Jie Han

List of Publications by Year in descending order

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312 papers	7,444 citations	57758 44 h-index	88630 70 g-index
315 all docs	315 docs citations	315 times ranked	2298 citing authors

#	Article	IF	Citations
1	Simplified Method for Consolidation Rate of Stone Column Reinforced Foundations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 597-603.	3.0	272
2	Design Method for Geogrid-Reinforced Unpaved Roads. I. Development of Design Method. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 775-786.	3.0	211
3	Investigation of factors influencing behavior of single geocell-reinforced bases under static loading. Geotextiles and Geomembranes, 2010, 28, 570-578.	4.6	172
4	3D coupled mechanical and hydraulic modeling of a geosynthetic-reinforced deep mixed column-supported embankment. Geotextiles and Geomembranes, 2009, 27, 272-280.	4.6	170
5	Numerical analysis of foundation columns to support widening of embankments. Computers and Geotechnics, 2007, 34, 435-448.	4.7	136
6	Deep Mixing Induced Property Changes in Surrounding Sensitive Marine Clays. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 845-854.	3.0	136
7	Design Method for Geogrid-Reinforced Unpaved Roads. II. Calibration and Applications. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 787-797.	3.0	135
8	DEM Analysis of Stresses and Deformations of Geogrid-Reinforced Embankments over Piles. International Journal of Geomechanics, 2012, 12, 340-350.	2.7	131
9	Performance of geocell-reinforced recycled asphalt pavement (RAP) bases over weak subgrade under cyclic plate loading. Geotextiles and Geomembranes, 2012, 35, 14-24.	4.6	131
10	Two-dimensional deep-seated slope stability analysis of embankments over stone column-improved soft clay. Engineering Geology, 2011, 120, 103-110.	6.3	114
11	Dewateringâ€“Induced Building Settlement around a Deep Excavation in Soft Deposit in Tianjin, China. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	112
12	Progressive Development of Two-Dimensional Soil Arching with Displacement. International Journal of Geomechanics, 2017, 17, .	2.7	109
13	Accelerated pavement testing of unpaved roads with geocell-reinforced sand bases. Geotextiles and Geomembranes, 2012, 32, 95-103.	4.6	105
14	Geosynthetic Reinforced Multitiered Walls. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 1225-1235.	3.0	104
15	Coupled Mechanical and Hydraulic Modeling of Geosynthetic-Reinforced Column-Supported Embankments. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 1011-1021.	3.0	103
16	Scour effects on the response of laterally loaded piles considering stress history of sand. Computers and Geotechnics, 2010, 37, 1008-1014.	4.7	101
17	Performance of Geocell-Reinforced RAP Bases over Weak Subgrade under Full-Scale Moving Wheel Loads. Journal of Materials in Civil Engineering, 2011, 23, 1525-1534.	2.9	97
18	Experimental study on performance of geosynthetic-reinforced soil model walls on rigid foundations subjected to static footing loading. Geotextiles and Geomembranes, 2016, 44, 81-94.	4.6	93

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19	Experimental Investigation of Soil-Arching Development in Unreinforced and Geosynthetic-Reinforced Pile-Supported Embankments. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	93
20	Investigation of geotextileâ€“soil interaction under a cyclic vertical load using the discrete element method. Geotextiles and Geomembranes, 2010, 28, 33-43.	4.6	86
21	Two-dimensional parametric study of geosynthetic-reinforced column-supported embankments by coupled hydraulic and mechanical modeling. Computers and Geotechnics, 2010, 37, 638-648.	4.7	83
22	Behavior of Geocell-Reinforced Sand under a Vertical Load. Transportation Research Record, 2008, 2045, 95-101.	1.9	82
23	Performance of Triangular Aperture Geogrid-Reinforced Base Courses over Weak Subgrade under Cyclic Loading. Journal of Materials in Civil Engineering, 2013, 25, 1013-1021.	2.9	81
24	Change of hydraulic conductivity during compression of undisturbed and remolded clays. Applied Clay Science, 2011, 51, 86-93.	5.2	79
25	Numerical investigation on factors for deep-seated slope stability of stone column-supported embankments over soft clay. Engineering Geology, 2014, 168, 104-113.	6.3	75
26	Experimental Study of Macro- and Microbehavior of Natural Diatomite. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 603-610.	3.0	71
27	A field study on the behavior of micropiles in clay under compression or tension. Canadian Geotechnical Journal, 2006, 43, 19-29.	2.8	69
28	Analysis of Laterally Loaded Piles in Sand Considering Scour Hole Dimensions. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	69
29	Numerical analysis of tensile behavior of geogrids with rectangular and triangular apertures. Geotextiles and Geomembranes, 2011, 29, 83-91.	4.6	66
30	Analysis of laterally loaded piles in soft clay considering scour-hole dimensions. Ocean Engineering, 2016, 111, 461-470.	4.3	65
31	Effect of Scour on the Behavior of Laterally Loaded Single Piles in Marine Clay. Marine Georesources and Geotechnology, 2013, 31, 271-289.	2.1	64
32	A field study on the behavior of a foundation underpinned by micropiles. Canadian Geotechnical Journal, 2006, 43, 30-42.	2.8	63
33	Analysis of back-to-back mechanically stabilized earth walls. Geotextiles and Geomembranes, 2010, 28, 262-267.	4.6	63
34	Recent research and development of ground column technologies. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2015, 168, 246-264.	1.0	61
35	Limited reinforced space in segmental retaining walls. Geotextiles and Geomembranes, 2004, 22, 543-553.	4.6	57
36	Recent Development of Recycled Asphalt Pavement (RAP) Bases Treated for Roadway Applications. Transportation Infrastructure Geotechnology, 2015, 2, 68-86.	3.1	57

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37	Experimental Investigation of Soil Arching Mobilization and Degradation under Localized Surface Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	57
38	Analytical Model for Resilient Modulus and Permanent Deformation of Geosynthetic-Reinforced Unbound Granular Material. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1443-1453.	3.0	54
39	Three-dimensional numerical modeling of single geocell-reinforced sand. Frontiers of Architecture and Civil Engineering in China, 2010, 4, 233-240.	0.4	53
40	Geosynthetic-reinforced pile-supported embankments: state of the art. Geosynthetics International, 2020, 27, 112-141.	2.9	53
41	Effect of fine content on the pullout resistance mechanism of bearing reinforcement embedded in cohesiveâ€“frictional soils. Geotextiles and Geomembranes, 2015, 43, 107-117.	4.6	52
42	Use of cellular confinement for improved railway performance on soft subgrades. Geotextiles and Geomembranes, 2018, 46, 190-205.	4.6	52
43	Properties and Applications of Cement-Treated Sand-Expanded Polystyrene Bead Lightweight Fill. Journal of Materials in Civil Engineering, 2013, 25, 86-93.	2.9	51
44	Field Instrumentation and Evaluation of Modular-Block MSE Walls with Secondary Geogrid Layers. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	3.0	50
45	Laboratory Study on Geosynthetic Protection of Buried Steel-Reinforced HDPE Pipes from Static Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	46
46	Experimental evaluation of geocell-reinforced bases under repeated loading. International Journal of Pavement Research and Technology, 2018, 11, 114-127.	2.6	45
47	Two-Dimensional Soil-Arching Behavior under Static and Cyclic Loading. International Journal of Geomechanics, 2019, 19, .	2.7	45
48	State-of-Practice Review of Deep Soil Mixing Techniques in China. Transportation Research Record, 2002, 1808, 49-57.	1.9	44
49	Three-Dimensional Discrete-Element Method Analysis of Stresses and Deformations of a Single Geogrid-Encased Stone Column. International Journal of Geomechanics, 2017, 17, .	2.7	44
50	Accelerated Pavement Testing of Geocell-Reinforced Unpaved Roads over Weak Subgrade. Transportation Research Record, 2011, 2204, 67-75.	1.9	43
51	Framework for Limit State Design of Geosynthetic-Reinforced Walls and Slopes. Transportation Infrastructure Geotechnology, 2014, 1, 129-164.	3.1	43
52	Radial stresses and resilient deformations of geogrid-stabilized unpaved roads under cyclic plate loading tests. Geotextiles and Geomembranes, 2015, 43, 440-449.	4.6	43
53	Numerical analysis of field geosynthetic-reinforced retaining walls with secondary reinforcement. Geotechnique, 2019, 69, 122-132.	4.0	43
54	Performance of Cement-Fly Ash-Gravel Pile-Supported High-Speed Railway Embankments over Soft Marine Clay. Marine Georesources and Geotechnology, 2011, 29, 145-161.	2.1	42

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55	Sustainable roadway construction using recycled aggregates with geosynthetics. Sustainable Cities and Society, 2015, 14, 342-350.	10.4	41
56	Laboratory tests to evaluate effectiveness of wicking geotextile in soil moisture reduction. Geotextiles and Geomembranes, 2017, 45, 8-13.	4.6	41
57	Three-dimensional DEM analysis of single geogrid-encased stone columns under unconfined compression: a parametric study. Acta Geotechnica, 2017, 12, 559-572.	5.7	40
58	Laboratory Studies on Property Changes in Surrounding Clays Due to Installation of Deep Mixing Columns. Marine Georesources and Geotechnology, 2003, 21, 15-35.	2.1	37
59	General Analytical Framework for Design of Flexible Reinforced Earth Structures. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 1427-1435.	3.0	37
60	Integral equation method for analysis of piled rafts with dissimilar piles under vertical loading. Computers and Geotechnics, 2009, 36, 419-426.	4.7	37
61	Evaluation of Bearing Capacity on Geosynthetic-Reinforced Soil Structures Considering Multiple Failure Mechanisms. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	37
62	Displacements of column-supported embankments over soft clay after widening considering soil consolidation and column layout: Numerical analysis. Soils and Foundations, 2014, 54, 1054-1069.	3.1	36
63	Effect of Geofoam on Vertical Stress Distribution on Buried Structures Subjected to Static and Cyclic Footing Loads. Journal of Pipeline Systems Engineering and Practice, 2019, 10, 04018027.	1.6	36
64	Evaluation of allowable withdrawn volume of groundwater based on observed data. Natural Hazards, 2013, 67, 513-522.	3.4	35
65	Behavior of Laterally Loaded Piles under Scour Conditions Considering the Stress History of Undrained Soft Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	35
66	Numerical analysis of a pileâ€“slab-supported railway embankment. Acta Geotechnica, 2014, 9, 499-511.	5.7	35
67	Failure modes and bearing capacity of strip footings on soft ground reinforced by floating stone columns. Acta Geotechnica, 2017, 12, 1089-1103.	5.7	34
68	Arching Development in Transparent Soil during Multiple Trapdoor Movement and Surface Footing Loading. International Journal of Geomechanics, 2021, 21, .	2.7	33
69	Performance Evaluation of an Embankment on Soft Soil Improved by Deep Mixed Columns and Prefabricated Vertical Drains. Journal of Performance of Constructed Facilities, 2013, 27, 614-623.	2.0	32
70	Numerical analysis of consolidation of soft soils fully-penetrated by deep-mixed columns. KSCE Journal of Civil Engineering, 2013, 17, 96-105.	1.9	32
71	Creep Behavior of Geocell-Reinforced Recycled Asphalt Pavement Bases. Journal of Materials in Civil Engineering, 2013, 25, 1533-1542.	2.9	32
72	Two and three-dimensional numerical analyses of geosynthetic-reinforced soil (GRS) piers. Geotextiles and Geomembranes, 2019, 47, 352-368.	4.6	32

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73	Factors Influencing Deformations of Geocell-Reinforced Recycled Asphalt Pavement Bases under Cyclic Loading. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	31
74	Refined numerical modeling of a laterally-loaded drilled shaft in an MSE wall. Geotextiles and Geomembranes, 2013, 37, 61-73.	4.6	30
75	Hydrogeochemical environment of aquifer groundwater in Shanghai and potential hazards to underground infrastructures. Natural Hazards, 2015, 78, 753-774.	3.4	30
76	A full-scale physical model test apparatus for investigating the dynamic performance of the slab track system of a high-speed railway. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2016, 230, 554-571.	2.0	30
77	Three-dimensional numerical analysis of individual geotextile-encased sand columns with surrounding loose sand. Geotextiles and Geomembranes, 2018, 46, 836-847.	4.6	30
78	Geosynthetic-reinforced pile-supported embankments with caps in a triangular pattern over soft clay. Geotextiles and Geomembranes, 2020, 48, 52-61.	4.6	30
79	Experimental Study and Numerical Simulation on Concrete Box Culverts in Trenches. Journal of Performance of Constructed Facilities, 2010, 24, 223-234.	2.0	29
80	Behavior of single rammed aggregate piers considering installation effects. Computers and Geotechnics, 2009, 36, 1191-1199.	4.7	28
81	Integrated analysis of the performance of pile-supported bridges under scoured conditions. Engineering Structures, 2012, 36, 27-38.	5.3	27
82	Comprehensive Material Characterizations of Pavement Structure Installed with Wicking Fabrics. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	27
83	Two-dimensional soil arching evolution in geosynthetic-reinforced pile-supported embankments over voids. Geotextiles and Geomembranes, 2022, 50, 82-98.	4.6	27
84	Buckling of Vertically Loaded Fiber-Reinforced Polymer Piles. Journal of Reinforced Plastics and Composites, 1999, 18, 290-318.	3.1	26
85	Stress Analysis on Triangular-Aperture Geogrid-Reinforced Bases over Weak Subgrade under Cyclic Loading. Transportation Research Record, 2011, 2204, 83-91.	1.9	26
86	A three-dimensional mechanistic-empirical model for geocell-reinforced unpaved roads. Acta Geotechnica, 2013, 8, 201-213.	5.7	26
87	Strength and Leachability of Solidified Sewage Sludge with Different Additives. Journal of Materials in Civil Engineering, 2013, 25, 1594-1601.	2.9	26
88	A novel 2D-3D conversion method for calculating maximum strain of geosynthetic reinforcement in pile-supported embankments. Geotextiles and Geomembranes, 2019, 47, 336-351.	4.6	26
89	Centrifuge tests to investigate global performance of geosynthetic-reinforced pile-supported embankments with side slopes. Geotextiles and Geomembranes, 2020, 48, 120-127.	4.6	26
90	Numerical analysis of a laterally loaded shaft constructed within an MSE wall. Geotextiles and Geomembranes, 2011, 29, 233-241.	4.6	25

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91	Two-dimensional physical modelling of soil displacements above trapdoors. Geotechnical Research, 2018, 5, 68-80.	1.4	25
92	A new generation of soil-geosynthetic interaction experimentation. Geotextiles and Geomembranes, 2019, 47, 459-476.	4.6	25
93	Case History Analysis of Bridge Failures due to Scour. , 2014, , .		24
94	Numerical Analysis of Existing Foundations Underpinned by Micropiles. International Journal of Geomechanics, 2017, 17, .	2.7	24
95	Evaluation of moisture reduction in aggregate base by wicking geotextile using soil column tests. Geotextiles and Geomembranes, 2019, 47, 306-314.	4.6	24
96	Geosynthetic-reinforced pile-supported embankment: settlement in different pile conditions. Geosynthetics International, 2020, 27, 315-331.	2.9	24
97	Two-dimensional DEM analysis of behavior of geogrid-reinforced uniform granular bases under a vertical cyclic load. Acta Geotechnica, 2015, 10, 469-480.	5.7	23
98	Seismic performance of a whole Geosynthetic Reinforced Soil â€“ Integrated Bridge System (GRS-IBS) in shaking table test. Geotextiles and Geomembranes, 2020, 48, 315-330.	4.6	23
99	Experimental and Theoretical Investigations on Active Earth Pressure Distributions behind Rigid Retaining Walls with Narrow Backfill under a Translational Mode. International Journal of Geomechanics, 2020, 20, .	2.7	23
100	Quantifying Water Removal Rate of a Wicking Geotextile under Controlled Temperature and Relative Humidity. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	22
101	Deformations in trapdoor tests and piled embankments. Geosynthetics International, 2020, 27, 219-235.	2.9	22
102	Three-Dimensional DEM Analysis of Axially Loaded Geogrid-Encased Stone Column in Clay Bed. International Journal of Geomechanics, 2020, 20, .	2.7	22
103	Responses of geosynthetic-reinforced soil (GRS) abutments under bridge slab loading: Numerical investigation. Computers and Geotechnics, 2020, 123, 103566.	4.7	22
104	Mitigation of seasonal temperature change-induced problems with integral bridge abutments using EPS foam and geogrid. Geotextiles and Geomembranes, 2021, 49, 1380-1392.	4.6	22
105	Impact of Water Level Rise on the Behaviors of Railway Track Structure and Substructure. Transportation Research Record, 2015, 2476, 15-22.	1.9	21
106	Numerical analysis of instrumented mechanically stabilized gabion walls with large vertical reinforcement spacing. Geotextiles and Geomembranes, 2017, 45, 294-306.	4.6	21
107	Analytical layer-element solutions for a multi-layered transversely isotropic elastic medium subjected to axisymmetric loading. Journal of Zhejiang University: Science A, 2012, 13, 9-17.	2.4	20
108	A simplified analytical method for response of an axially loaded pile group subjected to lateral soil movement. KSCE Journal of Civil Engineering, 2013, 17, 368-376.	1.9	20

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109	Laboratory evaluation of installation of a steel-reinforced high-density polyethylene pipe in soil. Tunnelling and Underground Space Technology, 2015, 49, 199-207.	6.2	20
110	Behavior of Geocell-Reinforced Granular Bases under Static and Repeated Loads. , 2009, , .		19
111	Structural Response of a Low-Fill Box Culvert under Static and Traffic Loading. Journal of Performance of Constructed Facilities, 2016, 30, .	2.0	19
112	Numerical evaluation of secondary reinforcement effect on geosynthetic-reinforced retaining walls. Geotextiles and Geomembranes, 2020, 48, 98-109.	4.6	19
113	Evaluation of Geogrid-Reinforced Pile-Supported Embankments under Cyclic Loading Using Discrete Element Method. , 2009, , .		18
114	Laterally Loaded Shaft Group Capacities and Deflections behind an MSE Wall. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 882-889.	3.0	18
115	Recent advances in geosynthetic-reinforced retaining walls for highway applications. Frontiers of Structural and Civil Engineering, 2018, 12, 239-247.	2.9	18
116	Load Transfer Mechanisms of Granular Cushion between Column Foundation and Rigid Raft. International Journal of Geomechanics, 2020, 20, .	2.7	18
117	Track Ballast Fouling and Permeability Characterization by Using Resistivity. Transportation Research Record, 2014, 2448, 133-141.	1.9	17
118	Road surface permanent deformations with a shallowly buried steel-reinforced high-density polyethylene pipe under cyclic loading. Geotextiles and Geomembranes, 2016, 44, 28-38.	4.6	17
119	Geogrid-Reinforced Pile-Supported Railway Embankments. Transportation Research Record, 2005, 1936, 221-229.	1.9	16
120	Evaluation of Sample Quality of Sensitive Clay Using Intrinsic Compression Concept. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 83-90.	3.0	16
121	Capacities and Deflections of Laterally Loaded Shafts behind Mechanically Stabilized Earth Wall. Transportation Research Record, 2009, 2116, 62-69.	1.9	16
122	Field evaluation of vegetation growth in geocell-reinforced unpaved shoulders. Geotextiles and Geomembranes, 2015, 43, 403-411.	4.6	16
123	Compression characteristics of ultra-soft clays subjected to simulated staged preloading. KSCE Journal of Civil Engineering, 2016, 20, 718-728.	1.9	16
124	Numerical Modeling of Installation of Steel-Reinforced High-Density Polyethylene Pipes in Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	16
125	Equivalent Modulus of Geogrid-Stabilized Granular Base Back-Calculated Using Permanent Deformation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	16
126	Performance of geosynthetic-reinforced soil foundations across a normal fault. Geotextiles and Geomembranes, 2020, 48, 357-373.	4.6	16

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127	Simplified method for estimating vertical stress-settlement responses of piled embankments on soft soils. Computers and Geotechnics, 2020, 119, 103365.	4.7	16
128	Evaluation of vertical stress distribution in field monitored GRS-IBS structure. Geosynthetics International, 2020, 27, 414-431.	2.9	16
129	Influence of surface footing loading on soil arching above multiple buried structures in transparent sand. Canadian Journal of Civil Engineering, 2021, 48, 124-133.	1.3	16
130	Spring-Based Trapdoor Tests Investigating Soil Arching Stability in Embankment Fill under Localized Surface Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	16
131	Field evaluation of performance of corroded corrugated steel pipe before and after sliplining rehabilitation. Tunnelling and Underground Space Technology, 2020, 102, 103442.	6.2	16
132	Evaluation of a Dike Damaged by Pile Driving in Soft Clay. Journal of Performance of Constructed Facilities, 2005, 19, 300-307.	2.0	15
133	Laboratory Evaluation of Deformations of Steel-Reinforced High-Density Polyethylene Pipes under Static Loads. Journal of Materials in Civil Engineering, 2013, 25, 1964-1969.	2.9	15
134	Geosynthetic-stabilized flexible pavements: Solution derivation and mechanistic-empirical analysis. Geotextiles and Geomembranes, 2020, 48, 468-478.	4.6	15
135	Lateral facing deflections of geosynthetic-reinforced retaining walls under footing loading. Transportation Geotechnics, 2021, 30, 100594.	4.5	15
136	Evaluating wettability of geotextiles with contact angles. Geotextiles and Geomembranes, 2022, 50, 825-833.	4.6	15
137	Use of Geogrid-Reinforced and Pile-Supported Earth Structures. , 2002, , 668.		14
138	Evaluation of Deep-Seated Slope Stability of Embankments over Deep Mixed Foundations. , 2004, , 945.		14
139	Influence of bedrock inclination on elastic settlements of flexible shallow strip foundations. Computers and Geotechnics, 2007, 34, 53-56.	4.7	14
140	Transfer matrix solutions to axisymmetric and non-axisymmetric consolidation of multilayered soils. Acta Mechanica, 2010, 211, 155-172.	2.1	14
141	Mitigation of levee failures using deep mixed columns and geosynthetics. Geomechanics and Geoengineering, 2010, 5, 49-55.	1.8	14
142	Analytical Solution for Rankineâ€™s Seismic Active Earth Pressure in c-Ï• Soil with Infinite Slope. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1611-1616.	3.0	14
143	Back-Calculation of Resilient Modulus and Prediction of Permanent Deformation for Fine-Grained Subgrade under Cyclic Loading. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	14
144	Model Tests Investigating Spatial Tensile Behavior of Simulated Geosynthetic Reinforcement Material over Rigid Supports. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	14

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145	Influence of column yielding on degree of consolidation of soft foundations improved by deep mixed columns. Geomechanics and Engineering, 2014, 6, 173-194.	0.9	13
146	Stress Distributions and Pullout Responses of Extensible and Inextensible Reinforcement in Soil Using Different Normal Loading Methods. Geotechnical Testing Journal, 2019, 42, 1606-1623.	1.0	13
147	Evaluation of Behavior of a Laterally Loaded Bridge Pile Group under Scour Conditions. , 2009, , .		12
148	Numerical Analysis of Low-Fill Box Culvert under Rigid Pavement Subjected to Static Traffic Loading. International Journal of Geomechanics, 2016, 16, .	2.7	12
149	Soilâ€“Reinforcement Interaction: Effect of Reinforcement Spacing and Normal Stress. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	12
150	Experimental evaluation of wicking geotextile-stabilized aggregate bases over subgrade under rainfall simulation and cyclic loading. Geotextiles and Geomembranes, 2021, 49, 1550-1564.	4.6	12
151	Evaluation of Property Changes in Surrounding Clays due to Installation of Deep Mixing Columns. , 2003, , 634.		11
152	Numerical Modeling of Laterally Loaded Pile Groups in Soft Clay Improved by Jet Grouting. , 2012, , .		11
153	Numerical Analysis of Failure Modes of Deep Mixed Column-Supported Embankments on Soft Soils. , 2014, , .		11
154	Mitigation of Ground Vibration Generated by High-Speed Trains on Saturated Poroelastic Ground with Under-Sleeper Pads. Journal of Transportation Engineering, 2014, 140, 12-22.	0.9	11
155	Field Installation Effect on Steel-Reinforced High-Density Polyethylene Pipes. Journal of Pipeline Systems Engineering and Practice, 2016, 7, .	1.6	11
156	Wheel tracking methods to evaluate moisture sensitivity of hot-mix asphalt mixtures. Frontiers of Structural and Civil Engineering, 2016, 10, 30-43.	2.9	11
157	Geosynthetics used to stabilize vegetated surfaces for environmental sustainability in civil engineering. Frontiers of Structural and Civil Engineering, 2017, 11, 56-65.	2.9	11
158	Responses of Laterally Loaded Single Piles within Mechanically Stabilized Earth Walls. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	11
159	Evaluation of required connection load in GRS-IBS structures under service loads. Geosynthetics International, 2020, 27, 620-634.	2.9	11
160	Geogrid-Reinforced Pile-Supported Railway Embankments: A Three-Dimensional Numerical Analysis. Transportation Research Record, 2005, 1936, 221-229.	1.9	11
161	Design of Fiber-Reinforced Polymer Composite Piles Under Vertical and Lateral Loads. Transportation Research Record, 2003, 1849, 71-80.	1.9	10
162	Resistance Factors for Drilled Shafts in Weak Rock Based on O-Cell Test Data. Transportation Research Record, 2008, 2045, 62-67.	1.9	10

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163	Design of Planar Geosynthetic-Improved Unpaved and Paved Roads. , 2013, , .		10
164	Behavior of Sliplined Corrugated Steel Pipes under Parallel-Plate Loading. Journal of Materials in Civil Engineering, 2019, 31, 04019242.	2.9	10
165	Load-Deformation Behavior of Geosynthetic-Reinforced Retaining Walls with Limited Fill Space Under Static Footing Loading. Transportation Infrastructure Geotechnology, 2020, 7, 309-331.	3.1	10
166	Laboratory investigation of boundary effect on pressure-settlement behavior of foundation soil with limited thickness involving geosynthetics. Geotextiles and Geomembranes, 2020, 48, 747-754.	4.6	10
167	Literature Review of Causes and Mitigation Techniques for Bumps at Ends of Bridges. , 2020, , .		10
168	Pullout resistance of geogrid and steel reinforcement embedded in lightweight cellular concrete backfill. Geotextiles and Geomembranes, 2022, 50, 432-443.	4.6	10
169	Analysis of Geotextile Reinforced Embankment over Deep Mixed Soil Columns: Using Numerical and Analytical Tools. , 2006, , 1.		9
170	Bearing Capacities of Geogrid-Reinforced Sand Bases under Static Loading. , 2010, , .		9
171	Experimental Study on Triaxial Geogrid-Reinforced Bases over Weak Subgrade under Cyclic Loading. , 2010, , .		9
172	A Large Test Box Study on Geocell-Reinforced Recycled Asphalt Pavement (RAP) Bases over Weak Subgrade under Cyclic Loading. , 2012, , .		9
173	Numerical Analysis of Laterally Loaded Single Free-Headed Piles within Mechanically Stabilized Earth Walls. International Journal of Geomechanics, 2021, 21, .	2.7	9
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