

# Jian-Hua Yin

## List of Publications by Year in descending order

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249  
papers

8,037  
citations

41344

49  
h-index

76900

74  
g-index

258  
all docs

258  
docs citations

258  
times ranked

3344  
citing authors

#	ARTICLE	IF	CITATIONS
1	Viscousâ€‘elasticâ€‘plastic modelling of one-dimensional time-dependent behaviour of clays. Canadian Geotechnical Journal, 1989, 26, 199-209.	2.8	231
2	Experimental investigation of creep behavior of salt rock. International Journal of Rock Mechanics and Minings Sciences, 1999, 36, 233-242.	5.8	214
3	A new elastic viscoplastic model for time-dependent behaviour of normally and overconsolidated clays: theory and verification. Canadian Geotechnical Journal, 2002, 39, 157-173.	2.8	188
4	Equivalent times and one-dimensional elastic viscoplastic modelling of time-dependent stressâ€‘strain behaviour of clays. Canadian Geotechnical Journal, 1994, 31, 42-52.	2.8	176
5	Non-linear creep of soils in oedometer tests. Geotechnique, 1999, 49, 699-707.	4.0	160
6	Slope Stability Analysis with Nonlinear Failure Criterion. Journal of Engineering Mechanics - ASCE, 2004, 130, 267-273.	2.9	153
7	A simplified method for analysis of a piled embankment reinforced with geosynthetics. Geotextiles and Geomembranes, 2009, 27, 39-52.	4.6	153
8	Elastic viscoplastic modelling of the time-dependent stress-strain behaviour of soils. Canadian Geotechnical Journal, 1999, 36, 736-745.	2.8	143
9	Dynamic analysis and numerical modeling of the 2015 catastrophic landslide of the construction waste landfill at Guangming, Shenzhen, China. Landslides, 2017, 14, 705-718.	5.4	142
10	Upper bound solution for ultimate bearing capacity with a modified Hoekâ€‘Brown failure criterion. International Journal of Rock Mechanics and Minings Sciences, 2005, 42, 550-560.	5.8	133
11	A three-dimensional slope stability analysis method using the upper bound theorem. International Journal of Rock Mechanics and Minings Sciences, 2001, 38, 369-378.	5.8	131
12	Influence of Grouting Pressure and Overburden Stress on the Interface Resistance of a Soil Nail. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 1198-1208.	3.0	111
13	Elastic visco-plastic modelling of one-dimensional consolidation. Geotechnique, 1996, 46, 515-527.	4.0	110
14	Rate-Dependent and Long-Term Yield Stress and Strength of Soft Wenzhou Marine Clay: Experiments and Modeling. Marine Georesources and Geotechnology, 2015, 33, 79-91.	2.1	109
15	Properties and behaviour of Hong Kong marine deposits with different clay contents. Canadian Geotechnical Journal, 1999, 36, 1085-1095.	2.8	93
16	Comparison of Interface Shear Strength of Soil Nails Measured by Both Direct Shear Box Tests and Pullout Tests. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 1097-1107.	3.0	92
17	Field Pullout Testing and Performance Evaluation of GFRP Soil Nails. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 633-642.	3.0	92
18	An optical fibre monitoring system for evaluating the performance of a soil nailed slope. Smart Structures and Systems, 2012, 9, 393-410.	1.9	92

#	ARTICLE	IF	CITATIONS
19	A review of previous studies on the applications of optical fiber sensors in geotechnical health monitoring. Measurement: Journal of the International Measurement Confederation, 2014, 58, 207-214.	5.0	91
20	Large-scale geomechanical model testing of an underground cavern group in a true three-dimensional (3-D) stress state. Canadian Geotechnical Journal, 2010, 47, 935-946.	2.8	90
21	Influence of Nonassociativity on the Bearing Capacity of a Strip Footing. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 985-989.	3.0	88
22	Upper bound limit analysis of slope stability using rigid finite elements and nonlinear programming. Canadian Geotechnical Journal, 2003, 40, 742-752.	2.8	83
23	Consolidation analysis of soil with vertical and horizontal drainage under ramp loading considering smear effects. Geotextiles and Geomembranes, 2004, 22, 63-74.	4.6	82
24	Strain-rate-dependent stress-strain behavior of overconsolidated Hong Kong marine clay. Canadian Geotechnical Journal, 2000, 37, 1272-1282.	2.8	80
25	A three-dimensional slope stability analysis method using the upper bound theorem Part II: numerical approaches, applications and extensions. International Journal of Rock Mechanics and Minings Sciences, 2001, 38, 379-397.	5.8	79
26	Influence of Overburden Pressure on Soil's Nail Pullout Resistance in a Compacted Fill. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1339-1347.	3.0	76
27	Stability analysis of rock slopes with a modified Hoek's Brown failure criterion. International Journal for Numerical and Analytical Methods in Geomechanics, 2004, 28, 181-190.	3.3	71
28	Time-Dependent Unified Hardening Model: Three-Dimensional Elastoviscoplastic Constitutive Model for Clays. Journal of Engineering Mechanics - ASCE, 2015, 141, .	2.9	71
29	Monitoring of lateral displacements of a slope using a series of special fibre Bragg grating-based in-place inclinometers. Measurement Science and Technology, 2012, 23, 025007.	2.6	69
30	Slope Equivalent Mohr's Coulomb Strength Parameters for Rock Masses Satisfying the Hoek's Brown Criterion. Rock Mechanics and Rock Engineering, 2010, 43, 505-511.	5.4	68
31	Shear strength and dilative characteristics of an unsaturated compacted completely decomposed granite soil. Canadian Geotechnical Journal, 2010, 47, 1112-1126.	2.8	68
32	Comparative Modeling Study of Reinforced Beam on Elastic Foundation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2000, 126, 265-271.	3.0	65
33	Influences of overburden pressure and soil dilation on soil nail pull-out resistance. Computers and Geotechnics, 2010, 37, 555-564.	4.7	64
34	Stress relaxation coefficient and formulation for soft soils. Geotechnique Letters, 2014, 4, 45-51.	1.2	64
35	Influences of principal stress direction and intermediate principal stress on the stress-strain-strength behaviour of completely decomposed granite. Canadian Geotechnical Journal, 2010, 47, 164-179.	2.8	63
36	Monitoring and warning of landslides and debris flows using an optical fiber sensor technology. Journal of Mountain Science, 2011, 8, 728-738.	2.0	63

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37	A new simplified method and its verification for calculation of consolidation settlement of a clayey soil with creep. Canadian Geotechnical Journal, 2017, 54, 333-347.	2.8	63
38	Finite element modelling of pullout testing on a soil nail in a pullout box under different overburden and grouting pressures. Canadian Geotechnical Journal, 2011, 48, 557-567.	2.8	61
39	Characterization of permanent axial strain of granular materials subjected to cyclic loading based on shakedown theory. Construction and Building Materials, 2019, 198, 751-761.	7.2	59
40	The influence of grouting pressure on the pullout resistance of soil nails in compacted completely decomposed granite fill. Geotechnique, 2009, 59, 103-113.	4.0	58
41	Modelling Geosynthetic-Reinforced Granular Fills Over Soft Soil. Geosynthetics International, 1997, 4, 165-185.	2.9	57
42	Closed-Form Solution for Reinforced Timoshenko Beam on Elastic Foundation. Journal of Engineering Mechanics - ASCE, 2000, 126, 868-874.	2.9	57
43	Long-term Non-linear creep and swelling behavior of Hong Kong marine deposits in oedometer condition. Computers and Geotechnics, 2017, 84, 1-15.	4.7	57
44	Monitoring Internal Displacements of a Model Dam Using FBG Sensing Bars. Advances in Structural Engineering, 2010, 13, 249-261.	2.4	56
45	Safety Monitoring of Railway Tunnel Construction Using FBG Sensing Technology. Advances in Structural Engineering, 2013, 16, 1401-1409.	2.4	54
46	A single-objective EPR based model for creep index of soft clays considering L2 regularization. Engineering Geology, 2019, 248, 242-255.	6.3	54
47	A simple mathematical model for soil nail and soil interaction analysis. Computers and Geotechnics, 2008, 35, 479-488.	4.7	52
48	The performance of an embankment on soft ground reinforced with geosynthetics and pile walls. Geosynthetics International, 2009, 16, 173-182.	2.9	52
49	Development of novel optical fiber sensors for measuring tilts and displacements of geotechnical structures. Measurement Science and Technology, 2013, 24, 095202.	2.6	51
50	Influence of degree of saturation on soil nail pull-out resistance in compacted completely decomposed granite fill. Canadian Geotechnical Journal, 2007, 44, 1314-1328.	2.8	48
51	Behavior of a Compacted Completely Decomposed Granite Soil from Suction Controlled Direct Shear Tests. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 189-198.	3.0	48
52	Behavior of a Pressure-Grouted Soil-Cement Interface in Direct Shear Tests. International Journal of Geomechanics, 2014, 14, 101-109.	2.7	48
53	A new measurement approach for deflection monitoring of large-scale bored piles using distributed fiber sensing technology. Measurement: Journal of the International Measurement Confederation, 2018, 117, 444-454.	5.0	48
54	The influence of a non-associated flow rule on the calculation of the factor of safety of soil slopes. International Journal for Numerical and Analytical Methods in Geomechanics, 2001, 25, 1351-1359.	3.3	47

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55	Elastic Anisotropic Viscoplastic Modeling of the Strain-Rate-Dependent Stress–Strain Behavior of K0-Consolidated Natural Marine Clays in Triaxial Shear Tests. <i>International Journal of Geomechanics</i> , 2005, 5, 218-232.	2.7	47
56	Interface Behavior from Suction-Controlled Direct Shear Test on Completely Decomposed Granitic Soil and Steel Surfaces. <i>International Journal of Geomechanics</i> , 2016, 16, .	2.7	47
57	Accumulated Permanent Axial Strain of a Subgrade Fill under Cyclic High-Speed Railway Loading. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	45
58	Influence of Grouting Pressure on the Behavior of an Unsaturated Soil-Cement Interface. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 193-202.	3.0	44
59	A new flexible FBG sensing beam for measuring dynamic lateral displacements of soil in a shaking table test. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013, 46, 200-209.	5.0	44
60	Dilatancy and Strength of an Unsaturated Soil-Cement Interface in Direct Shear Tests. <i>International Journal of Geomechanics</i> , 2015, 15, .	2.7	44
61	Constitutive modeling of time-dependent stress–strain behaviour of saturated soils exhibiting both creep and swelling. <i>Canadian Geotechnical Journal</i> , 2011, 48, 1870-1885.	2.8	43
62	Experimental study on the pullout resistance of pressure-grouted soil nails in the field. <i>Canadian Geotechnical Journal</i> , 2013, 50, 693-704.	2.8	43
63	Analysis of excavation induced stress distributions of GFRP anchors in a soil slope using distributed fiber optic sensors. <i>Engineering Geology</i> , 2016, 213, 55-63.	6.3	43
64	Slope stability analysis based on real-time displacement measurements. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 131, 686-693.	5.0	43
65	Modelling unanticipated pore-water pressures in soft clays. <i>Canadian Geotechnical Journal</i> , 1994, 31, 773-778.	2.8	42
66	Elastic viscoplastic consolidation modelling and interpretation of pore-water pressure responses in clay underneath Tarsiut Island. <i>Canadian Geotechnical Journal</i> , 1999, 36, 708-717.	2.8	38
67	Consolidation analysis of a cross-anisotropic homogeneous elastic soil using a finite layer numerical method. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2004, 28, 111-129.	3.3	38
68	Physical Modeling of a Footing on Soft Soil Ground with Deep Cement Mixed Soil Columns under Vertical Loading. <i>Marine Georesources and Geotechnology</i> , 2010, 28, 173-188.	2.1	38
69	Measurement of small strain behavior of a local soil by fiber Bragg grating-based local displacement transducers. <i>Acta Geotechnica</i> , 2014, 9, 935-943.	5.7	38
70	A new simplified Hypothesis B method for calculating consolidation settlements of double soil layers exhibiting creep. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2017, 41, 899-917.	3.3	38
71	Coupled mechanical and hydraulic modeling of a geosynthetic-reinforced and pile-supported embankment. <i>Computers and Geotechnics</i> , 2013, 52, 28-37.	4.7	37
72	Backward Transfer-Matrix Method for Elastic Analysis of Layered Solids with Imperfect Bonding. <i>Journal of Elasticity</i> , 1998, 50, 109-128.	1.9	36

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73	Finite element consolidation analysis of soils with vertical drain. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2000, 24, 337-366.	3.3	36
74	Effect of Initial Density, Particle Shape, and Confining Stress on the Critical State Behavior of Weathered Gap-Graded Granular Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	3.0	36
75	Stress-Strain behaviour of Cement-Stabilized Hong Kong marine deposits. <i>Construction and Building Materials</i> , 2021, 274, 122103.	7.2	35
76	Consolidation of soil under depth-dependent ramp load. <i>Canadian Geotechnical Journal</i> , 1998, 35, 344-350.	2.8	34
77	Behavior of EPS geofoam in true triaxial compression tests. <i>Geotextiles and Geomembranes</i> , 2008, 26, 175-180.	4.6	34
78	Analytical Study on Progressive Pullout Behavior of a Soil Nail. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 500-507.	3.0	34
79	Monitoring and analysis of PHC pipe piles under hydraulic jacking using FBG sensing technology. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 49, 358-367.	5.0	34
80	The pore water pressure sensor based on Sagnac interferometer with polarization-maintaining photonic crystal fiber for the geotechnical engineering. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 90, 208-214.	5.0	34
81	Analytical study for double-layer geosynthetic reinforced load transfer platform on column improved soft soil. <i>Geotextiles and Geomembranes</i> , 2017, 45, 508-536.	4.6	34
82	New Gradation Equation and Applicability for Particle-Size Distributions of Various Soils. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	32
83	Estimation of seismic passive earth pressures with nonlinear failure criterion. <i>Engineering Structures</i> , 2006, 28, 342-348.	5.3	31
84	Simplified Analytical Method for Calculating the Maximum Shear Stress of Nail-Soil Interface. <i>International Journal of Geomechanics</i> , 2012, 12, 309-317.	2.7	31
85	Point load strength index of granitic irregular lumps: Size correction and correlation with uniaxial compressive strength. <i>Tunnelling and Underground Space Technology</i> , 2017, 70, 388-399.	6.2	31
86	Comparison of Strain-rate Dependent Stress-Strain Behavior from Ko-consolidated Compression and Extension Tests on Natural Hong Kong Marine Deposits. <i>Marine Georesources and Geotechnology</i> , 2006, 24, 119-147.	2.1	30
87	Influence of relative compaction on the hydraulic conductivity of completely decomposed granite in Hong Kong. <i>Canadian Geotechnical Journal</i> , 2009, 46, 1229-1235.	2.8	30
88	Responses of Excess Pore Water Pressure in Soft Marine Clay around a Soil-Cement Column. <i>International Journal of Geomechanics</i> , 2007, 7, 167-175.	2.7	29
89	Performance Monitoring of a Glass Fiber-Reinforced Polymer Bar Soil Nail during Laboratory Pullout Test Using FBG Sensing Technology. <i>International Journal of Geomechanics</i> , 2013, 13, 467-472.	2.7	29
90	Consolidation modelling of soils under the test embankment at Chek Lap Kok International Airport in Hong Kong using a simplified finite element method. <i>Canadian Geotechnical Journal</i> , 2001, 38, 349-363.	2.8	28

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91	Stresses and displacements of a transversely isotropic elastic halfspace due to rectangular loadings. <i>Engineering Analysis With Boundary Elements</i> , 2005, 29, 647-671.	3.7	28
92	Uniaxial compressive strength and point load index of volcanic irregular lumps. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2017, 93, 307-315.	5.8	28
93	Time-Dependent Stress-Strain Behavior of Soft Hong Kong Marine Deposits. <i>Geotechnical Testing Journal</i> , 1999, 22, 118-126.	1.0	28
94	Field static load tests on drilled shaft founded on or socketed into rock. <i>Canadian Geotechnical Journal</i> , 2000, 37, 1283-1294.	2.8	27
95	Rigid Finite Element Method for Upper Bound Limit Analysis of Soil Slopes Subjected to Pore Water Pressure. <i>Journal of Engineering Mechanics - ASCE</i> , 2004, 130, 886-893.	2.9	27
96	Linear Mohr-Coulomb strength parameters from the non-linear Hoek-Brown rock masses. <i>International Journal of Non-Linear Mechanics</i> , 2006, 41, 1000-1005.	2.6	27
97	New Simple Method for Calculating Impact Force on Flexible Barrier Considering Partial Muddy Debris Flow Passing Through. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, 04019051.	3.0	27
98	A Modified Suction-Controlled Direct Shear Device for Testing Unsaturated Soil and Steel Plate Interface. <i>Marine Georesources and Geotechnology</i> , 2015, 33, 289-298.	2.1	26
99	Physical modelling of consolidation of Hong Kong marine clay with prefabricated vertical drains. <i>Canadian Geotechnical Journal</i> , 2006, 43, 638-652.	2.8	25
100	An elastoplastic model for gap-graded soils based on homogenization theory. <i>International Journal of Solids and Structures</i> , 2019, 163, 1-14.	2.7	25
101	Influence of matric suction on nonlinear time-dependent compression behavior of a granular fill material. <i>Acta Geotechnica</i> , 2020, 15, 615-633.	5.7	25
102	Crushing and Flooding Effects on One-Dimensional Time-Dependent Behaviors of a Granular Soil. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	25
103	Numerical study of creep effects on settlements and load transfer mechanisms of soft soil improved by deep cement mixed soil columns under embankment load. <i>Geotextiles and Geomembranes</i> , 2020, 48, 331-348.	4.6	25
104	Influence of the intermediate principal stress on the stress-strain-strength behaviour of a completely decomposed granite soil. <i>Geotechnique</i> , 2012, 62, 275-280.	4.0	24
105	Bearing capacity and settlement of weak fly ash ground improved using lime-fly ash or stone columns. <i>Canadian Geotechnical Journal</i> , 2002, 39, 585-596.	2.8	23
106	Influence of a nonlinear failure criterion on the bearing capacity of a strip footing resting on rock mass using a lower bound approach. <i>Canadian Geotechnical Journal</i> , 2003, 40, 702-707.	2.8	23
107	Free vibration analysis of a plate on foundation with completely free boundary by finite integral transform method. <i>Mechanics Research Communications</i> , 2008, 35, 268-275.	1.8	23
108	Effects of water content on resilient modulus of a granular material with high fines content. <i>Construction and Building Materials</i> , 2020, 236, 117542.	7.2	23

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109	Measured and predicted time-dependent stress-strain behaviour of Hong Kong marine deposits. Canadian Geotechnical Journal, 1999, 36, 760-766.	2.8	22
110	Elastic visco-plastic consolidation modelling of clay foundation at Berthierville test embankment. International Journal for Numerical and Analytical Methods in Geomechanics, 2000, 24, 491-508.	3.3	22
111	Wedge Stability Analysis Considering Dilatancy of Discontinuities. Rock Mechanics and Rock Engineering, 2002, 35, 127-137.	5.4	22
112	Strain-Rate Dependent Stress-Strain Behavior of Undisturbed Hong Kong Marine Deposits under Oedometric and Triaxial Stress States. Marine Georesources and Geotechnology, 2005, 23, 61-92.	2.1	22
113	Experimental and theoretical investigation on the compression behavior of sand-marine clay mixtures within homogenization framework. Computers and Geotechnics, 2017, 90, 14-26.	4.7	22
114	A new simplified method for calculating consolidation settlement of multi-layer soft soils with creep under multi-stage ramp loading. Engineering Geology, 2020, 264, 105322.	6.3	22
115	A new simplified method for calculating short-term and long-term consolidation settlements of multi-layered soils considering creep limit. Computers and Geotechnics, 2021, 138, 104324.	4.7	22
116	Properties and behaviour of Hong Kong marine deposits with different clay contents. Canadian Geotechnical Journal, 1999, 36, 1085-1095.	2.8	22
117	New mixed boundary, true triaxial loading device for testing three-dimensional stress-strain-strength behaviour of geomaterials. Canadian Geotechnical Journal, 2010, 47, 1-15.	2.8	21
118	Analysis and Mathematical Solutions for Consolidation of a Soil Layer with Depth-Dependent Parameters under Confined Compression. International Journal of Geomechanics, 2012, 12, 451-461.	2.7	21
119	A network theory for BOTDA measurement of deformations of geotechnical structures and error analysis. Measurement: Journal of the International Measurement Confederation, 2019, 146, 618-627.	5.0	21
120	Constitutive modelling of a compacted sand-bentonite mixture using three-modulus hypoelasticity. Canadian Geotechnical Journal, 1990, 27, 365-372.	2.8	20
121	Elastic Analysis of Soil-Geosynthetic Interaction. Geosynthetics International, 2001, 8, 27-48.	2.9	20
122	Calculation of bearing capacity of a strip footing using an upper bound method. International Journal for Numerical and Analytical Methods in Geomechanics, 2001, 25, 841-851.	3.3	20
123	Solution charts for the consolidation of double soil layers. Canadian Geotechnical Journal, 2005, 42, 949-956.	2.8	20
124	Experimental and Constitutive Modeling of Relaxation Behaviors of Three Clayey Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1973-1981.	3.0	20
125	Evaluations of load-deformation behavior of soil nail using hyperbolic pullout model. Geomechanics and Engineering, 2014, 6, 277-292.	0.9	20
126	Deformation monitoring of long GFRP bar soil nails using distributed optical fiber sensing technology. Smart Materials and Structures, 2016, 25, 085044.	3.5	20

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127	Computation of point load solutions for geo-materials exhibiting elastic non-homogeneity with depth. <i>Computers and Geotechnics</i> , 1999, 25, 75-105.	4.7	19
128	Analysis of Wedge Stability Using Different Methods. <i>Rock Mechanics and Rock Engineering</i> , 2004, 37, 127-150.	5.4	19
129	Shaking table test study on dynamic behavior of micropiles in loose sand. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 110, 53-69.	3.8	19
130	New Model for Predicting Permanent Strain of Granular Materials in Embankment Subjected to Low Cyclic Loadings. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	3.0	19
131	Experimental study on impact and deposition behaviours of multiple surges of channelized debris flow on a flexible barrier. <i>Landslides</i> , 2020, 17, 1577-1589.	5.4	19
132	Experimental study on the reinforced fly ash and sand retaining wall under static load. <i>Construction and Building Materials</i> , 2020, 248, 118678.	7.2	19
133	Comparative Study on the Elongation Measurement of a Soil Nail Using Optical Lower Coherence Interferometry Method and FBG Method. <i>Advances in Structural Engineering</i> , 2010, 13, 309-319.	2.4	18
134	Influences of Initial Water Content and Roughness on Skin Friction of Piles Using FBG Technique. <i>International Journal of Geomechanics</i> , 2017, 17, 04016097.	2.7	18
135	The stress-strain behaviour and critical state parameters of an unsaturated granular fill material under different suctions. <i>Acta Geotechnica</i> , 2020, 15, 3383-3398.	5.7	18
136	Physical modelling of sliding failure of concrete gravity dam under overloading condition. <i>Geomechanics and Engineering</i> , 2010, 2, 89-106.	0.9	18
137	Design charts for vertical drains considering construction time. <i>Canadian Geotechnical Journal</i> , 2001, 38, 1142-1148.	2.8	17
138	Fundamental Issues of Elastic Viscoplastic Modeling of the Time-Dependent Stress-strain Behavior of Geomaterials. <i>International Journal of Geomechanics</i> , 2015, 15, .	2.7	17
139	Experimental Investigation of Pullout Behavior of Fiber-Reinforced Polymer Reinforcements in Sand. <i>Journal of Composites for Construction</i> , 2015, 19, .	3.2	17
140	An elasto-plastic model of unsaturated soil with an explicit degree of saturation-dependent CSL. <i>Engineering Geology</i> , 2019, 260, 105240.	6.3	17
141	Finite element analysis of consolidation of layered clay soils using an elastic visco-plastic model. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1999, 23, 355-374.	3.3	16
142	A new discrete element model for simulating a flexible ring net barrier under rockfall impact comparing with large-scale physical model test data. <i>Computers and Geotechnics</i> , 2019, 116, 103208.	4.7	16
143	LVDTs-based radial strain measurement system for static and cyclic behavior of geomaterials. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 155, 107526.	5.0	16
144	Fabrication and performance evaluation of a novel FBG-based effective stress cell for directly measuring effective stress in saturated soils. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 155, 107491.	5.0	16

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145	Experimental and numerical investigation of uplift behavior of umbrella-shaped ground anchor. <i>Geomechanics and Engineering</i> , 2014, 7, 165-181.	0.9	16
146	Layered elastic model for analysis of Cone Penetration Testing. , 1999, 23, 829-843.		15
147	Nonlinear Creep and Swelling Behavior of Bentonite Mixed with Different Sand Contents Under Oedometric Condition. <i>Marine Georesources and Geotechnology</i> , 2011, 29, 346-363.	2.1	15
148	Direct Shear Testing Study of the Interface Behavior between Steel Plate and Compacted Completely Decomposed Granite under Different Vertical Stresses and Suctions. <i>Journal of Engineering Mechanics - ASCE</i> , 2018, 144, .	2.9	15
149	Large-scale physical modelling study of a flexible barrier under the impact of granular flows. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 2625-2640.	3.6	15
150	Development and application of new FBG mini tension link transducers for monitoring dynamic response of a flexible barrier under impact loads. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 153, 107409.	5.0	15
151	A bounding surface model for saturated and unsaturated soilâ€‘structure interfaces. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2020, 44, 2412-2429.	3.3	15
152	Time and Strain-Rate Effects on Viscous Stressâ€‘Strain Behavior of Plasticine Material. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	14
153	A new simplified Hypothesis B method for calculating the consolidation settlement of ground improved by vertical drains. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2018, 42, 295-311.	3.3	14
154	Radial consolidation with variable compressibility and permeability following pile installation. <i>Computers and Geotechnics</i> , 2010, 37, 408-412.	4.7	13
155	Creep Coefficient of Binary Sandâ€‘Bentonite Mixtures in Oedometer Testing Using Mixture Theory. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	13
156	Estimation of Hydraulic Conductivity of Saturated Sandâ€‘Marine Clay Mixtures with a Homogenization Approach. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	13
157	An experimental and analytical study of rate-dependent shear behaviour of rough joints. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 142, 104702.	5.8	13
158	A micromechanical-based study on the tribological and creep-relaxation behavior of sand-FRP composite interfaces. <i>Composite Structures</i> , 2021, 275, 114423.	5.8	13
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