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	The use of geosynthetics in roads. Geosynthetics International, 2023, 30, 47-80.	2.9	9
2	Numerical analysis of geosynthetics to mitigate seasonal temperature change-induced problems for integral bridge abutment. Acta Geotechnica, 2023, 18, 673-693.	5.7	5
3	Two-dimensional soil arching evolution in geosynthetic-reinforced pile-supported embankments over voids. Geotextiles and Geomembranes, 2022, 50, 82-98.	4.6	27
4	Experimental investigation of geogrid-reinforced sand cushions for rock sheds against rockfall impact. Transportation Geotechnics, 2022, 33, 100717.	4.5	7
5	Behavior of Laterally-Loaded Piles Under Scoured Conditions at Bridges. Lecture Notes in Civil Engineering, 2022, , 13-29.	0.4	0
6	Pullout resistance of geogrid and steel reinforcement embedded in lightweight cellular concrete backfill. Geotextiles and Geomembranes, 2022, 50, 432-443.	4.6	10
7	Effects of Rehabilitation Methods on Performance of Buried Corroded Metal Pipesâ€"Numerical Study. , 2022, , .		1
8	Electro-Osmosis Dewatering and Consolidationâ€"G-I China Scan Tour Overview. , 2022, , .		1
9	Technical Review of Development and Applications from Wicking Fabric to Wicking Geotextile. , 2022, , .		0
10	Lightweight Cellular Concrete Properties and Geotechnical Applications. , 2022, , .		1
11	Evaluating wettability of geotextiles with contact angles. Geotextiles and Geomembranes, 2022, 50, 825-833.	4.6	15
12	Field Pullout Tests of Steel Strips in Lightweight Cellular Concrete Backfill. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	1
13	Effects of Traffic Loading on Seasonal Temperature Change-Induced Problems for Integral Bridge Approaches and Mitigation with Geosynthetic Reinforcement. International Journal of Geomechanics, 2022, 22, .	2.7	7
14	Settlement and Horizontal Earth Pressure behind Model Integral Bridge Abutment Induced by Simulated Seasonal Temperature Change. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	6
15	Simplified Method for Calculating Consolidation Degree of Deep Mixed Columnâ€"Improved Soft Soils. International Journal of Geomechanics, 2022, 22, .	2.7	3
16	Closure to â€œNumerical Analysis of Laterally Loaded Single Free-Headed Piles within Mechanically Stabilized Earth Wallsâ€•by Saif Jawad and Jie Han. International Journal of Geomechanics, 2022, 22, .	2.7	0
17	Lateral Displacements of Geosynthetic-Reinforced Soil Walls in a Tiered Configuration. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	6
18	Field monitoring of wicking geotextile to reduce soil moisture under a concrete pavement subjected to precipitations and temperature variations. Geotextiles and Geomembranes, 2022, 50, 1004-1019.	4.6	7

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19	Effects of seasonal temperature change-induced abutment movements on backfill surface settlements behind integral bridge abutments â€“ Numerical analysis. Computers and Geotechnics, 2022, 149, 104884.	4.7	1
20	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
21	Numerical investigation of reinforcement pullout resistance effects on behavior of geosynthetic-reinforced soil (GRS) piers. Geotextiles and Geomembranes, 2021, 49, 564-578.	4.6	4
22	Arching Development in Transparent Soil during Multiple Trapdoor Movement and Surface Footing Loading. International Journal of Geomechanics, 2021, 21, .	2.7	33
23	Relationship between monotonic and cyclic behavior of saturated soft clay in undrained triaxial compression tests. Canadian Geotechnical Journal, 2021, 58, 1812-1824.	2.8	5
24	Limit Equilibrium Analysis and Design of Geosynthetic-Reinforced Fill Walls Under Special Conditions. Indian Geotechnical Journal, 2021, 51, 50-62.	1.4	5
25	Prediction of Unconfined Compressive Strength and Flexural Strength of Cement-Stabilized Sandy Soils: A Case Study in Vietnam. Geotechnical and Geological Engineering, 2021, 39, 4947-4962.	1.7	8
26	Numerical Analysis of Laterally Loaded Single Free-Headed Piles within Mechanically Stabilized Earth Walls. International Journal of Geomechanics, 2021, 21, .	2.7	9
27	Experimental Study on Settlement of Backfill in Integral Bridge Abutments Induced by Seasonal Temperature Changes. , 2021, , .		5
28	Equivalency of Geocell-Stabilized Aggregate Base to Non-Stabilized Aggregate Base over Weak Subgrade under Static Loading. , 2021, , .		0
29	Stress analysis of geosynthetic access mat systems over weak subgrade. Computers and Geotechnics, 2021, 134, 104071.	4.7	3
30	Mesostructure of Foamed Cement Paste and Its Influence on Macromechanical Behavior. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	7
31	Responses of single and group piles within MSE walls under static and cyclic lateral loads. Geotextiles and Geomembranes, 2021, 49, 1019-1035.	4.6	8
32	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
33	Quantifying and Incorporating the Benefits of Wicking Geotextile into Pavement Design. Journal of Transportation Engineering Part B: Pavements, 2021, 147, .	1.5	6
34	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
35	Lateral facing deflections of geosynthetic-reinforced retaining walls under footing loading. Transportation Geotechnics, 2021, 30, 100594.	4.5	15
36	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

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37	Closure to â€œResponses of Laterally Loaded Single Piles within Mechanically Stabilized Earth Wallsâ€™â€™ by Saif Jawad, Jie Han, Mahdi Al-Naddaf, and Ghaith Abdulrasool. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, 07021029.	3.0	0
38	Performance of steel-reinforced high-density polyethylene pipes in soil during installation: a numerical study. Acta Geotechnica, 2020, 15, 963-974.	5.7	7
39	Deformations in trapdoor tests and piled embankments. Geosynthetics International, 2020, 27, 219-235.	2.9	22
40	Geosynthetic-reinforced pile-supported embankment: settlement in different pile conditions. Geosynthetics International, 2020, 27, 315-331.	2.9	24
41	Geosynthetic-reinforced pile-supported embankments with caps in a triangular pattern over soft clay. Geotextiles and Geomembranes, 2020, 48, 52-61.	4.6	30
42	Numerical evaluation of secondary reinforcement effect on geosynthetic-reinforced retaining walls. Geotextiles and Geomembranes, 2020, 48, 98-109.	4.6	19
43	Load Transfer Mechanisms of Granular Cushion between Column Foundation and Rigid Raft. International Journal of Geomechanics, 2020, 20, .	2.7	18
44	Time-Dependent Field Performance of Steel-Reinforced High-Density Polyethylene Pipes in Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, 04019122.	3.0	4
45	Sustainable Transportation Materials. Journal of Materials in Civil Engineering, 2020, 32, 02019003.	2.9	0
46	Performance of geosynthetic-reinforced soil foundations across a normal fault. Geotextiles and Geomembranes, 2020, 48, 357-373.	4.6	16
47	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
48	Modified Equivalent-Area Method for Calculating Factors of Safety against Deep-Seated Failure of Embankments over Deep-Mixed Foundations. International Journal of Geomechanics, 2020, 20, .	2.7	6
49	Three-Dimensional DEM Analysis of Axially Loaded Geogrid-Encased Stone Column in Clay Bed. International Journal of Geomechanics, 2020, 20, .	2.7	22
50	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
51	Resistivity Measurement of Backfill for Mechanically Stabilized Earth Walls. Journal of Materials in Civil Engineering, 2020, 32, 04019367.	2.9	2
52	Simplified method for estimating vertical stress-settlement responses of piled embankments on soft soils. Computers and Geotechnics, 2020, 119, 103365.	4.7	16
53	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
54	Experimental Evaluation of the Interaction among Neighboring Reinforcements in Geosynthetic-Reinforced Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	6

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55	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
56	Responses of Laterally Loaded Single Piles within Mechanically Stabilized Earth Walls. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	11
57	Effect of Geogrid Stabilization on Performance of Granular Base Course over Weak Subgrade. , 2020, , .		2
58	Analysis of geosynthetic-stabilized base course over a subgrade considering base modulus degradation in a transversely isotropic layered elastic system. Computers and Geotechnics, 2020, 125, 103668.	4.7	7
59	Evaluation of required connection load in GRS-IBS structures under service loads. Geosynthetics International, 2020, 27, 620-634.	2.9	11
60	Numerical Analysis of Geosynthetic-Reinforced Pile-Supported Embankments Subjected to Different Surface Loads. , 2020, , .		3
61	Geosynthetic-stabilized flexible pavements: Solution derivation and mechanistic-empirical analysis. Geotextiles and Geomembranes, 2020, 48, 468-478.	4.6	15
62	Limit Equilibrium Analysis of Geosynthetic-Reinforced Retaining Walls Subjected to Footing Loading. , 2020, , .		7
63	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
64	Field Monitoring of Negative Skin Friction on Rigid Inclusion Columns under Embankments. , 2020, , .		1
65	Evaluation of vertical stress distribution in field monitored GRS-IBS structure. Geosynthetics International, 2020, 27, 414-431.	2.9	16
66	Geosynthetic-reinforced pile-supported embankments: state of the art. Geosynthetics International, 2020, 27, 112-141.	2.9	53
67	Responses of geosynthetic-reinforced soil (GRS) abutments under bridge slab loading: Numerical investigation. Computers and Geotechnics, 2020, 123, 103566.	4.7	22
68	Experimental and Analytical Evaluations of Mechanically-Stabilized Layers with Geogrid over Weak Subgrade under Static Loading. , 2020, , .		2
69	Literature Review of Causes and Mitigation Techniques for Bumps at Ends of Bridges. , 2020, , .		10
70	Introduction to Special Issue on Geosynthetic-reinforced pile-supported embankments. Geosynthetics International, 2020, 27, 111-111.	2.9	0
71	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
72	Stability Analysis of Axisymmetric Concave Slopes Based on Two-Dimensional Limit Equilibrium Approach considering Additional Shear Resistance. Advances in Civil Engineering, 2019, 2019, 1-10.	0.7	0

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73	Behavior of Sliplined Corrugated Steel Pipes under Parallel-Plate Loading. Journal of Materials in Civil Engineering, 2019, 31, 04019242.	2.9	10
74	Development of Laboratory Procedure for Evaluating Microcracking Technology on Cement-Modified Soil Subgrade. Journal of Materials in Civil Engineering, 2019, 31, 06019015.	2.9	0
75	Soilâ€“Reinforcement Interaction: Effect of Reinforcement Spacing and Normal Stress. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	12
76	Experimental Investigation of Soil Arching Mobilization and Degradation under Localized Surface Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	57
77	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
78	Two-Dimensional Soil-Arching Behavior under Static and Cyclic Loading. International Journal of Geomechanics, 2019, 19, .	2.7	45
79	A new generation of soil-geosynthetic interaction experimentation. Geotextiles and Geomembranes, 2019, 47, 459-476.	4.6	25
80	Geosynthetics for transportation and environmental applications. Geotextiles and Geomembranes, 2019, 47, 281.	4.6	1
81	Evaluation of Composite Subgrade Reaction Modulus of Geosynthetic-Stabilized Recycled Subbase over Subgrade. , 2019, , .		4
82	Evaluation of moisture reduction in aggregate base by wicking geotextile using soil column tests. Geotextiles and Geomembranes, 2019, 47, 306-314.	4.6	24
83	Assessment of Tactile Pressure Sensor for Measuring Interface Pressure in Mechanically-Stabilized Layers. , 2019, , .		1
84	Large-Scale Rainfall Simulation and Cyclic Plate Loading Test of Wicking Geotextile-Stabilized Base. , 2019, , .		0
85	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
86	Mechanistic-empirical analysis of geogrid-stabilized layered systems: Part I. Solutions. Geosynthetics International, 2019, 26, 273-285.	2.9	8
87	Mechanistic-empirical analysis of geogrid-stabilized layered systems: Part II. Analysis. Geosynthetics International, 2019, 26, 286-296.	2.9	6
88	Two and three-dimensional numerical analyses of geosynthetic-reinforced soil (GRS) piers. Geotextiles and Geomembranes, 2019, 47, 352-368.	4.6	32
89	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
90	Closure to â€œProgressive Development of Two-Dimensional Soil Arching with Displacementâ€•by Jie Han, Fei Wang, Mahdi Al-Naddaf, and Chao Xu. International Journal of Geomechanics, 2019, 19, .	2.7	1

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91	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
92	Comprehensive Material Characterizations of Pavement Structure Installed with Wicking Fabrics. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	27
93	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
94	Numerical analysis of field geosynthetic-reinforced retaining walls with secondary reinforcement. Geotechnique, 2019, 69, 122-132.	4.0	43
95	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
96	Proposed Refinements to Design Procedures for Geosynthetic Reinforced Soil (GRS) Structures in AASHTO LRFD Bridge Design Specifications. , 2019, , .		5
97	The State of Soil Improvement in China: The G-I Soil Improvement Committeeâ€™s China Scan Tour. Geo-strata, 2019, 23, 34-41.	0.1	0
98	Numerical analysis of installation damage of a pre-damaged geogrid with rectangular apertures. Results in Physics, 2018, 9, 1185-1191.	4.1	3
99	Use of cellular confinement for improved railway performance on soft subgrades. Geotextiles and Geomembranes, 2018, 46, 190-205.	4.6	52
100	Two-dimensional physical modelling of soil displacements above trapdoors. Geotechnical Research, 2018, 5, 68-80.	1.4	25
101	Experimental evaluation of geocell-reinforced bases under repeated loading. International Journal of Pavement Research and Technology, 2018, 11, 114-127.	2.6	45
102	Recent advances in geosynthetic-reinforced retaining walls for highway applications. Frontiers of Structural and Civil Engineering, 2018, 12, 239-247.	2.9	18
103	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
104	Experimental investigations on discrepancy in consolidation degrees with deformation and pore pressure variations of natural clays. Applied Clay Science, 2018, 152, 38-43.	5.2	7
105	Three-Dimensional Numerical Analysis of Performance of a Geosynthetic-Reinforced Soil Pier. , 2018, , 374-381.		0
106	Performance of Multi-axial Geogrid-Stabilized Unpaved Shoulders Under Cyclic Loading. , 2018, , 473-482.		1
107	Physical Models to Investigate Soil Arching Phenomena Under Cyclic Footing Loading Using Transparent Soil. , 2018, , 792-801.		3
108	Numerical Investigation on Slope Stability of Deep Mixed Column-Supported Embankments Over Soft Clay Induced by Strength Reduction and Load Increase. , 2018, , 89-96.		3

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109	Comparison Analysis on Behavior of Geosynthetic Reinforcement in Piled Embankments Under Plane Strain and Three-Dimensional Conditions: Numerical Study. , 2018, , 411-419.		0
110	Experimental Study on Geocell-Stabilized Unpaved Shoulders. , 2018, , 390-398.		1
111	Equivalent California Bearing Ratios of Multiaxial Geogrid-Stabilized Aggregates over Weak Subgrade. Journal of Materials in Civil Engineering, 2018, 30, 04018284.	2.9	5
112	Three-dimensional numerical analysis of individual geotextile-encased sand columns with surrounding loose sand. Geotextiles and Geomembranes, 2018, 46, 836-847.	4.6	30
113	Performance of Lime Kiln Dust-Treated Subgrade Soils. , 2018, , .		1
114	Evaluation of Soil Saver Walls on Aquatic Organism Passage Through Box Culverts. Journal of Testing and Evaluation, 2018, 46, 1313-1320.	0.7	0
115	Rapid Estimation of Fouled Railroad Ballast Mechanical Properties. Geotechnical Testing Journal, 2018, 41, 777-786.	1.0	4
116	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
117	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
118	Resistivity Measurement of Backfill for Mechanically Stabilized Earth Walls. , 2017, , .		3
119	Numerical Evaluation of Boundary Effects on the Interaction between Geosynthetic Reinforcement and Backfill. , 2017, , .		0
120	Numerical analysis of instrumented mechanically stabilized gabion walls with large vertical reinforcement spacing. Geotextiles and Geomembranes, 2017, 45, 294-306.	4.6	21
121	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
122	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
123	Numerical Evaluation of Consolidation of Soft Foundations Improved by Sandâ€“Deep-Mixed Composite Columns. International Journal of Geomechanics, 2017, 17, .	2.7	4
124	Progressive Development of Two-Dimensional Soil Arching with Displacement. International Journal of Geomechanics, 2017, 17, .	2.7	109
125	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
126	Equivalent Modulus of Geogrid-Stabilized Granular Base Back-Calculated Using Permanent Deformation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	16

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127	Factors Influencing Deformations of Geocell-Reinforced Recycled Asphalt Pavement Bases under Cyclic Loading. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	31
128	Numerical Analysis of Existing Foundations Underpinned by Micropiles. International Journal of Geomechanics, 2017, 17, .	2.7	24
129	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
130	Laboratory tests to evaluate effectiveness of wicking geotextile in soil moisture reduction. Geotextiles and Geomembranes, 2017, 45, 8-13.	4.6	41
131	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
132	Fully-Mobilized Soil Arching versus Partially-Mobilized Soil Arching. DEStech Transactions on Engineering and Technology Research, 2017, , .	0.0	3
133	Analysis of laterally loaded piles in soft clay considering scour-hole dimensions. Ocean Engineering, 2016, 111, 461-470.	4.3	65
134	Performance of Buried Steel-Reinforced High-Density Polyethylene (SRHDPE) Pipes in a Shallow Cover under a Test Truck Load in a Full-Scale Field Test. , 2016, , .		0
135	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
136	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
137	Field Installation Effect on Steel-Reinforced High-Density Polyethylene Pipes. Journal of Pipeline Systems Engineering and Practice, 2016, 7, .	1.6	11
138	Structural Response of a Low-Fill Box Culvert under Static and Traffic Loading. Journal of Performance of Constructed Facilities, 2016, 30, .	2.0	19
139	Numerical Analysis of Low-Fill Box Culvert under Rigid Pavement Subjected to Static Traffic Loading. International Journal of Geomechanics, 2016, 16, .	2.7	12
140	Effect of Aggregate Uniformity on Pullout Resistance of Steel Strip Reinforcement. Transportation Research Record, 2016, 2579, 1-7.	1.9	8
141	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
142	Compression characteristics of ultra-soft clays subjected to simulated staged preloading. KSCE Journal of Civil Engineering, 2016, 20, 718-728.	1.9	16
143	Evaluation of Dilatancy Behavior of Asphalt Mixtures Using Partial Triaxial Compression Tests. Journal of Materials in Civil Engineering, 2016, 28, .	2.9	4
144	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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145	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
146	Field testing and numerical modeling of a low-fill box culvert under a flexible pavement subjected to traffic loading. Geomechanics and Engineering, 2016, 11, 625-638.	0.9	3
147	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
148	Determination of Load Equivalency for Unpaved Roads. Transportation Research Record, 2015, 2473, 233-241.	1.9	5
149	Impact of Water Level Rise on the Behaviors of Railway Track Structure and Substructure. Transportation Research Record, 2015, 2476, 15-22.	1.9	21
150	Model Tests of Laterally Loaded Piles under a Horizontally Scoured Condition. , 2015, , .		5
151	Recent research and development of ground column technologies. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2015, 168, 246-264.	1.0	61
152	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
153	Effect of Soil Stress History on Scour Evaluation of Pile-Supported Bridges. Journal of Performance of Constructed Facilities, 2015, 29, .	2.0	7
154	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
155	Closure to â€œLaboratory Study on Geosynthetic Protection of Buried Steel-Reinforced HDPE Pipes from Static Loadingâ€•by Ryan Corey, Jie Han, Deep K. Khatri, and Robert L. Parsons. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, 07015012.	3.0	0
156	Field evaluation of vegetation growth in geocell-reinforced unpaved shoulders. Geotextiles and Geomembranes, 2015, 43, 403-411.	4.6	16
157	Hydrogeochemical environment of aquifer groundwater in Shanghai and potential hazards to underground infrastructures. Natural Hazards, 2015, 78, 753-774.	3.4	30
158	Recent Development of Recycled Asphalt Pavement (RAP) Bases Treated for Roadway Applications. Transportation Infrastructure Geotechnology, 2015, 2, 68-86.	3.1	57
159	Stability Analysis of Embankments Supported by Geosynthetic Encased Stone Columns. , 2015, , .		7
160	Geosynthetic-Stabilized Vegetated Earth Surfaces for Environmental Sustainability in Civil Engineering. , 2015, , .		1
161	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
162	Sustainable roadway construction using recycled aggregates with geosynthetics. Sustainable Cities and Society, 2015, 14, 342-350.	10.4	41

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163	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
164	Quantifying the Benefit of Triaxial Geogrid in Stabilizing Granular Bases over Soft Subgrade under Cyclic Loading at Different Intensities. , 2014, , .		5
165	Vegetation Tests of Geocell-Reinforced Unpaved Shoulders. , 2014, , .		1
166	Resistivity and Hydraulic Conductivity of Fouled Railroad Ballast. , 2014, , .		8
167	Sustainable Stabilization of Recycled Asphalt Pavement (RAP) Bases. , 2014, , .		0
168	A Note on Pile Length Optimization of Pile Groups Considering the Non-Linear Behavior of Piles. , 2014, , .		0
169	Mechanistic-Empirical Model to Characterize Rutting in Unpaved Road with a Shallowly Buried SRHDPE Pipe. , 2014, , .		0
170	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
171	Analysis of Laterally Loaded Piles in Sand Considering Scour Hole Dimensions. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	69
172	Case History Analysis of Bridge Failures due to Scour. , 2014, , .		24
173	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
174	Numerical analysis of a pileâ€“slab-supported railway embankment. Acta Geotechnica, 2014, 9, 499-511.	5.7	35
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