisture for underground corrosion in different soil types. Corrosion Science, 2019, 159, 108116. | 6.6 | 29 |
| 48 | Modelling and testing of optimum soil moisture levels in the corrosion of underground pipelines. E3S Web of Conferences, 2019, 92, 16002. | 0.5 | 1 |
| 49 | A volumetric yield surface for compacted soils based on constant water content testing. E3S Web of Conferences, 2019, 92, 15008. | 0.5 | 1 |
| 50 | Modelling 3D desiccation cracking in clayey soils using a size-dependent SPH computational approach. Computers and Geotechnics, 2019, 116, 103209. | 4.7 | 44 |
| 51 | An integrated conceptual approach for the monitoring and modelling of geo-structures subjected to climatic loading. Physics and Chemistry of the Earth, 2019, 114, 102798. | 2.9 | 0 |
| 52 | Analysis of failure initiation in corroded cast iron pipes under cyclic loading due to formation of through-wall cracks. Engineering Failure Analysis, 2019, 103, 238-248. | 4.0 | 12 |
| 53 | Discrete element method investigation of particle size distribution effects on the flexural properties of cement-treated base. Computers and Geotechnics, 2019, 113, 103096. | 4.7 | 11 |
| 54 | Experimental characterisation of fatigue damage in foamed bitumen stabilised materials using dissipated energy approach. Construction and Building Materials, 2019, 216, 1-10. | 7.2 | 12 |

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| 55 | Reliability-based design for geotechnical engineering: An inverse FORM approach for practice. Computers and Geotechnics, 2019, 111, 22-29. | 4.7 | 98 |
| 56 | Hydromechanical behaviour of overconsolidated unsaturated soil in undrained conditions. Canadian Geotechnical Journal, 2019, 56, 1609-1621. | 2.8 | 12 |
| 57 | Experimental and Numerical Investigation of Flexural Behavior of Cemented Granular Materials. Journal of Materials in Civil Engineering, 2019, 31, . | 2.9 | 5 |
| 58 | 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. | 2.8 | 8 |
| 59 | Structural Assessment of Large Membrane Structures Using an Unmanned Aerial Vehicle Aided Photogrammetry: Determination of Flight Parameters and Trials at the Western Treatment Plant. Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems, 2019, 2, . | 0.9 | 3 |
| 60 | Utilising hydraulic transient excitation for fatigue crack monitoring of a cast iron pipeline using optical distributed sensing. Structural Control and Health Monitoring, 2018, 25, e2141. | 4.0 | 11 |
| 61 | Early-Age Fatigue Damage Assessment of Cement-Treated Bases under Repetitive Heavy Traffic Loading. Journal of Materials in Civil Engineering, 2018, 30, . | 2.9 | 28 |
| 62 | Impact of compaction method on mechanical characteristics of unbound granular recycled materials. Road Materials and Pavement Design, 2018, 19, 912-934. | 4.0 | 32 |
| 63 | Using distributed optical fibre sensor to enhance structural health monitoring of a pipeline subjected to hydraulic transient excitation. Structural Health Monitoring, 2018, 17, 298-312. | 7.5 | 21 |
| 64 | Effect of 2D spatial variability on slope reliability: A simplified FORM analysis. Geoscience Frontiers, 2018, 9, 1631-1638. | 8.4 | 98 |
| 65 | Theoretical analysis of desiccation crack spacing of a thin, long soil layer. Acta Geotechnica, 2018, 13, 39-49. | 5.7 | 39 |
| 66 | Leak Detection in Water Pipes Using Submersible Optical Optic-Based Pressure Sensor. Sensors, 2018, 18, 4192. | 3.8 | 34 |
| 67 | Review of soil compaction: History and recent developments. Transportation Geotechnics, 2018, 17, 24-34. | 4.5 | 68 |
| 68 | Modeling Failures in Water Mains Using the Minimum Monthly Antecedent Precipitation Index. Journal of Water Resources Planning and Management - ASCE, 2018, 144, . | 2.6 | 4 |
| 69 | Some Studies on Desiccation Cracking of Fiber-Reinforced Expansive Clay Subjected to Drying and Wetting Cycles. , 2018, , . | | 5 |
| 70 | New Laboratory Test Facility Developed to Investigate the Leak-Before-Break Window of Large-Diameter Cast Iron Water Pipes. Journal of Pipeline Systems Engineering and Practice, 2018, 9, 04018010. | 1.6 | 3 |
| 71 | A study on desiccation cracking behavior of polyester fiber-reinforced expansive clay. Applied Clay Science, 2017, 142, 163-172. | 5.2 | 122 |
| 72 | Correlating the Mechanical and Physical Properties with Mode-I Fracture Toughness of Rocks. Rock Mechanics and Rock Engineering, 2017, 50, 1941-1946. | 5.4 | 28 |

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| 73 | Hyperbolic constitutive model to study cast iron pipes in 3-D nonlinear finite element analyses. Engineering Failure Analysis, 2017, 75, 26-36. | 4.0 | 5 |
| 74 | Numerical interpretation of pressurized corroded cast iron pipe tests. International Journal of Mechanical Sciences, 2017, 128-129, 116-124. | 6.7 | 19 |
| 75 | Introduction of the leak-before-break (LBB) concept for cast iron water pipes on the basis of laboratory experiments. Urban Water Journal, 2017, 14, 820-828. | 2.1 | 18 |
| 76 | Experimental evaluation of bursting capacity of corroded grey cast iron water pipeline. Structure and Infrastructure Engineering, 2017, 13, 1553-1562. | 3.7 | 9 |
| 77 | Fatigue Damage Monitoring of a Cast Iron Pipeline Using Distributed Optical Fibre Sensors. Procedia Engineering, 2017, 188, 293-300. | 1.2 | 20 |
| 78 | Effect of Water Saturation on the Fracture and Mechanical Properties of Sedimentary Rocks. Rock Mechanics and Rock Engineering, 2017, 50, 2585-2600. | 5.4 | 99 |
| 79 | A Practical HLRF Algorithm for Slope Reliability Analysis. , 2017, , . | | 0 |
| 80 | Evaluation of the performance of a breakage model for high porosity Haubourdin chalk. Computers and Geotechnics, 2017, 90, 113-119. | 4.7 | 4 |
| 81 | A thermodynamics-based cohesive model for discrete element modelling of fracture in cemented materials. International Journal of Solids and Structures, 2017, 117, 159-176. | 2.7 | 42 |
| 82 | Evaluation of flexural behaviour of cemented pavement material beams using distributed fibre optic sensors. Construction and Building Materials, 2017, 156, 965-975. | 7.2 | 21 |
| 83 | Influence of joint anisotropy on the fracturing behavior of a sedimentary rock. Engineering Geology, 2017, 228, 224-237. | 6.3 | 31 |
| 84 | A cohesive damage-plasticity model for DEM and its application for numerical investigation of soft rock fracture properties. International Journal of Plasticity, 2017, 98, 175-196. | 8.8 | 101 |
| 85 | Using water hammer to enhance the detection of stiffness changes on an out-of-round pipe with distributed optical-fibre sensing. Structural Control and Health Monitoring, 2017, 24, e1975. | 4.0 | 3 |
| 86 | Numerical Study of Particle Size Distribution Effect on the Failure of Asphalt Mixtures Using Discrete Element Method. , 2017, , . | | 3 |
| 87 | Leak-before-break in cast iron mains: a failure analysis of a catastrophic pipe burst on Harris Street, Sydney. Water Practice and Technology, 2017, 12, 487-494. | 2.0 | 4 |
| 88 | Estimation of the Short-Term Probability of Failure in Water Mains. Journal of Water Resources Planning and Management - ASCE, 2017, 143, . | 2.6 | 9 |
| 89 | Advanced Characteristics of Cement-Treated Materials with respect to Strength Performance and Damage Evolution. Journal of Materials in Civil Engineering, 2017, 29, . | 2.9 | 22 |
| 90 | New Observations on the Application of LS-SVM in Slope System Reliability Analysis. Journal of Computing in Civil Engineering, 2017, 31, . | 4.7 | 45 |

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| 91 | Probabilistic physical modelling of corroded cast iron pipes for lifetime prediction. Structural Safety, 2017, 64, 62-75. | 5.3 | 63 |
| 92 | Implicit integration of simple breakage constitutive model for crushable granular materials: A numerical test. Computers and Geotechnics, 2017, 82, 43-53. | 4.7 | 7 |
| 93 | Lessons Learned from Large-Diameter Pipe Failure Case Studies. , 2017, , . | | 8 |
| 94 | Classification of major cohorts of Australian pressurised cast iron water mains for pipe renewal. Australian Journal of Water Resources, 2017, 21, 77-88. | 2.7 | 10 |
| 95 | Determination of the State of Strain of Large Floating Covers Using Unmanned Aerial Vehicle (UAV) Aided Photogrammetry. Sensors, 2017, 17, 1731. | 3.8 | 18 |
| 96 | Fatigue Damage Monitoring of a Composite Step Lap Joint Using Distributed Optical Fibre Sensors. Materials, 2016, 9, 374. | 2.9 | 24 |
| 97 | Field Performance of In-Service Cast Iron Gas Reticulation Pipe Buried in Reactive Clay. Journal of Pipeline Systems Engineering and Practice, 2016, 7, . | 1.6 | 11 |
| 98 | Equation to predict maximum pipe stress incorporating internal and external loadings on buried pipes. Canadian Geotechnical Journal, 2016, 53, 1315-1331. | 2.8 | 40 |
| 99 | Determination of $\langle i \rangle$ -integral for clay during desiccation. Environmental Geotechnics, 2016, 3, 372-378. | 2.3 | 10 |
| 100 | Impact of Compaction Methods on Resilient Response of Unsaturated Granular Pavement Material. Procedia Engineering, 2016, 143, 323-330. | 1.2 | 11 |
| 101 | Distributed fiber optic sensors for monitoring pressure and stiffness changes in out-of-round pipes. Structural Control and Health Monitoring, 2016, 23, 303-314. | 4.0 | 54 |
| 102 | Modelling the dynamic failure of brittle rocks using a hybrid continuum-discrete element method with a mixed-mode cohesive fracture model. International Journal of Impact Engineering, 2016, 87, 146-155. | 5.0 | 87 |
| 103 | Numerical modelling of laboratory soil desiccation cracking using UDEC with a mix-mode cohesive fracture model. Engineering Geology, 2016, 202, 14-23. | 6.3 | 79 |
| 104 | Monitoring of Pressure Transients in Water Supply Networks. Water Resources Management, 2016, 30, 471-485. | 3.9 | 24 |
| 105 | An application of breakage mechanics for predicting energyâ€“size reduction relationships in comminution. Powder Technology, 2016, 287, 121-130. | 4.2 | 16 |
| 106 | Interpretation of the loadingâ€“wetting behaviour of compacted soils within the â€œMPKâ€ framework. Part I: Static compaction. Canadian Geotechnical Journal, 2016, 53, 783-805. | 2.8 | 23 |
| 107 | Interpretation of the loadingâ€“wetting behaviour of compacted soils within the â€œMPKâ€ framework. Part II: Dynamic compaction. Canadian Geotechnical Journal, 2016, 53, 806-827. | 2.8 | 19 |
| 108 | Numerical Simulation of Pressure Transients in Water Supply Networks as Applicable to Critical Water Pipe Asset Management. Journal of Water Resources Planning and Management - ASCE, 2016, 142, . | 2.6 | 16 |

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| 109 | Estimating apparent thermal diffusivity of soil using field temperature time series. Geomechanics and Geoengineering, 2016, 11, 28-46. | 1.8 | 12 |
| 110 | Undrained Load-Displacement Behavior of Partially Embedded Pipeline on Seabed. Journal of Pipeline Systems Engineering and Practice, 2016, 7, 04015016. | 1.6 | 1 |
| 111 | Contribution of Cement Mortar Lining to Structural Capacity of Cast Iron Water Mains. ACI Materials Journal, 2016, 113, . | 0.2 | 4 |
| 112 | An application of a cohesive fracture model combining compression, tension and shear in soft rocks. Computers and Geotechnics, 2015, 66, 142-157. | 4.7 | 48 |
| 113 | Field performance of in-service cast iron water reticulation pipe buried in reactive clay. Canadian Geotechnical Journal, 2015, 52, 1861-1873. | 2.8 | 23 |
| 114 | Prediction of stress concentration factor of corrosion pits on buried pipes by least squares support vector machine. Engineering Failure Analysis, 2015, 55, 131-138. | 4.0 | 62 |
| 115 | The Use of Restrained Ring Test Method for Soil Desiccation Studies. Geotechnical Testing Journal, 2015, 38, 98-112. | 1.0 | 11 |
| 116 | Dynamic Modulus Measurements of Bound Cement-Treated Base Materials. Geotechnical Testing Journal, 2015, 38, 20140233. | 1.0 | 4 |
| 117 | Numerical modelling of desiccation cracking in a restrained ring test. Canadian Geotechnical Journal, 2014, 51, 67-76. | 2.8 | 16 |
| 118 | Soil moisture monitoring at the field scale using neutron probe. Canadian Geotechnical Journal, 2014, 51, 332-345. | 2.8 | 43 |
| 119 | On controlling influence of the line of optimums on the compacted clayey soil behavior. , 2014, , 219-225. | | 4 |
| 120 | Effects of confining pressure and water content on performance of unsaturated compacted clay under repeated loading. Geotechnique, 2013, 63, 628-640. | 4.0 | 39 |
| 121 | Salient factors controlling desiccation cracking of clay in laboratory experiments. Geotechnique, 2013, 63, 18-29. | 4.0 | 148 |
| 122 | Discussion: Response of a plastic pipe buried in expansive clay. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2013, 166, 328-330. | 1.6 | 5 |
| 123 | A simplified analytical model for predicting the shear behaviour of regular triangular rock/concrete joints under constant normal stiffness. Geotechnique, 2012, 62, 171-176. | 4.0 | 26 |
| 124 | A New Method for Developing Equations Applied to the Water Retention Curve. Soil Science Society of America Journal, 2012, 76, 806-814. | 2.2 | 13 |
| 125 | Driving Forces and Transportation Efficiency in Water Transportation Through Single-Walled Carbon Nanotubes. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, . | 0.8 | 1 |
| 126 | New framework for volumetric constitutive behaviour of compacted unsaturated soils. Canadian Geotechnical Journal, 2012, 49, 1227-1243. | 2.8 | 71 |

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| 127 | Groundâ€‘atmosphere interaction modelling for long-term prediction of soil moisture and temperature. Canadian Geotechnical Journal, 2012, 49, 1059-1073. | 2.8 | 42 |
| 128 | Evaluation of J Integral for Clay Soils Using a New Ring Test. Geotechnical Testing Journal, 2012, 35, 104271. | 1.0 | 16 |
| 129 | Determination of thermal diffusivity of soil using infrared thermal imaging. Canadian Geotechnical Journal, 2011, 48, 1295-1302. | 2.8 | 21 |
| 130 | A void ratio â€‘ water content â€‘ net stress model for environmentally stabilized expansive soils. Canadian Geotechnical Journal, 2011, 48, 867-877. | 2.8 | 35 |
| 131 | A review of coal properties pertinent to carbon dioxide sequestration in coal seams: with special reference to Victorian brown coals. Environmental Earth Sciences, 2011, 64, 223-235. | 2.7 | 91 |
| 132 | Numerical analysis of an experimental pipe buried in swelling soil. Computers and Geotechnics, 2011, 38, 897-904. | 4.7 | 62 |
| 133 | Use of Material Interfaces in DEM to Simulate Soil Fracture Propagation in Mode I Cracking. International Journal of Geomechanics, 2011, 11, 314-322. | 2.7 | 28 |
| 134 | Theoretical p-y Curves for Laterally Loaded Single Piles in Undrained Clay Using Bezier Curves. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 265-268. | 3.0 | 15 |
| 135 | Stabilisation of clayey soils with industrial by-products: part B. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2010, 163, 165-172. | 1.0 | 19 |
| 136 | Improvement of Problematic Soils by Lime Slurry Pressure Injection: Case Study. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1459-1468. | 3.0 | 38 |
| 137 | Stabilisation of clayey soils with industrial by-products: part A. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2010, 163, 149-163. | 1.0 | 40 |
| 138 | Mechanical Properties of Reconstituted Australian Black Coal. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 980-985. | 3.0 | 32 |
| 139 | Recognizing Patterns in Seasonal Variation of Pavement Roughness Using Minimum Message Length Inference. Computer-Aided Civil and Infrastructure Engineering, 2009, 24, 120-129. | 9.8 | 7 |
| 140 | Analytical modelling of gas leakage rate through a geosynthetic clay linerâ€‘geomembrane composite liner due to a circular defect in the geomembrane. Geotextiles and Geomembranes, 2008, 26, 122-129. | 4.6 | 53 |
| 141 | Identifying the Effects of Soil and Climate Types on Seasonal Variation of Pavement Roughness Using MML Inference. Journal of Computing in Civil Engineering, 2008, 22, 90-99. | 4.7 | 0 |
| 142 | Direct tensile failure of cementitiously stabilized crushed rock materials. Canadian Geotechnical Journal, 2007, 44, 231-240. | 2.8 | 16 |
| 143 | Characterisation of geotextiles water retention using a modified capillary pressure cell. Geotextiles and Geomembranes, 2007, 25, 186-193. | 4.6 | 33 |
| 144 | Evaluation of engineering properties for the use of leached brown coal ash in soil covers. Journal of Hazardous Materials, 2007, 139, 409-412. | 12.4 | 7 |

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| 145 | Numerical evaluation of side resistance of tapered piles in mudstone. Geotechnique, 2006, 56, 505-510. | 4.0 | 12 |
| 146 | Discussion of "Rate of Capillary Rise in Soil" by N. Lu and W. J. Likos. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 280-280. | 3.0 | 0 |
| 147 | Factors Affecting Cementitious Stabilization in a Range of Geo-Environments. , 2006, , 323. | | 3 |
| 148 | Stabilization of Crushed Basaltic Rocks and Clay Mixtures Using Cementitious Additives. Journal of Materials in Civil Engineering, 2005, 17, 432-439. | 2.9 | 10 |
| 149 | Modeling of Moisture Loss in Cementitiously Stabilized Pavement Materials. International Journal of Geomechanics, 2005, 5, 295-303. | 2.7 | 31 |
| 150 | Chapter 15 Performance evaluation of road pavements stabilised in situ. Elsevier Geo-Engineering Book Series, 2005, 3, 409-443. | 0.0 | 1 |
| 151 | Shrinkage behaviour of crushed basaltic rock and residual clay mixture stabilized with cementitious binders. International Journal of Pavement Engineering, 2005, 6, 27-37. | 4.4 | 19 |
| 152 | Modeling of Moisture Diffusion in Crushed Basaltic Rock Stabilized with Cementitious Binders. Journal of Materials in Civil Engineering, 2005, 17, 703-710. | 2.9 | 16 |
| 153 | Modeling and Laboratory Assessment of Capillary Rise in Stabilized Pavement Materials. Transportation Research Record, 2004, 1868, 3-13. | 1.9 | 10 |
| 154 | Discussion of "Mechanism Controlling Permeability Change in Clays due to Changes in Pore Fluid" by A. Anandarajah. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 449-450. | 3.0 | 0 |
| 155 | Basaltic Crushed Rock Stabilized with Cementitious Additives: Compressive Strength and Stiffness, Drying Shrinkage, and Capillary Flow Characteristics. Transportation Research Record, 2003, 1819, 18-26. | 1.9 | 26 |
| 156 | Field studies of the leachability of aged brown coal ash. Journal of Hazardous Materials, 2000, 76, 159-192. | 12.4 | 18 |
| 157 | Analysis of tension development in geomembranes placed on landfill slopes. Geotextiles and Geomembranes, 2000, 18, 47-61. | 4.6 | 20 |
| 158 | An idealized framework for the analysis of cohesive soils undergoing desiccation: Discussion. Canadian Geotechnical Journal, 1998, 35, 1112-1114. | 2.8 | 9 |
| 159 | Distributed Optical Fibre Sensors and their Applications in Pipeline Monitoring. Key Engineering Materials, 0, 558, 424-434. | 0.4 | 66 |
| 160 | Effect of Cement on the Engineering Properties of Pavement Materials. Materials Science Forum, 0, 866, 31-36. | 0.3 | 5 |