

Harianto Rahardjo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189
papers

5,643
citations

40
h-index

69
g-index

198
ext. papers

6,824
ext. citations

3.6
avg, IF

6.06
L-index

#	Paper	IF	Citations
189	Structured soil mixture for solving deformation issue in GeoBarrier System. <i>Transportation Geotechnics</i> , 2022 , 33, 100727	4	0
188	Assessment of critical rainfall scenarios for slope stability analyses based on historical rainfall records in Singapore. <i>Environmental Earth Sciences</i> , 2022 , 81, 1	2.9	2
187	Field instrumentation for real-time measurement of soil-water characteristic curve. <i>International Soil and Water Conservation Research</i> , 2022 ,	6.9	3
186	Effect of Cr on the performance of Fredlund and Xing (1994)'s equation in best fitting soil-water characteristic curve data. <i>Results in Engineering</i> , 2022 , 13, 100373	3.3	1
185	Unsaturated Properties of Singapore Urban Soils 2022 , 321-335		
184	Soil database for development of soil properties envelope. <i>Engineering Geology</i> , 2022 , 304, 106698	6	0
183	Effect of threshold suction on the prediction of the permeability function by using the statistical method. <i>Results in Engineering</i> , 2022 , 14, 100456	3.3	
182	Theoretical method for the estimation of vapour conductivity for unsaturated soil. <i>Engineering Geology</i> , 2021 , 295, 106447	6	4
181	Mechanical behavior of trees with structural defects under lateral load: A numerical modeling approach. <i>Urban Forestry and Urban Greening</i> , 2021 , 59, 126987	5.4	1
180	Spatial variation of shear strength properties incorporating auxiliary variables. <i>Catena</i> , 2021 , 200, 105196.8	5.8	2
179	Estimation of wetting hydraulic conductivity function for unsaturated sandy soil. <i>Engineering Geology</i> , 2021 , 285, 106034	6	10
178	Three-dimensional slope stability analysis incorporating unsaturated soil properties in Singapore. <i>Georisk</i> , 2021 , 15, 98-112	1.9	8
177	Deformation characteristics of unstable shallow slopes triggered by rainfall infiltration. <i>Bulletin of Engineering Geology and the Environment</i> , 2021 , 80, 317-344	4	12
176	Performance of capillary barrier as a sustainable slope protection. <i>MATEC Web of Conferences</i> , 2021 , 337, 03021	0.3	0
175	Significance of unsaturated soil properties on stability analyses against extreme rainfall conditions 2021 , 193-203		
174	Preventive measures for rainfall-induced slope failures in Singapore 2021 , 205-223		1
173	New Osmotic Tensiometer Development. <i>Geotechnical Testing Journal</i> , 2021 , 44, 20190451	1.3	1

172	Estimation of effective cohesion using artificial neural networks based on index soil properties: A Singapore case. <i>Engineering Geology</i> , 2021 , 289, 106163	6	3
171	Characteristics of unsaturated soil slope covered with capillary barrier system and deep-rooted grass under different rainfall patterns. <i>International Soil and Water Conservation Research</i> , 2021 , 9, 405-418	6.9	1
170	Back-analysis of the water retention curve of a GCL on the wetting path. <i>Geosynthetics International</i> , 2020 , 27, 523-537	3.3	10
169	Effect of the uncertainty in soil-water characteristic curve on the estimated shear strength of unsaturated soil. <i>Journal of Zhejiang University: Science A</i> , 2020 , 21, 317-330	2.1	7
168	Framework to estimate the soil-water characteristic curve for soils with different void ratios. <i>Bulletin of Engineering Geology and the Environment</i> , 2020 , 79, 4399-4409	4	23
167	Mechanical response of the real tree root architecture under lateral load. <i>Canadian Journal of Forest Research</i> , 2020 , 50, 595-607	1.9	3
166	Estimation of tensile strength of sandy soil from soil-water characteristic curve. <i>Acta Geotechnica</i> , 2020 , 15, 3371-3381	4.9	7
165	Stability analysis of laterally loaded trees based on tree-root-soil interaction. <i>Urban Forestry and Urban Greening</i> , 2020 , 49, 126639	5.4	7
164	Estimation of the soil-water characteristic curve from the grain size distribution of coarse-grained soils. <i>Engineering Geology</i> , 2020 , 267, 105502	6	20
163	Elastoplastic Behavior of Compacted Kaolin under Consolidated Drained and Shearing Infiltration Conditions. <i>Geotechnical Testing Journal</i> , 2020 , 43, 20180218	1.3	0
162	Susceptibility Assessment of Slope Failures in Singapore Using GIS-Based Prediction Models. <i>Lecture Notes in Civil Engineering</i> , 2020 , 825-830	0.3	
161	Analyses and design of steep slope with GeoBarrier system (GBS) under heavy rainfall. <i>Geotextiles and Geomembranes</i> , 2020 , 48, 157-169	5.2	4
160	Role of Unsaturated Soil Properties in The Development of Slope Susceptibility Map. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2020 , 1-44	0.9	7
159	Anchorage and stability of tree root-soil plates. <i>Environmental Geotechnics</i> , 2020 , 7, 330-337	1.2	1
158	Effects of unsaturated properties on stability of slope covered with <i>Caesalpinia crista</i> in Singapore. <i>Environmental Geotechnics</i> , 2020 , 7, 393-403	1.2	7
157	Spatial distribution, variation and trend of five-day antecedent rainfall in Singapore. <i>Georisk</i> , 2020 , 14, 177-191	1.9	7
156	Investigation of groundwater table distribution using borehole piezometer data interpolation: Case study of Singapore. <i>Engineering Geology</i> , 2020 , 271, 105590	6	24
155	Estimation of the wetting scanning curves for sandy soils. <i>Engineering Geology</i> , 2020 , 272, 105635	6	8

154	Effects of organic content on soil-water characteristic curve and soil shrinkage. <i>Environmental Geotechnics</i> , 2019 , 1-10	1.2	0
153	The role of pore-size distribution function on the estimation of engineering properties of unsaturated soil. <i>Japanese Geotechnical Society Special Publication</i> , 2019 , 7, 382-389	0.2	
152	Effect of grain-size distribution on hydraulic anisotropy of unsaturated soils. <i>Japanese Geotechnical Society Special Publication</i> , 2019 , 7, 376-381	0.2	
151	Effect of hysteresis on the stability of residual soil slope. <i>International Soil and Water Conservation Research</i> , 2019 , 7, 226-238	6.9	13
150	Role of unsaturated soil mechanics in geotechnical engineering. <i>International Journal of Geo-Engineering</i> , 2019 , 10, 1	2.1	37
149	Measurement of a soil-water characteristic curve and unsaturated permeability using the evaporation method and the chilled-mirror method. <i>Journal of Zhejiang University: Science A</i> , 2019 , 20, 368-374	2.1	7
148	Stability of unsaturated soil slopes covered with <i>Melastoma malabathricum</i> in Singapore. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2019 , 172, 530-540	0.9	2
147	Estimation of unsaturated shear strength from soil-water characteristic curve. <i>Acta Geotechnica</i> , 2019 , 14, 1977-1990	4.9	39
146	Sensing and monitoring for assessment of rainfall-induced slope failures in residual soil. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2019 , 172, 496-506	0.9	7
145	Role of the pore-size distribution function on water flow in unsaturated soil. <i>Journal of Zhejiang University: Science A</i> , 2019 , 20, 10-20	2.1	21
144	Estimation of air permeability function from soil-water characteristic curve. <i>Canadian Geotechnical Journal</i> , 2019 , 56, 505-513	3.2	12
143	Comparison of Soil-Water Characteristic Curves from Conventional Testing and Combination of Small-Scale Centrifuge and Dew Point Methods. <i>Geotechnical and Geological Engineering</i> , 2019 , 37, 659-672	1.5	23
142	Effect of weather conditions on leans of one <i>Eugenia Grandis</i> tree in Singapore. <i>Urban Forestry and Urban Greening</i> , 2019 , 43, 126375	5.4	1
141	DEVELOPMENT ASSESSMENT OF THE SINGAPORE LAND: A GIS SPATIAL-TEMPORAL APPROACH BASED ON LAND COVER ANALYSIS. <i>Geographia Technica</i> , 2019 , 14, 60-73	1.2	3
140	Soil-Water Characteristic Curve and Permeability Function of Recycled Concrete Aggregates Coated with Oil or Wax. <i>Geotechnical Testing Journal</i> , 2019 , 42, 20170404	1.3	
139	Unsaturated shear strength of soil with bimodal soil-water characteristic curve. <i>Geotechnique</i> , 2019 , 69, 828-832	3.4	15
138	Spatial variations of air-entry value for residual soils in Singapore. <i>Catena</i> , 2019 , 174, 259-268	5.8	10
137	Effect of Rainfall Infiltration on Deformation of Geobarrier Wall. <i>Geotechnical and Geological Engineering</i> , 2019 , 37, 1383-1399	1.5	3

136	Uncertainty in the estimation of hysteresis of soil-water characteristic curve. <i>Environmental Geotechnics</i> , 2019 , 6, 204-213	1.2	8
135	Numerical simulations of triaxial shearing-infiltration tests. <i>Soils and Foundations</i> , 2018 , 58, 398-411	2.9	4
134	CFD analyses of the wind drags on <i>Khaya Senegalensis</i> and <i>Eugenia Grandis</i> . <i>Urban Forestry and Urban Greening</i> , 2018 , 34, 29-43	5.4	5
133	Unsaturated elasto-plastic constitutive equations for compacted kaolin under consolidated drained and shearing-infiltration conditions. <i>Soils and Foundations</i> , 2018 , 58, 534-546	2.9	5
132	Upper-Bound Limit Analysis of Unsaturated Soil Slopes under Rainfall. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018 , 144, 04018066	3.4	14
131	Effect of concrete waste particles on infiltration characteristics of soil. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	6
130	A pore-size distribution function based method for estimation of hydraulic properties of sandy soils. <i>Engineering Geology</i> , 2018 , 246, 288-292	6	28
129	Field instrumentations and monitoring of GeoBarrier System for steep slope protection. <i>Transportation Geotechnics</i> , 2018 , 16, 29-42	4	11
128	Performance of Residual Soil as Cover System for a Sanitary Landfill in Singapore. <i>Journal of Performance of Constructed Facilities</i> , 2017 , 31,	2	2
127	Laboratory investigation on hydraulic anisotropy behavior of unsaturated soil. <i>Canadian Geotechnical Journal</i> , 2017 , 54, 1034-1046	3.2	5
126	Effects of residual suction and residual water content on the estimation of permeability function. <i>Geoderma</i> , 2017 , 303, 165-177	6.7	30
125	Effect of soil hydraulic properties on water infiltration of containerised soil. <i>Landscape and Urban Planning</i> , 2017 , 165, 84-92	7.7	1
124	Saturated and unsaturated stability analysis of slope subjected to rainfall infiltration. <i>MATEC Web of Conferences</i> , 2017 , 101, 05004	0.3	15
123	Effect of bimodal soil-water characteristic curve on the estimation of permeability function. <i>Engineering Geology</i> , 2017 , 230, 142-151	6	28
122	Effect of variations in rainfall intensity on slope stability in Singapore. <i>International Soil and Water Conservation Research</i> , 2017 , 5, 258-264	6.9	35
121	Estimation of unimodal water characteristic curve for gap-graded soil. <i>Soils and Foundations</i> , 2017 , 57, 789-801	2.9	21
120	1D Infiltration Behavior of Two-Layered Recycled Concrete Aggregates Using Hydrophobic Materials in a Column Apparatus. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 04017053	3	6
119	Flux boundary measurements for the study of tree stability. <i>Landscape and Ecological Engineering</i> , 2017 , 13, 81-92	2	7

118	New approach to improve soil-water characteristic curve to reduce variation in estimation of unsaturated permeability function. <i>Canadian Geotechnical Journal</i> , 2016 , 53, 717-725	3.2	11
117	Field instrumentation for performance assessment of Geobarrier System. <i>E3S Web of Conferences</i> , 2016 , 9, 15006	0.5	
116	Stability of containerized urban street trees. <i>Landscape and Ecological Engineering</i> , 2016 , 12, 13-24	2	6
115	Effect of hydraulic anisotropy on soil-water characteristic curve. <i>Soils and Foundations</i> , 2016 , 56, 228-239	2.9	6
114	Use of Dual Capillary Barrier as Cover System for a Sanitary Landfill in Singapore 2016 , 46, 228-238		17
113	Effectiveness of Capillary Barrier and Vegetative Slope Covers in Maintaining Soil Suction. <i>Soils and Rocks</i> , 2016 , 51-69	0.9	4
112	Application of fitting parameters in best fit equation. <i>E3S Web of Conferences</i> , 2016 , 9, 10008	0.5	
111	Effects of Rainfall Characteristics on the Stability of Tropical Residual Soil Slope. <i>E3S Web of Conferences</i> , 2016 , 9, 15004	0.5	1
110	Governing failure mode of unsaturated soil slopes under rainwater infiltration. <i>E3S Web of Conferences</i> , 2016 , 9, 15008	0.5	
109	Structural cell contribution to resistance of trees to uprooting. <i>Trees - Structure and Function</i> , 2016 , 30, 1843-1853	2.6	2
108	Water content of soil matrix during lateral water flow through cracked soil. <i>Engineering Geology</i> , 2016 , 210, 168-179	6	23
107	Measurement of soil suction using moist filter paper. <i>E3S Web of Conferences</i> , 2016 , 9, 10012	0.5	4
106	Variability in unsaturated hydraulic properties of residual soil in Singapore. <i>Engineering Geology</i> , 2016 , 209, 21-29	6	29
105	Effect of range of soil-water characteristic curve measurements on estimation of permeability function. <i>Engineering Geology</i> , 2015 , 185, 96-104	6	18
104	Estimation of permeability function from the soil-water characteristic curve. <i>Engineering Geology</i> , 2015 , 199, 148-156	6	80
103	Effects of soil-water characteristic curve and relative permeability equations on estimation of unsaturated permeability function. <i>Soils and Foundations</i> , 2015 , 55, 1400-1411	2.9	20
102	Controlling parameter for unsaturated soil property functions: validated on the unsaturated shear strength. <i>Canadian Geotechnical Journal</i> , 2015 , 52, 374-381	3.2	5
101	Comprehensive Instrumentation for Real Time Monitoring of Flux Boundary Conditions in Slope. <i>Procedia Earth and Planetary Science</i> , 2014 , 9, 23-43		20

100	Understanding the stability of Samanea saman trees through tree pulling, analytical calculations and numerical models. <i>Urban Forestry and Urban Greening</i> , 2014 , 13, 355-364	5.4	15
99	Variability in Soil-Water Characteristic Curve associated with fitting parameters 2014 , 1031-1037		1
98	Experimental study on dual capillary barrier using recycled asphalt pavement materials. <i>Canadian Geotechnical Journal</i> , 2014 , 51, 1165-1177	3.2	24
97	Performance of an instrumented slope covered with shrubs and deep-rooted grass. <i>Soils and Foundations</i> , 2014 , 54, 417-425	2.9	62
96	Mapping of cracked soils and lateral water flow characteristics through a network of cracks. <i>Engineering Geology</i> , 2014 , 172, 12-25	6	24
95	Unsaturated shear strength of a silty sand. <i>Engineering Geology</i> , 2013 , 162, 88-96	6	36
94	Effects of flux boundary conditions on pore-water pressure distribution in slope. <i>Engineering Geology</i> , 2013 , 165, 133-142	6	40
93	Water characteristic curve of soil with bimodal grain-size distribution. <i>Computers and Geotechnics</i> , 2013 , 48, 51-61	4.4	78
92	Quantification of uncertainties in soil-water characteristic curve associated with fitting parameters. <i>Engineering Geology</i> , 2013 , 163, 144-152	6	41
91	Unsaturated properties of recycled concrete aggregate and reclaimed asphalt pavement. <i>Engineering Geology</i> , 2013 , 161, 44-54	6	25
90	Use of recycled crushed concrete and Secudrain in capillary barriers for slope stabilization. <i>Canadian Geotechnical Journal</i> , 2013 , 50, 662-673	3.2	33
89	Evaluation of MLP-ANN Training Algorithms for Modeling Soil Pore-Water Pressure Responses to Rainfall. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013 , 18, 50-57	1.8	11
88	Soil-water characteristic curves of gap-graded soils. <i>Engineering Geology</i> , 2012 , 125, 102-107	6	34
87	Modeling of suction distributions in an unsaturated heterogeneous residual soil slope. <i>Engineering Geology</i> , 2012 , 131-132, 70-82	6	23
86	Variability of residual soil properties. <i>Engineering Geology</i> , 2012 , 141-142, 124-140	6	71
85	Performance of an Instrumented Slope Covered by a Capillary Barrier System. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012 , 138, 481-490	3.4	37
84	Field instrumentation for monitoring of water, heat, and gas transfers through unsaturated soils. <i>Engineering Geology</i> , 2012 , 151, 24-36	6	5
83	Effect of Antecedent Conditions on Prediction of Pore-Water Pressure using Artificial Neural Networks. <i>Modern Applied Science</i> , 2012 , 6,	1.3	4

82	Determination of soil-water characteristic curve variables. <i>Computers and Geotechnics</i> , 2012 , 42, 37-43	4.4	77
81	Two and three-dimensional slope stability reanalyses of Bukit Batok slope. <i>Computers and Geotechnics</i> , 2012 , 42, 81-88	4.4	19
80	Reply to the discussion by Bellia et al. on Determination of soil-water characteristic curve variables. <i>Computers and Geotechnics</i> , 2012 , 45, 151-152	4.4	5
79	Calibration of a thermal conductivity sensor for field measurement of matric suction. <i>Geotechnique</i> , 2012 , 62, 81-85	3.4	2
78	Microporous Membrane Technology for Measurement of Soil-Water Characteristic Curve. <i>Geotechnical Testing Journal</i> , 2012 , 35, 103670	1.3	14
77	Effect of Antecedent Rainfall Patterns on Rainfall-Induced Slope Failure. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011 , 137, 483-491	3.4	106
76	Closure to Shear Strength Equations for Unsaturated Soil under Drying and Wetting. By Goh Shin Guan, Harianto Rahardjo, and Leong Eng Choon. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011 , 137, 1313-1315	3.4	3
75	Stiffness of a compacted residual soil. <i>Engineering Geology</i> , 2011 , 120, 60-67	6	29
74	Calibrations of a high-suction tensiometer S. D. N. LOURENÇO, D. GALLIPOLI, D. G. TOLL, C. E. AUGARDE, F. D. EVANS and G. M. MEDERO (2008).. <i>Geotechnique</i> , 2010 , 60, 233-234	3.4	1
73	A simplified method to estimate the soil-water characteristic curve. <i>Canadian Geotechnical Journal</i> , 2010 , 47, 1382-1400	3.2	65
72	Effects of Groundwater Table Position and Soil Properties on Stability of Slope during Rainfall. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010 , 136, 1555-1564	3.4	82
71	Shear Strength Equations for Unsaturated Soil under Drying and Wetting. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010 , 136, 594-606	3.4	116
70	Application of geosynthetic material in capillary barriers for slope stabilisation. <i>Geosynthetics International</i> , 2010 , 17, 323-331	3.3	7
69	Response to discussion on Effects of different drying rates on shrinkage characteristics of a residual soil and soil mixtures. By Mamert Mbonimpa, Michel Aubertin, Bruno Bussiere [Engineering Geology 107/3] (2009) 172-173]. <i>Engineering Geology</i> , 2010 , 110, 30-31	6	
68	Tree-pulling experiment: an analysis into the mechanical stability of rain trees. <i>Trees - Structure and Function</i> , 2010 , 24, 1007-1015	2.6	12
67	Response parameters for characterization of infiltration. <i>Environmental Earth Sciences</i> , 2010 , 60, 1369-1380		18
66	Effect of rising water table in an unsaturated slope. <i>Engineering Geology</i> , 2010 , 114, 71-83	6	39
65	Effect of hydraulic properties of soil on rainfall-induced slope failure. <i>Engineering Geology</i> , 2010 , 114, 135-143	6	97

64	Modification of Volumetric Pressure Plate Extractor. <i>Journal of ASTM International</i> , 2010 , 7, 103075		1
63	Use of instantaneous profile and statistical methods to determine permeability functions of unsaturated soils. <i>Canadian Geotechnical Journal</i> , 2009 , 46, 869-874	3.2	17
62	A simple model for preliminary evaluation of rainfall-induced slope instability. <i>Engineering Geology</i> , 2009 , 108, 272-285	6	74
61	Measuring shear and compression wave velocities of soil using bender-extender elements. <i>Canadian Geotechnical Journal</i> , 2009 , 46, 792-812	3.2	71
60	Discussion of Assessment of the use of the vapour equilibrium technique in controlled-suction tests. Appears in Canadian Geotechnical Journal: 46(4): 411-423.. <i>Canadian Geotechnical Journal</i> , 2009 , 46, 1482-1484	3.2	3
59	Tree stability in an improved soil to withstand wind loading. <i>Urban Forestry and Urban Greening</i> , 2009 , 8, 237-247	5.4	28
58	Measurement of geotextile-water characteristic curve using capillary rise principle. <i>Geosynthetics International</i> , 2008 , 15, 86-94	3.3	15
57	Effect of antecedent rainfall on pore-water pressure distribution characteristics in residual soil slopes under tropical rainfall. <i>Hydrological Processes</i> , 2008 , 22, 506-523	3.3	70
56	Effects of different drying rates on shrinkage characteristics of a residual soil and soil mixtures. <i>Engineering Geology</i> , 2008 , 102, 31-37	6	40
55	Effects of coarse-grained material on hydraulic properties and shear strength of top soil. <i>Engineering Geology</i> , 2008 , 101, 165-173	6	51
54	Accuracy of suction measurement. <i>Geotechnique</i> , 2007 , 57, 547-556	3.4	11
53	Elastoplastic model for unsaturated soil with incorporation of the soil-water characteristic curve. <i>Canadian Geotechnical Journal</i> , 2007 , 44, 67-77	3.2	48
52	Factors Controlling Instability of Homogeneous Soil Slopes under Rainfall. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2007 , 133, 1532-1543	3.4	182
51	Critical State Behavior of a Compacted Silt Specimen. <i>Soils and Foundations</i> , 2007 , 47, 749-755	2.9	23
50	Characteristics of Scanning Curves of Two Soils. <i>Soils and Foundations</i> , 2007 , 47, 97-108	2.9	6
49	Drying and wetting characteristics of a two-layer soil column. <i>Canadian Geotechnical Journal</i> , 2007 , 44, 20-32	3.2	19
48	Soil-water characteristic curve and consolidation behavior for a compacted silt. <i>Canadian Geotechnical Journal</i> , 2007 , 44, 266-275	3.2	49
47	Effects of Hysteresis on Shear Strength Envelopes from Constant Water Content and Consolidated Drained Triaxial Tests 2006 , 1212		15

46	Behavior of Unsaturated Layered Soil Columns during Infiltration. <i>Journal of Hydrologic Engineering - ASCE</i> , 2006 , 11, 329-337	1.8	46
45	Shear Strength and Pore-Water Pressure Characteristics during Constant Water Content Triaxial Tests. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2006 , 132, 411-419	3.4	49
44	Experimental Study of 1-D Capillary Barrier Model Using Geosynthetic Material as the Coarse-Grained Layer 2006 , 1683		13
43	Effects of coarse-grained materials on properties of residual soil. <i>Engineering Geology</i> , 2006 , 82, 154-164		60
42	Pore-water pressure and water volume change of an unsaturated soil under infiltration conditions. <i>Canadian Geotechnical Journal</i> , 2005 , 42, 1509-1531	3.2	19
41	Response of a residual soil slope to rainfall. <i>Canadian Geotechnical Journal</i> , 2005 , 42, 340-351	3.2	155
40	Behaviour of Capillary Barrier System Constructed using Residual Soil 2005 , 1		2
39	High relative humidity measurements using gelatin coated long-period grating sensors. <i>Sensors and Actuators B: Chemical</i> , 2005 , 110, 335-341	8.5	86
38	Estimating permeability functions of Singapore residual soils. <i>Engineering Geology</i> , 2005 , 78, 119-133	6	24
37	Effects of Hysteresis on Steady-State Infiltration in Unsaturated Slopes. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2004 , 130, 956-967	3.4	33
36	Humidity sensing using plastic optical fibers. <i>Microwave and Optical Technology Letters</i> , 2004 , 43, 387-390	2	13
35	Characteristics of residual soils in Singapore as formed by weathering. <i>Engineering Geology</i> , 2004 , 73, 157-169	6	123
34	Measurement of wave velocities and attenuation using an ultrasonic test system. <i>Canadian Geotechnical Journal</i> , 2004 , 41, 844-860	3.2	20
33	Design and laboratory verification of a physical model of sloping capillary barrier. <i>Canadian Geotechnical Journal</i> , 2004 , 41, 814-830	3.2	32
32	A study of infiltration on three sand capillary barriers. <i>Canadian Geotechnical Journal</i> , 2004 , 41, 629-643	3.2	50
31	Shear Strength of Compacted Soil under Infiltration Condition. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2004 , 130, 807-817	3.4	59
30	Shear strength of a compacted residual soil from consolidated drained and constant water content triaxial tests. <i>Canadian Geotechnical Journal</i> , 2004 , 41, 421-436	3.2	98
29	Factors affecting drying and wetting soil-water characteristic curves of sandy soils. <i>Canadian Geotechnical Journal</i> , 2004 , 41, 908-920	3.2	137

28	Humidity sensing using plastic optical fibers 2004 , 5590, 77		
27	Unsaturated residual soil 2004 , 57-71		
26	Hydrologic Behavior of Residual Soil Slopes in Singapore. <i>Journal of Hydrologic Engineering - ASCE</i> , 2003 , 8, 133-144	1.8	21
25	Effectiveness of horizontal drains for slope stability. <i>Engineering Geology</i> , 2003 , 69, 295-308	6	41
24	A flexible wall permeameter for measurements of water and air coefficients of permeability of residual soils. <i>Canadian Geotechnical Journal</i> , 2003 , 40, 559-574	3.2	67
23	Infiltration characteristics of two instrumented residual soil slopes. <i>Canadian Geotechnical Journal</i> , 2003 , 40, 1012-1032	3.2	35
22	Spatial and temporal variability of pore-water pressures in residual soil slopes in a tropical climate. <i>Earth Surface Processes and Landforms</i> , 2002 , 27, 317-338	3.7	15
21	Controlling parameters for rainfall-induced landslides. <i>Computers and Geotechnics</i> , 2002 , 29, 1-27	4.4	194
20	Mini suction probe for matric suction measurements. <i>Canadian Geotechnical Journal</i> , 2002 , 39, 1427-1433	3.2	42
19	Soil improvement by surcharge and vacuum preloadings. <i>Geotechnique</i> , 2000 , 50, 601-605	3.4	24
18	Infiltration effects on stability of a residual soil slope. <i>Computers and Geotechnics</i> , 2000 , 26, 145-165	4.4	147
17	Soil-Water Characteristic Curves for Compacted Clays. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 1999 , 125, 629-630	3.4	3
16	Coupled Model for Heat, Moisture, Air Flow, and Deformation Problems in Unsaturated Soils. <i>Journal of Engineering Mechanics - ASCE</i> , 1998 , 124, 1331-1338	2.4	17
15	Review of Soil-Water Characteristic Curve Equations. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 1997 , 123, 1106-1117	3.4	292
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13	Effect of rainfall on matric suctions in a residual soil slope. <i>Canadian Geotechnical Journal</i> , 1996 , 33, 618-628	3.2	168
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9	Discussion: A framework for unsaturated soils behaviour. <i>Geotechnique</i> , 1991 , 41, 159-161	3.4	
8	Closure to [Closed-Form Heave Solutions for Expansive Soils] by R. Rama Rao, Harianto Rahardjo, and Delwyn G. Fredlund (May, 1988, Vol. 114, No. 5). <i>Journal of Geotechnical Engineering</i> , 1989 , 115, 1822-1823		
7	Determination of the shear strength parameters of an unsaturated soil using the direct shear test. <i>Canadian Geotechnical Journal</i> , 1988 , 25, 500-510	3.2	209
6	Closed-Form Heave Solutions for Expansive Soils. <i>Journal of Geotechnical Engineering</i> , 1988 , 114, 573-588		13
5	General limit equilibrium method for lateral earth force. <i>Canadian Geotechnical Journal</i> , 1984 , 21, 166-175	3.2	45
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