Harianto Rahardjo

List of Publications by Year in descending order

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197 papers	8,129 citations	46918 47 h-index	58464 82 g-index
198 all docs	198 docs citations	198 times ranked	3153 citing authors

#	Article	IF	Citations
1	Review of Soil-Water Characteristic Curve Equations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 1106-1117.	1.5	373
2	Factors Controlling Instability of Homogeneous Soil Slopes under Rainfall. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 1532-1543.	1.5	269
3	Controlling parameters for rainfall-induced landslides. Computers and Geotechnics, 2002, 29, 1-27.	2.3	255
4	Determination of the shear strength parameters of an unsaturated soil using the direct shear test. Canadian Geotechnical Journal, 1988, 25, 500-510.	1.4	250
5	Shear-strength characteristics of a residual soil. Canadian Geotechnical Journal, 1995, 32, 60-77.	1.4	244
6	Permeability Functions for Unsaturated Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 1118-1126.	1.5	232
7	Response of a residual soil slope to rainfall. Canadian Geotechnical Journal, 2005, 42, 340-351.	1.4	207
8	Infiltration effects on stability of a residual soil slope. Computers and Geotechnics, 2000, 26, 145-165.	2.3	203
9	Effect of rainfall on matric suctions in a residual soil slope. Canadian Geotechnical Journal, 1996, 33, 618-628.	1.4	202
10	Factors affecting drying and wetting soil-water characteristic curves of sandy soils. Canadian Geotechnical Journal, 2004, 41, 908-920.	1.4	176
11	Effect of Antecedent Rainfall Patterns on Rainfall-Induced Slope Failure. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 483-491.	1.5	167
12	Characteristics of residual soils in Singapore as formed by weathering. Engineering Geology, 2004, 73, 157-169.	2.9	161
13	Shear Strength Equations for Unsaturated Soil under Drying and Wetting. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 594-606.	1.5	148
14	Effect of hydraulic properties of soil on rainfall-induced slope failure. Engineering Geology, 2010, 114, 135-143.	2.9	132
15	Effects of Groundwater Table Position and Soil Properties on Stability of Slope during Rainfall. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1555-1564.	1.5	115
16	Shear strength of a compacted residual soil from consolidated drained and constant water content triaxial tests. Canadian Geotechnical Journal, 2004, 41, 421-436.	1.4	114
17	A simple model for preliminary evaluation of rainfall-induced slope instability. Engineering Geology, 2009, 108, 272-285.	2.9	114
18	High relative humidity measurements using gelatin coated long-period grating sensors. Sensors and Actuators B: Chemical, 2005, 110, 335-341.	4.0	113

#	ARTICLE	IF	CITATIONS
19	Water characteristic curve of soil with bimodal grain-size distribution. Computers and Geotechnics, 2013, 48, 51-61.	2.3	113
20	Estimation of permeability function from the soilâ€“water characteristic curve. Engineering Geology, 2015, 199, 148-156.	2.9	108
21	Determination of soilâ€“water characteristic curve variables. Computers and Geotechnics, 2012, 42, 37-43.	2.3	107
22	Variability of residual soil properties. Engineering Geology, 2012, 141-142, 124-140.	2.9	105
23	Measuring shear and compression wave velocities of soil using benderâ€“extender elements. Canadian Geotechnical Journal, 2009, 46, 792-812.	1.4	101
24	Effect of antecedent rainfall on poreâ€water pressure distribution characteristics in residual soil slopes under tropical rainfall. Hydrological Processes, 2008, 22, 506-523.	1.1	97
25	Performance of an instrumented slope covered with shrubs and deep-rooted grass. Soils and Foundations, 2014, 54, 417-425.	1.3	91
26	A simplified method to estimate the soil-water characteristic curve. Canadian Geotechnical Journal, 2010, 47, 1382-1400.	1.4	85
27	A flexible wall permeameter for measurements of water and air coefficients of permeability of residual soils. Canadian Geotechnical Journal, 2003, 40, 559-574.	1.4	80
28	Shear Strength of Compacted Soil under Infiltration Condition. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 807-817.	1.5	79
29	Effects of coarse-grained materials on properties of residual soil. Engineering Geology, 2006, 82, 154-164.	2.9	77
30	Role of unsaturated soil mechanics in geotechnical engineering. International Journal of Geo-Engineering, 2019, 10, 1.	0.9	73
31	A study of infiltration on three sand capillary barriers. Canadian Geotechnical Journal, 2004, 41, 629-643.	1.4	70
32	Behavior of Unsaturated Layered Soil Columns during Infiltration. Journal of Hydrologic Engineering - ASCE, 2006, 11, 329-337.	0.8	69
33	Effects of coarse-grained material on hydraulic properties and shear strength of top soil. Engineering Geology, 2008, 101, 165-173.	2.9	69
34	Estimation of unsaturated shear strength from soilâ€“water characteristic curve. Acta Geotechnica, 2019, 14, 1977-1990.	2.9	69
35	Shear Strength and Pore-Water Pressure Characteristics during Constant Water Content Triaxial Tests. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 411-419.	1.5	68
36	Effect of variations in rainfall intensity on slope stability in Singapore. International Soil and Water Conservation Research, 2017, 5, 258-264.	3.0	65

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37	Elastoplastic model for unsaturated soil with incorporation of the soil-water characteristic curve. Canadian Geotechnical Journal, 2007, 44, 67-77.	1.4	63
38	Soil-water characteristic curve and consolidation behavior for a compacted silt. Canadian Geotechnical Journal, 2007, 44, 266-275.	1.4	62
39	Performance of an Instrumented Slope Covered by a Capillary Barrier System. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 481-490.	1.5	61
40	Effectiveness of horizontal drains for slope stability. Engineering Geology, 2003, 69, 295-308.	2.9	56
41	Effects of different drying rates on shrinkage characteristics of a residual soil and soil mixtures. Engineering Geology, 2008, 102, 31-37.	2.9	54
42	Effects of flux boundary conditions on pore-water pressure distribution in slope. Engineering Geology, 2013, 165, 133-142.	2.9	54
43	Design and laboratory verification of a physical model of sloping capillary barrier. Canadian Geotechnical Journal, 2004, 41, 814-830.	1.4	53
44	Effect of rising water table in an unsaturated slope. Engineering Geology, 2010, 114, 71-83.	2.9	53
45	General limit equilibrium method for lateral earth force. Canadian Geotechnical Journal, 1984, 21, 166-175.	1.4	52
46	Mini suction probe for matric suction measurements. Canadian Geotechnical Journal, 2002, 39, 1427-1432.	1.4	52
47	Investigation of groundwater table distribution using borehole piezometer data interpolation: Case study of Singapore. Engineering Geology, 2020, 271, 105590.	2.9	52
48	Soilâ€“water characteristic curves of gap-graded soils. Engineering Geology, 2012, 125, 102-107.	2.9	51
49	Use of recycled crushed concrete and Secudrain in capillary barriers for slope stabilization. Canadian Geotechnical Journal, 2013, 50, 662-673.	1.4	50
50	Infiltration characteristics of two instrumented residual soil slopes. Canadian Geotechnical Journal, 2003, 40, 1012-1032.	1.4	48
51	Effects of Hysteresis on Steady-State Infiltration in Unsaturated Slopes. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 956-967.	1.5	47
52	Quantification of uncertainties in soilâ€“water characteristic curve associated with fitting parameters. Engineering Geology, 2013, 163, 144-152.	2.9	47
53	Framework to estimate the soil-water characteristic curve for soils with different void ratios. Bulletin of Engineering Geology and the Environment, 2020, 79, 4399-4409.	1.6	47
54	Experimental study on dual capillary barrier using recycled asphalt pavement materials. Canadian Geotechnical Journal, 2014, 51, 1165-1177.	1.4	45

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55	Lateral earth pressures in expansive clay soils. Canadian Geotechnical Journal, 1983, 20, 228-241.	1.4	44
56	Unsaturated shear strength of a silty sand. Engineering Geology, 2013, 162, 88-96.	2.9	44
57	Effects of residual suction and residual water content on the estimation of permeability function. Geoderma, 2017, 303, 165-177.	2.3	43
58	Estimation of the soil-water characteristic curve from the grain size distribution of coarse-grained soils. Engineering Geology, 2020, 267, 105502.	2.9	43
59	Estimation of wetting hydraulic conductivity function for unsaturated sandy soil. Engineering Geology, 2021, 285, 106034.	2.9	42
60	A pore-size distribution function based method for estimation of hydraulic properties of sandy soils. Engineering Geology, 2018, 246, 288-292.	2.9	41
61	Variability in unsaturated hydraulic properties of residual soil in Singapore. Engineering Geology, 2016, 209, 21-29.	2.9	40
62	Effect of hysteresis on the stability of residual soil slope. International Soil and Water Conservation Research, 2019, 7, 226-238.	3.0	40
63	Stiffness of a compacted residual soil. Engineering Geology, 2011, 120, 60-67.	2.9	39
64	Comparison of Soilâ€"Water Characteristic Curves from Conventional Testing and Combination of Small-Scale Centrifuge and Dew Point Methods. Geotechnical and Geological Engineering, 2019, 37, 659-672.	0.8	39
65	Tree stability in an improved soil to withstand wind loading. Urban Forestry and Urban Greening, 2009, 8, 237-247.	2.3	37
66	Effect of bimodal soil-water characteristic curve on the estimation of permeability function. Engineering Geology, 2017, 230, 142-151.	2.9	37
67	Estimation of unimodal water characteristic curve for gap-graded soil. Soils and Foundations, 2017, 57, 789-801.	1.3	37
68	Estimating permeability functions of Singapore residual soils. Engineering Geology, 2005, 78, 119-133.	2.9	36
69	Modeling of suction distributions in an unsaturated heterogeneous residual soil slope. Engineering Geology, 2012, 131-132, 70-82.	2.9	36
70	Role of the pore-size distribution function on water flow in unsaturated soil. Journal of Zhejiang University: Science A, 2019, 20, 10-20.	1.3	36
71	Water content of soil matrix during lateral water flow through cracked soil. Engineering Geology, 2016, 210, 168-179.	2.9	35
72	Unsaturated shear strength of soil with bimodal soil-water characteristic curve. Geotechnique, 2019, 69, 828-832.	2.2	35

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73	Volume change indices during loading and unloading of an unsaturated soil. Canadian Geotechnical Journal, 1992, 29, 195-207.	1.4	32
74	Response parameters for characterization of infiltration. Environmental Earth Sciences, 2010, 60, 1369-1380.	1.3	32
75	Mapping of cracked soils and lateral water flow characteristics through a network of cracks. Engineering Geology, 2014, 172, 12-25.	2.9	32
76	Experimental verification of the theory of consolidation for unsaturated soils. Canadian Geotechnical Journal, 1995, 32, 749-766.	1.4	31
77	Soil improvement by surcharge and vacuum preloadings. Geotechnique, 2000, 50, 601-605.	2.2	31
78	Unsaturated properties of recycled concrete aggregate and reclaimed asphalt pavement. Engineering Geology, 2013, 161, 44-54.	2.9	31
79	Critical State Behavior of a Compacted Silt Specimen. Soils and Foundations, 2007, 47, 749-755.	1.3	30
80	Use of Dual Capillary Barrier as Cover System for a Sanitary Landfill in Singapore. Indian Geotechnical Journal, 2016, 46, 228-238.	0.7	30
81	Estimation of air permeability function from soil-water characteristic curve. Canadian Geotechnical Journal, 2019, 56, 505-513.	1.4	30
82	Hydrologic Behavior of Residual Soil Slopes in Singapore. Journal of Hydrologic Engineering - ASCE, 2003, 8, 133-144.	0.8	29
83	Two and three-dimensional slope stability reanalyses of Bukit Batok slope. Computers and Geotechnics, 2012, 42, 81-88.	2.3	29
84	Upper-Bound Limit Analysis of Unsaturated Soil Slopes under Rainfall. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	1.5	29
85	Estimation of tensile strength of sandy soil from soilâ€“water characteristic curve. Acta Geotechnica, 2020, 15, 3371-3381.	2.9	29
86	Estimation of the wetting scanning curves for sandy soils. Engineering Geology, 2020, 272, 105635.	2.9	29
87	Effects of soilâ€“water characteristic curve and relative permeability equations on estimation of unsaturated permeability function. Soils and Foundations, 2015, 55, 1400-1411.	1.3	28
88	Comprehensive Instrumentation for Real Time Monitoring of Flux Boundary Conditions in Slope. Procedia Earth and Planetary Science, 2014, 9, 23-43.	0.6	27
89	Understanding the stability of Samanea saman trees through tree pulling, analytical calculations and numerical models. Urban Forestry and Urban Greening, 2014, 13, 355-364.	2.3	27
90	Uncertainty in the estimation of hysteresis of soilâ€“water characteristic curve. Environmental Geotechnics, 2019, 6, 204-213.	1.3	27

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91	Measurement of wave velocities and attenuation using an ultrasonic test system. Canadian Geotechnical Journal, 2004, 41, 844-860.	1.4	26
92	Drying and wetting characteristics of a two-layer soil column. Canadian Geotechnical Journal, 2007, 44, 20-32.	1.4	26
93	Pore-water pressure and water volume change of an unsaturated soil under infiltration conditions. Canadian Geotechnical Journal, 2005, 42, 1509-1531.	1.4	25
94	Field instrumentations and monitoring of GeoBarrier System for steep slope protection. Transportation Geotechnics, 2018, 16, 29-42.	2.0	25
95	Effect of range of soilâ€“water characteristic curve measurements on estimation of permeability function. Engineering Geology, 2015, 185, 96-104.	2.9	23
96	Measurement of geotextile-water characteristic curve using capillary rise principle. Geosynthetics International, 2008, 15, 86-94.	1.5	22
97	Saturated and unsaturated stability analysis of slope subjected to rainfall infiltration. MATEC Web of Conferences, 2017, 101, 05004.	0.1	22
98	Role of unsaturated soil properties in the development of slope susceptibility map. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2022, 175, 276-288.	0.9	22
99	Three-dimensional slope stability analysis incorporating unsaturated soil properties in Singapore. Georisk, 2021, 15, 98-112.	2.6	22
100	Effects of Hysteresis on Shear Strength Envelopes from Constant Water Content and Consolidated Drained Triaxial Tests. , 2006, , 1212.		21
101	Use of instantaneous profile and statistical methods to determine permeability functions of unsaturated soils. Canadian Geotechnical Journal, 2009, 46, 869-874.	1.4	21
102	Closedâ€Form Heave Solutions for Expansive Soils. Journal of Geotechcnical Engineering, 1988, 114, 573-588.	0.4	20
103	Spatial and temporal variability of pore-water pressures in residual soil slopes in a tropical climate. Earth Surface Processes and Landforms, 2002, 27, 317-338.	1.2	20
104	Deformation characteristics of unstable shallow slopes triggered by rainfall infiltration. Bulletin of Engineering Geology and the Environment, 2021, 80, 317-344.	1.6	20
105	Coupled Model for Heat, Moisture, Air Flow, and Deformation Problems in Unsaturated Soils. Journal of Engineering Mechanics - ASCE, 1998, 124, 1331-1338.	1.6	19
106	Microporous Membrane Technology for Measurement of Soil-Water Characteristic Curve. Geotechnical Testing Journal, 2012, 35, 201-208.	0.5	19
107	Experimental Study of 1-D Capillary Barrier Model Using Geosynthetic Material as the Coarse-Grained Layer. , 2006, , 1683.		18
108	Sensing and monitoring for assessment of rainfall-induced slope failures in residual soil. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2019, 172, 496-506.	0.9	18

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109	Effect of the uncertainty in soil-water characteristic curve on the estimated shear strength of unsaturated soil. Journal of Zhejiang University: Science A, 2020, 21, 317-330.	1.3	18
110	Spatial variations of air-entry value for residual soils in Singapore. Catena, 2019, 174, 259-268.	2.2	17
111	Humidity sensing using plastic optical fibers. Microwave and Optical Technology Letters, 2004, 43, 387-390.	0.9	16
112	Effects of unsaturated properties on stability of slope covered with Caesalpinia crista in Singapore. Environmental Geotechnics, 2020, 7, 393-403.	1.3	16
113	Tree-pulling experiment: an analysis into the mechanical stability of rain trees. Trees - Structure and Function, 2010, 24, 1007-1015.	0.9	15
114	Evaluation of MLP-ANN Training Algorithms for Modeling Soil Pore-Water Pressure Responses to Rainfall. Journal of Hydrologic Engineering - ASCE, 2013, 18, 50-57.	0.8	15
115	Measurement of a soil-water characteristic curve and unsaturated permeability using the evaporation method and the chilled-mirror method. Journal of Zhejiang University: Science A, 2019, 20, 368-374.	1.3	15
116	Spatial distribution, variation and trend of five-day antecedent rainfall in Singapore. Georisk, 2020, 14, 177-191.	2.6	15
117	Characteristics of unsaturated soil slope covered with capillary barrier system and deep-rooted grass under different rainfall patterns. International Soil and Water Conservation Research, 2021, 9, 405-418.	3.0	15
118	Assessment of critical rainfall scenarios for slope stability analyses based on historical rainfall records in Singapore. Environmental Earth Sciences, 2022, 81, 1.	1.3	15
119	Accuracy of suction measurement. Geotechnique, 2007, 57, 547-556.	2.2	14
120	New approach to improve soil-water characteristic curve to reduce variation in estimation of unsaturated permeability function. Canadian Geotechnical Journal, 2016, 53, 717-725.	1.4	14
121	Effect of concrete waste particles on infiltration characteristics of soil. Environmental Earth Sciences, 2018, 77, 1.	1.3	14
122	Stability analysis of laterally loaded trees based on tree-root-soil interaction. Urban Forestry and Urban Greening, 2020, 49, 126639.	2.3	14
123	Estimation of effective cohesion using artificial neural networks based on index soil properties: A Singapore case. Engineering Geology, 2021, 289, 106163.	2.9	14
124	Soil database development with the application of machine learning methods in soil properties prediction. Engineering Geology, 2022, 306, 106769.	2.9	14
125	Effects of Rainfall Characteristics on the Stability of Tropical Residual Soil Slope. E3S Web of Conferences, 2016, 9, 15004.	0.2	12
126	Theoretical method for the estimation of vapour conductivity for unsaturated soil. Engineering Geology, 2021, 295, 106447.	2.9	12

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127	Stability of containerized urban street trees. Landscape and Ecological Engineering, 2016, 12, 13-24.	0.7	11
128	Back-analysis of the water retention curve of a GCL on the wetting path. Geosynthetics International, 2020, 27, 523-537.	1.5	11
129	Mechanical behavior of trees with structural defects under lateral load: A numerical modeling approach. Urban Forestry and Urban Greening, 2021, 59, 126987.	2.3	11
130	Field instrumentation for monitoring of water, heat, and gas transfers through unsaturated soils. Engineering Geology, 2012, 151, 24-36.	2.9	10
131	Estimation of the hydraulic conductivity of unsaturated soil incorporating the film flow. Canadian Geotechnical Journal, 2022, 59, 1679-1684.	1.4	10
132	Characteristics of Scanning Curves of Two Soils. Soils and Foundations, 2007, 47, 97-108.	1.3	9
133	Application of geosynthetic material in capillary barriers for slope stabilisation. Geosynthetics International, 2010, 17, 323-331.	1.5	9
134	Effect of hydraulic anisotropy on soilâ€“water characteristic curve. Soils and Foundations, 2016, 56, 228-239.	1.3	9
135	Flux boundary measurements for the study of tree stability. Landscape and Ecological Engineering, 2017, 13, 81-92.	0.7	9
136	CFD analyses of the wind drags on Khaya Senegalensis and Eugenia Grandis. Urban Forestry and Urban Greening, 2018, 34, 29-43.	2.3	9
137	Effect of Antecedent Conditions on Prediction of Pore-Water Pressure using Artificial Neural Networks. Modern Applied Science, 2012, 6, .	0.4	8
138	Effect of Rainfall Infiltration on Deformation of Geobarrier Wall. Geotechnical and Geological Engineering, 2019, 37, 1383-1399.	0.8	8
139	Analyses and design of steep slope with GeoBarrier system (GBS) under heavy rainfall. Geotextiles and Geomembranes, 2020, 48, 157-169.	2.3	8
140	Field instrumentation for real-time measurement of soil-water characteristic curve. International Soil and Water Conservation Research, 2022, 10, 586-596.	3.0	8
141	Controlling parameter for unsaturated soil property functions: validated on the unsaturated shear strength. Canadian Geotechnical Journal, 2015, 52, 374-381.	1.4	7
142	Measurement of soil suction using moist filter paper. E3S Web of Conferences, 2016, 9, 10012.	0.2	7
143	Unsaturated elasto-plastic constitutive equations for compacted kaolin under consolidated drained and shearing-infiltration conditions. Soils and Foundations, 2018, 58, 534-546.	1.3	7
144	Stability of unsaturated soil slopes covered with Melastoma malabathricum in Singapore. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2019, 172, 530-540.	0.9	7

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145	New Osmotic Tensiometer Development. Geotechnical Testing Journal, 2021, 44, 722-740.	0.5	7
146	Behaviour of Capillary Barrier System Constructed using Residual Soil. , 2005, , 1.		6
147	1D Infiltration Behavior of Two-Layered Recycled Concrete Aggregates Using Hydrophobic Materials in a Column Apparatus. Journal of Materials in Civil Engineering, 2017, 29, .	1.3	6
148	Numerical simulations of triaxial shearing-infiltration tests. Soils and Foundations, 2018, 58, 398-411.	1.3	6
149	Spatial variation of shear strength properties incorporating auxiliary variables. Catena, 2021, 200, 105196.	2.2	6
150	Effectiveness of Capillary Barrier and Vegetative Slope Covers in Maintaining Soil Suction. Soils and Rocks, 2016, , 51-69.	0.2	6
151	Reply to the discussion by Bellia et al. on â€œDetermination of soilâ€“water characteristic curve variablesâ€• Computers and Geotechnics, 2012, 45, 151-152.	2.3	5
152	Performance of Residual Soil as Cover System for a Sanitary Landfill in Singapore. Journal of Performance of Constructed Facilities, 2017, 31, .	1.0	5
153	Laboratory investigation on hydraulic anisotropy behavior of unsaturated soil. Canadian Geotechnical Journal, 2017, 54, 1034-1046.	1.4	5
154	Effect of weather conditions on leans of one Eugenia Grandis tree in Singapore. Urban Forestry and Urban Greening, 2019, 43, 126375.	2.3	5
155	Mechanical response of the real tree root architecture under lateral load. Canadian Journal of Forest Research, 2020, 50, 595-607.	0.8	5
156	Soil database for development of soil properties envelope. Engineering Geology, 2022, 304, 106698.	2.9	5
157	Calibration of a thermal conductivity sensor for field measurement of matric suction. Geotechnique, 2012, 62, 81-85.	2.2	4
158	Effects of organic content on soil-water characteristic curve and soil shrinkage. Environmental Geotechnics, 2021, 8, 442-451.	1.3	4
159	Anchorage and stability of tree rootâ€“soil plates. Environmental Geotechnics, 2020, 7, 330-337.	1.3	4
160	DEVELOPMENT ASSESSMENT OF THE SINGAPORE LAND: A GIS SPATIAL-TEMPORAL APPROACH BASED ON LAND COVER ANALYSIS. Geographia Technica, 2019, 14, 60-73.	0.2	4
161	Soilâ€“Water Characteristic Curve and Permeability Function of Recycled Concrete Aggregates Coated with Oil or Wax. Geotechnical Testing Journal, 2019, 42, 20170404.	0.5	4
162	Structured soil mixture for solving deformation issue in GeoBarrier System. Transportation Geotechnics, 2022, 33, 100727.	2.0	4

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163	Effect of Cr on the performance of Fredlund and Xing (1994)'s equation in best fitting soil-water characteristic curve data. Results in Engineering, 2022, 13, 100373.	2.2	4
164	Role of Actual Evaporation on the Stability of Residual Soil Slope. Geotechnical and Geological Engineering, 0, , .	0.8	4
165	Soil-Water Characteristic Curves for Compacted Clays. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1999, 125, 629-630.	1.5	3
166	Discussion of â€œAssessment of the use of the vapour equilibrium technique in controlled-suction testsâ€Appears in Canadian Geotechnical Journal: 46(4): 411â€“423.. Canadian Geotechnical Journal, 2009, 46, 1482-1484.	1.4	3
167	Closure to â€œShear Strength Equations for Unsaturated Soil under Drying and Wettingâ€•by Goh Shin Guan, Harianto Rahardjo, and Leong Eng Choon. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 1313-1315.	1.5	3
168	GIS-Based Approach to Identify the Suitable Locations for Soil Sampling in Singapore. Geographia Technica, 2019, 14, 103-117.	0.2	3
169	Humidity sensing using plastic optical fibers. , 2004, 5590, 77.		2
170	Structural cell contribution to resistance of trees to uprooting. Trees - Structure and Function, 2016, 30, 1843-1853.	0.9	2
171	Preventive measures for rainfall-induced slope failures in Singapore. , 2021, , 205-223.		2
172	Regional stability and adaptation measures slope failures due to rainfall in Singapore. Environmental Geotechnics, 0, , 1-14.	1.3	2
173	Reply to the discussion by A.C. Londono on "Response of a residual soil slope to rainfall". Canadian Geotechnical Journal, 2006, 43, 984.	1.4	1
174	Calibrations of a high-suction tensiometer S. D. N. LOURENÃ§O, D. GALLIPOLI, D. G. TOLL, C. E. AUGARDE, F. D. EVANS and G. M. MEDERO (2008).. Geotechnique, 2010, 60, 233-234.	2.2	1
175	Governing failure mode of unsaturated soil slopes under rainwater infiltration. E3S Web of Conferences, 2016, 9, 15008.	0.2	1
176	Effect of soil hydraulic properties on water infiltration of containerised soil. Landscape and Urban Planning, 2017, 165, 84-92.	3.4	1
177	Performance of capillary barrier as a sustainable slope protection. MATEC Web of Conferences, 2021, 337, 03021.	0.1	1
178	Modification of Volumetric Pressure Plate Extractor. Journal of ASTM International, 2010, 7, 1-11.	0.2	1
179	Advancement in the Analysis of Seepage through Cracked Soils. Journal of Engineering and Technological Sciences, 2018, 50, 566.	0.3	1
180	Elastoplastic Behavior of Compacted Kaolin under Consolidated Drained and Shearing Infiltration Conditions. Geotechnical Testing Journal, 2020, 43, 20180218.	0.5	1

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181	Use of synthesised polymers for the development of new osmotic tensiometers. Geotechnique, 2023, 73, 544-552.	2.2	1
182	Unsaturated Properties of Singapore Urban Soils. , 2022, , 321-335.		1
183	Long-term decay of the water pressure in the osmotic tensiometer. Journal of Rock Mechanics and Geotechnical Engineering, 2023, 15, 738-746.	3.7	1
184	Closure to â€œ Closedâ€Form Heave Solutions for Expansive Soils â€•by R. Rama Rao, Harianto Rahardjo, and Delwyn G. Fredlund (May, 1988, Vol. 114, No. 5). Journal of Geotechcnical Engineering, 1989, 115, 1822-1823.	0.4	0
185	Discussion: A framework for unsaturated soils behaviour. Geotechnique, 1991, 41, 159-161.	2.2	0
186	Response to discussion on â€œEffects of different drying rates on shrinkage characteristics of a residual soil and soil mixturesâ€•by Mamert Mbonimpa, Michel Aubertin, Bruno Bussiere [Engineering Geology 107/3â€“4 (2009) 172â€“173]. Engineering Geology, 2010, 110, 30-31.	2.9	0
187	Rapid Drawdown of Water Table in Layered Soil Column. , 2010, , .		0
188	Laboratory Study of Steady-State Vertical Infiltration in Layered Soils. , 2011, , .		0
189	Field instrumentation for performance assessment of Geobarrier System. E3S Web of Conferences, 2016, 9, 15006.	0.2	0
190	Application of fitting parameters in best fit equation. E3S Web of Conferences, 2016, 9, 10008.	0.2	0
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