

Anand Puppala

List of Publications by Year in descending order

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Version: 2024-02-01

317
papers

6,977
citations

53660

45
h-index

95083

68
g-index

324
all docs

324
docs citations

324
times ranked

3241
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of crystalline silica admixture in mitigating ettringite-induced heave in lime-treated sulfate-rich soils. <i>Geotechnique</i> , 2022, 72, 438-454.	2.2	20
2	Development and validation of a method to predict the soil thermal conductivity using thermal piezocone penetration testing (T-CPTU). <i>Canadian Geotechnical Journal</i> , 2022, 59, 510-525.	1.4	10
3	Effectiveness of Double-Layer HDPE Geocell System to Reinforce Reclaimed Asphalt Pavement (RAP)-Base Layer. <i>Lecture Notes in Civil Engineering</i> , 2022, , 593-604.	0.3	2
4	Full-Scale Field Studies to Evaluate Deep Soil Mixing in Stabilizing Expansive Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022, 148, .	1.5	6
5	Effect of geomaterial variability on seismic response analyses of earthen dams. <i>Engineering Geology</i> , 2022, 297, 106513.	2.9	1
6	Application of Wicking Geotextile for Pavement Infrastructure on Expansive Soil. <i>Lecture Notes in Civil Engineering</i> , 2022, , 533-544.	0.3	1
7	Comparing carbide sludge-ground granulated blastfurnace slag and ordinary Portland cement: Different findings from binder paste and stabilized clay slurry. <i>Construction and Building Materials</i> , 2022, 321, 126382.	3.2	22
8	Permeability Characteristics of Polymer Emulsion-Stabilized Soils. , 2022, , .		3
9	An Analytical Approach to Estimate the Load-Bearing Capacity of Subgrade Soil with a Geocell-Reinforced Base Layer. , 2022, , .		0
10	Utilization of Metakaolin-Based Geopolymers for Stabilization of Sulfate-Rich Expansive Soils. , 2022, , .		5
11	Inverse Analysis of a Failed Highway Embankment Slope in North Texas. <i>Lecture Notes in Civil Engineering</i> , 2022, , 583-594.	0.3	1
12	Resilient Characteristics of Polymer Emulsion-Treated Sandy Soil. <i>Transportation Research Record</i> , 2022, 2676, 526-538.	1.0	7
13	Influence of Unsaturated Hydraulic Properties on Transient Seepage and Stability Analysis of an Earthen Dam. <i>International Journal of Geomechanics</i> , 2022, 22, .	1.3	7
14	Evaluation of Geopolymer for Stabilization of Sulfate-Rich Expansive Soils for Supporting Pavement Infrastructure. <i>Transportation Research Record</i> , 2022, 2676, 230-245.	1.0	7
15	Triaxial strength behavior of carbide sludge (CS)â€™ground-granulated blastfurnace slag (GGBS)-treated clay slurry. <i>Acta Geotechnica</i> , 2022, 17, 5585-5596.	2.9	12
16	Liquefaction Assessment in Unsaturated Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022, 148, .	1.5	5
17	Identifying hazardous obstructions within an intersection using unmanned aerial data analysis. <i>International Journal of Transportation Science and Technology</i> , 2021, 10, 34-48.	2.0	8
18	Performance evaluation of geocell-reinforced reclaimed asphalt pavement (RAP) bases in flexible pavements. <i>International Journal of Pavement Engineering</i> , 2021, 22, 181-191.	2.2	36

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19	A novel full-scale external geothermal heating system for bridge deck de-icing. Applied Thermal Engineering, 2021, 185, 116365.	3.0	20
20	Improved p-y curve models for large diameter and super-long cast-in-place piles using piezocone penetration test data. Computers and Geotechnics, 2021, 130, 103911.	2.3	20
21	Experimental study on the correlation between the partial and total salt content in saline gravel using ion chromatography. Transportation Geotechnics, 2021, 26, 100424.	2.0	3
22	Seismic Slope Stability Analysis of a Hydraulic Fill Dam. International Journal of Geomechanics, 2021, 21, .	1.3	8
23	Recent Advancements in Predicting the Behaviour of Unsaturated and Expansive Soils. Lecture Notes in Civil Engineering, 2021, , 1-21.	0.3	1
24	Evaluation of Rock Slope Stability Using 3-Dimensional Data Analysis. , 2021, , .		0
25	A Novel Method to Improve the Durability of Lime-Treated Expansive Soil. Lecture Notes in Civil Engineering, 2021, , 227-238.	0.3	7
26	A Road Map for Geotechnical Monitoring of Transportation Infrastructure Assets using Three-Dimensional Models Developed from Unmanned Aerial Data. Indian Geotechnical Journal, 2021, 51, 84-96.	0.7	3
27	Geomaterial Characterization and Stability Assessment of Hydraulic Fill Dams. Journal of Materials in Civil Engineering, 2021, 33, 04020446.	1.3	2
28	Improvement of Strength and Volume-Change Properties of Expansive Clays with Geopolymer Treatment. Transportation Research Record, 2021, 2675, 308-320.	1.0	15
29	Forensic Analyses and Rehabilitation of a Failed Highway Embankment Slope in Texas. Transportation Research Record, 2021, 2675, 121-134.	1.0	4
30	Evaluating the Performance of Wicking Geotextile in Providing Drainage for Flexible Pavements Built over Expansive Soils. Transportation Research Record, 2021, 2675, 208-221.	1.0	10
31	Effect of Future Extreme Precipitation on Expansive Soil Embankments. , 2021, , .		4
32	Evaluating the Influence of Dynamic Compaction on Soft Soil Foundations Based on CPTu Testing. , 2021, , .		0
33	Two- and Three-Dimensional Slope Stability Analyses of Rock Cut Using Unmanned Aerial Photogrammetry Data. , 2021, , .		0
34	Numerical Study and Experimental Validation of the Thermal Performance of a U-Tube Borehole Heat Exchanger for a Geothermal De-Icing System. , 2021, , .		0
35	Utilization of Silica-Based Admixture to Improve the Durability of Lime-Treated Expansive Soil. , 2021, , .		11
36	Assessment of Pavement Geometric Characteristics Using UAV-CRP Data. , 2021, , .		2

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37	Strength and durability assessment of expansive soil stabilized with recycled ash and natural fibers. <i>Transportation Geotechnics</i> , 2021, 29, 100556.	2.0	61
38	Closure to "Suppressing Ettringite-Induced Swelling of Gypseous Soil by Using Magnesia-Activated Ground Granulated Blast-Furnace Slag" by Wentao Li, Yaolin Yi, and Anand J. Puppala. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	1.5	0
39	Heating performance of a novel externally-heated geothermal bridge de-icing system: field tests and numerical simulations. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 46, 101280.	1.7	2
40	Performance Evaluation of Infrastructure on Problematic Expansive Soils: Characterization Challenges, Innovative Stabilization Designs, and Monitoring Methods. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	1.5	19
41	Empirical correlations of soil parameters based on piezocone penetration tests (CPTU) for Hong Kong-Zhuhai-Macau Bridge (HZMB) project. <i>Transportation Geotechnics</i> , 2021, 30, 100605.	2.0	15
42	Geotechnical slope stability and rockfall debris related safety assessments of rock cuts adjacent to a rail track using aerial photogrammetry data analysis. <i>Transportation Geotechnics</i> , 2021, 30, 100595.	2.0	13
43	Methodology for Resloping of Rock Slope Using 3D Models from UAV-CRP Technology. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	1.5	17
44	Effect of Synthetic Geotextile on Stabilization of Expansive Subgrades: Experimental Study. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	13
45	Comprehensive Slope Stability Analysis of a Failed Roadway Embankment. , 2021, , .		1
46	Proposal for Tower Crane Productivity Indicators Based on Data Analysis in the Era of Construction 4.0. <i>Buildings</i> , 2021, 11, 21.	1.4	6
47	Estimation of Undrained Shear Strength of Overconsolidated Clay Using a Maximum Excess Pore Pressure Method Based on Piezocone Penetration Test (CPTU). <i>Geotechnical Testing Journal</i> , 2021, 44, 1153-1162.	0.5	2
48	Assessment of Sulfate-Induced Heave in Chemically Treated Soils Using a Novel Hybrid Sensor. <i>Geotechnical Testing Journal</i> , 2021, 44, 20190196.	0.5	2
49	Full-Scale Experimental Study on the Single and Group of Soil-Cement Columns under Vertical Load Applying for Buildings. <i>Geotechnical Testing Journal</i> , 2021, 44, 1015-1035.	0.5	1
50	Transforming Aerial Reconnaissance Data of Pavement Infrastructure into Knowledge for Better Response to Natural Disasters. , 2021, , .		4
51	Eco-Friendly Stabilization of Sulfate-Rich Expansive Soils Using Geopolymers for Transportation Infrastructure. , 2021, , .		7
52	Probabilistic identification of contaminated soils using resistivity piezocone penetration tests. <i>Acta Geotechnica</i> , 2020, 15, 761-779.	2.9	13
53	Experimental feasibility study of a new attached hydronic loop design for geothermal heating of bridge decks. <i>Applied Thermal Engineering</i> , 2020, 164, 114507.	3.0	28
54	Evaluation of UAV "CRP Data for Monitoring Transportation Infrastructure Constructed over Expansive Soils. <i>Indian Geotechnical Journal</i> , 2020, 50, 159-171.	0.7	15

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55	Suction-controlled multistage triaxial testing on clayey silty soil. <i>Engineering Geology</i> , 2020, 265, 105409.	2.9	14
56	Prediction of the Coefficient of Consolidation of Soil via the Hyperbolic Fitting Method during Piezocone Dissipation Test. <i>International Journal of Geomechanics</i> , 2020, 20, 06020026.	1.3	1
57	Variation of Resilient Modulus of Subgrade Soils over a Wide Range of Suction States. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	1.5	17
58	Externally heated geothermal bridge deck: Performance analysis of the U-tube ground heat exchanger. <i>E3S Web of Conferences</i> , 2020, 205, 07006.	0.2	0
59	Unsaturated Shear Strength of Compacted Clayey Soil via Suction-controlled Ring Shear Testing. <i>E3S Web of Conferences</i> , 2020, 195, 03024.	0.2	0
60	Geosynthetics in geo-infrastructure applications. , 2020, , 289-312.		4
61	Sustainability Benefits Assessment of Metakaolin-Based Geopolymer Treatment of High Plasticity Clay. <i>Sustainability</i> , 2020, 12, 10495.	1.6	23
62	Seismic response analysis of a hydraulic fill dam. <i>Acta Geotechnica</i> , 2020, 15, 3095-3110.	2.9	5
63	Suppressing Ettringite-Induced Swelling of Gypseous Soil by Using Magnesia-Activated Ground Granulated Blast-Furnace Slag. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	1.5	35
64	Piezocone penetration test-based site characterisation of Chongâ€™Qi Bridge project, China. <i>Proceedings of the Institution of Civil Engineers: Forensic Engineering</i> , 2020, 173, 25-34.	0.5	4
65	Experimental Studies and Modeling of High-Sulfate Soil Stabilization. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	1.5	25
66	Three-Dimensional Stability Analysis of Rock Slope Using Aerial Photogrammetry Data. , 2020, , .		7
67	Influence of Anisotropic Permeability on Slope Stability Analysis of an Earthen Dam during Rapid Drawdown. , 2020, , .		4
68	Stress-Dilatancy of Unsaturated Soil. , 2020, , .		4
69	Resilient Modulus of Expansive Soils in North Texas Treated with Liquid Ionic Soil Stabilizer (LISS). , 2020, , .		1
70	Comparison of Earthquake-Induced Pore Water Pressure and Deformations in Earthen Dams Using Non-Linear and Equivalent Linear Analyses. , 2020, , .		3
71	Performance of Geocell-Reinforced Recycled Asphalt Pavement (RAP) Bases in Flexible Pavements Built on Expansive Soils. , 2020, , .		9
72	Field Performance of Geocell Reinforced Recycled Asphalt Pavement Base Layer. <i>Transportation Research Record</i> , 2020, 2674, 69-80.	1.0	16

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73	A unified soil thermal conductivity model based on artificial neural network. International Journal of Thermal Sciences, 2020, 155, 106414.	2.6	41
74	Suction Stress Characteristic Curves of Cohesive-Frictional Soils from Multiple Suction-Controlled Testing Methods. International Journal of Geomechanics, 2020, 20, .	1.3	4
75	Effect of Fines on Hysteretic Hydraulic Conductivity of Unsaturated Soil. , 2020, , .		4
76	A Holistic Approach for Visualization of Transportation Infrastructure Assets Using UAV-CRP Technology. Springer Series in Geomechanics and Geoengineering, 2020, , 3-17.	0.0	11
77	Resilient Modulus of Expansive Soils at High Suction Using Vapor Pressure Control. Geotechnical Testing Journal, 2020, 43, 720-736.	0.5	8
78	Quality Assurance Studies for Ground Improvement Projects. Developments in Geotechnical Engineering, 2019, , 1-14.	0.6	0
79	Assessment of Ground Improvement by Vibro-compaction Method for Liquefiable Deposits from In-Situ Testing Data. International Journal of Civil Engineering, 2019, 17, 723-735.	0.9	21
80	Effect of Constant Energy Source on Coherence Function in Spectral Analysis of Surface Waves (SASW) Testing. Lecture Notes in Civil Engineering, 2019, , 59-65.	0.3	1
81	Thermo-hydro-mechanical properties of bentonite-sand-graphite-polypropylene fiber mixtures as buffer materials for a high-level radioactive waste repository. International Journal of Heat and Mass Transfer, 2019, 141, 981-994.	2.5	45
82	Novel Methodology of Using Aerial Close Range Photogrammetry Technology for Monitoring the Pavement Construction Projects. , 2019, , .		14
83	Evaluation of thermal-mechanical properties of quartz sandâ€“bentoniteâ€“carbon fiber mixtures as the borehole backfilling material in ground source heat pump. Energy and Buildings, 2019, 202, 109407.	3.1	52
84	A Semi-empirical Approach-Based Model for Swell Characterization of Expansive Clays. Geotechnical and Geological Engineering, 2019, 37, 5371-5381.	0.8	6
85	In-situ evaluation of undrained shear strength from seismic piezocone penetration tests for soft marine clay in Jiangsu, China. Transportation Geotechnics, 2019, 20, 100253.	2.0	23
86	Improving a thermal conductivity model of unsaturated soils based on multivariate distribution analysis. Acta Geotechnica, 2019, 14, 2007-2029.	2.9	10
87	Mechanical properties and micro-mechanism of loess roadbed filling using by-product red mud as a partial alternative. Construction and Building Materials, 2019, 216, 188-201.	3.2	65
88	Design and construction of lightweight EPS geofom embedded geomaterial embankment system for control of settlements. Geotextiles and Geomembranes, 2019, 47, 295-305.	2.3	49
89	Life-Cycle cost-benefit analysis of Bridge deck de-icing using geothermal heat pump system: A case study of North Texas. Sustainable Cities and Society, 2019, 47, 101492.	5.1	35
90	Effect of Lime Stabilization on the Unsaturated Hydraulic Conductivity of Clayey Soil in Texas. , 2019, , .		7

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91	Sulfate-Heaving Studies on Chemically Treated Sulfate-Rich Geomaterials. Journal of Materials in Civil Engineering, 2019, 31, .	1.3	29
92	Research Advancements in Expansive Soil Characterization, Stabilization and Geoinfrastructure Monitoring. Developments in Geotechnical Engineering, 2019, , 15-29.	0.6	29
93	Variable-diameter deep mixing column for multi-layered soft ground improvement: Laboratory modeling and field application. Soils and Foundations, 2019, 59, 633-643.	1.3	20
94	Utilization of carbide slag-activated ground granulated blastfurnace slag to treat gypseous soil. Soils and Foundations, 2019, 59, 1496-1507.	1.3	28
95	Suction stress via thermo-servo/constant-water content ring shear testing. Japanese Geotechnical Society Special Publication, 2019, 7, 110-114.	0.2	0
96	TWO-DIMENSIONAL FRACTAL MODEL FOR ULTIMATE CRUSHING STATE OF COARSE AGGREGATES. Fractals, 2019, 27, 1950109.	1.8	2
97	Development of a CO2 Heat Pipe for Hydronic Heated Bridge Decks. Springer Series in Geomechanics and Geoengineering, 2019, , 51-57.	0.0	0
98	Laboratory and Field Investigations on Geofoam. Journal of Pipeline Systems Engineering and Practice, 2019, 10, .	0.9	5
99	Correlations between Shear Wave Velocity and Geotechnical Parameters for Jiangsu Clays of China. Pure and Applied Geophysics, 2019, 176, 669-684.	0.8	22
100	Natural frequency of earthen dams at different induced strain levels. Engineering Geology, 2019, 248, 330-345.	2.9	14
101	A rational approach to select the number of field tests required to determine subgrade properties. International Journal of Pavement Engineering, 2019, 20, 1118-1126.	2.2	5
102	Undrained Shear Strength and Pore Pressure Changes Due to Prestress Concrete Pile Installation in Soft Clay. International Journal of Civil Engineering, 2019, 17, 193-203.	0.9	16
103	Use of Constant Energy Source in SASW Test and Its Influence on Seismic Response Analysis. Geotechnical Testing Journal, 2019, 41, 20170220.	0.5	4
104	Performance Evaluation of a Bridge Infrastructure Using Terrestrial Laser Scanning Technology. Geotechnical Testing Journal, 2019, 42, 1587-1605.	0.5	2
105	Bearing capacity of composite foundation consisting of T-shaped soil-cement column and soft clay. Transportation Geotechnics, 2018, 15, 47-56.	2.0	46
106	SPTâ€œCPTU Correlations and Liquefaction Evaluation for the Island and Tunnel Project of the Hong Kongâ€œZhuhaiâ€œMacao Bridge. International Journal of Civil Engineering, 2018, 16, 1423-1434.	0.9	9
107	Closure to â€œLong-Term Performance of a Highway Embankment Built with Lightweight Aggregatesâ€œby Anand J. Puppala, Sireesh Saride, Raja V. Yenigalla, Bhaskar C. S. Chittoori, and Ekarut Archeewa. Journal of Performance of Constructed Facilities, 2018, 32, 07018003.	1.0	0
108	Sustainability and resilience analyses in slope stabilisation. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2018, 171, 25-36.	0.4	15

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109	Optimising geotechnical data for analysis of levee resilience. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2018, 171, 90-101.	0.4	1
110	Comparing the Response of Static Loading Tests on Two Model Pile Groups in Soft Clay. Geotechnical and Geological Engineering, 2018, 36, 13-26.	0.8	2
111	Addressing Clay Mineralogy Effects on Performance of Chemically Stabilized Expansive Soils Subjected to Seasonal Wetting and Drying. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	1.5	54
112	Bounding surface-based modeling of compacted silty sand exhibiting suction dependent postpeak strain softening. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 1741-1761.	1.7	9
113	Total system error analysis of UAV-CRP technology for monitoring transportation infrastructure assets. Engineering Geology, 2018, 247, 104-116.	2.9	51
114	Ettringite induced heaving in stabilized high sulfate soils. Innovative Infrastructure Solutions, 2018, 3, 1.	1.1	30
115	Robust Linear Regression for Undrained Shear Strength Data. , 2018, , 509-515.		0
116	Compression behavior of reconstituted soils mixed with bentonite for a cutoff wall in a landfill site. Environmental Earth Sciences, 2018, 77, 1.	1.3	15
117	Resilient Modulus of Liquid Chemical-Treated Expansive Soils. , 2018, , 114-120.		1
118	Strength, Stiffness and Radial Anisotropy of Compacted Silty Sand Under Suction-Controlled Axisymmetric Shearing. Geotechnical and Geological Engineering, 2018, 36, 3945-3960.	0.8	5
119	Shear Strength Prediction of Compacted Silty Sand at Peak/Critical State Failure over Wider Suction Range. , 2018, , .		0
120	New Approach for Predicting Particle Breakage of Granular Material Using the Grey System Theory. Journal of Materials in Civil Engineering, 2018, 30, .	1.3	12
121	Understanding Shallow Slope Failures on Expansive Soil Embankments in North Texas Using Unsaturated Soil Property Framework. , 2018, , .		7
122	Evaluation of Liquefaction Resistance in Silty Sand via Suction Controlled Cyclic Triaxial Tests. , 2018, , .		3
123	Numerical Simulation of Bearing Capacity and Consolidation Characteristics of PHC Pile Foundation. , 2018, , 178-185.		2
124	Modeling Stress-Dilatancy Behavior of Compacted Silty Sand Under Suction-Controlled Axisymmetric Shearing. Geotechnical and Geological Engineering, 2018, 36, 3961-3977.	0.8	8
125	Results of Static Loading Tests on Single Piles and on Pile-Supported LPG Tanks. Geotechnical and Geological Engineering, 2018, 36, 3811-3822.	0.8	1
126	Comparison of Different Electrical Resistivity Measurement Methods of Soft Marine Clays. , 2018, , 477-485.		1

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127	Expansive Soil Treatment with Liquid Ionic Soil Stabilizer. Transportation Research Record, 2018, 2672, 185-194.	1.0	37
128	Visualization of Civil Infrastructure Emphasizing Geomaterial Characterization and Performance. Journal of Materials in Civil Engineering, 2018, 30, .	1.3	35
129	Impact of Variation of Small Strain Shear Modulus on Seismic Slope Stability Analysis of a Levee: A Sensitivity Analysis. , 2018, , .		4
130	A Simplified Approach to Determine the Response of Unsaturated Soils Using Multistage Triaxial Test. , 2018, , .		10
131	Numerical Feasibility Study of an Externally Heated Geothermal Bridge Deck. , 2018, , .		3
132	Establishing a Threshold Sustainability Index for a Geotechnical Construction. , 2018, , .		0
133	A Case Study and Lessons Learned Loop 1604 Western Extension Subgrade and Pavement Testing and Evaluation. , 2018, , .		0
134	Analysis and Interpretation of Inclinator and Pressure Cell Data on a Soil-Geofoam Embankment. , 2018, , 410-418.		2
135	Evaluation of Liquefaction Potential of Saturated Sands Based on Resistivity Piezocone Penetration Testing. , 2018, , 355-363.		0
136	Feasibility study of using subgrade moisture content as key parameter to evaluate HMA roads performance under different drying/wetting cycles. MOJ Civil Engineering, 2018, 4, 66-73.	0.3	0
137	Multivariate Correlations Among SCPTU Parameters of Jiangsu Cohesionless Soils. , 2018, , 364-372.		0
138	Sustainability and Resilience in Transportation Infrastructure Geotechnics: Integrating Advanced Technologies for Better Asset Management. Geo-strata, 2018, 22, 42-48.	0.0	0
139	Random field characterization of CPTU soil behavior type index of Jiangsu quaternary soil deposits. Bulletin of Engineering Geology and the Environment, 2017, 76, 353-369.	1.6	10
140	Characterization of spatial variability of CPTU data in a liquefaction site improved by vibro-compaction method. KSCE Journal of Civil Engineering, 2017, 21, 209-219.	0.9	14
141	Mapping probability of liquefaction using geostatistics and first order reliability method based on CPTU measurements. Engineering Geology, 2017, 218, 197-212.	2.9	18
142	A new generalized soil thermal conductivity model for sand&kaolin clay mixtures using thermo-time domain reflectometry probe test. Acta Geotechnica, 2017, 12, 739-752.	2.9	62
143	Long-Term Durability Studies on Chemically Treated Reclaimed Asphalt Pavement Material as a Base Layer for Pavements. Transportation Research Record, 2017, 2657, 1-9.	1.0	21
144	Three-Dimensional Visualization Model of the Eagle Mountain Dam Using Cone Penetration Test Data Based on Geostatistics. , 2017, , .		4

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145	Innovative ground improvement techniques for expansive soils. Innovative Infrastructure Solutions, 2017, 2, 1.	1.1	51
146	Diffused Double-Layer Swell Prediction Model to Better Characterize Natural Expansive Clays. Journal of Engineering Mechanics - ASCE, 2017, 143, .	1.6	30
147	Assessing Spatial Variability of Piezocone Penetration Resistance of Layered Soft Clays Using Geostatistics. , 2017, , .		2
148	Long-Term Performance of a Highway Embankment Built with Lightweight Aggregates. Journal of Performance of Constructed Facilities, 2017, 31, .	1.0	5
149	Energy-efficient slum house using alternative materials. Proceedings of Institution of Civil Engineers: Energy, 2017, 170, 93-102.	0.5	12
150	Investigation on thermal characteristics and prediction models of soils. International Journal of Heat and Mass Transfer, 2017, 106, 1074-1086.	2.5	72
151	Assessment of Guar Gum Biopolymer Treatment toward Mitigation of Desiccation Cracking on Slopes Built with Expansive Soils. Transportation Research Record, 2017, 2657, 78-88.	1.0	38
152	Modeling critical-state shear strength behavior of compacted silty sand via suction-controlled triaxial testing. Engineering Geology, 2017, 231, 21-33.	2.9	48
153	Multivariate correlation analysis of seismic piezocone penetration (SCPTU) parameters and design properties of Jiangsu quaternary cohesive soils. Engineering Geology, 2017, 228, 11-38.	2.9	26
154	Effect of Seasonal Changes on a Hybrid Soil-Geofoam Embankment System. International Journal of Geosynthetics and Ground Engineering, 2017, 3, 1.	0.9	10
155	Spatial Mapping of Soluble Sulfate Concentrations Present in Natural Soils Using Geostatistics. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	1.5	11
156	Correlations Between Electrical Resistivity and Geotechnical Parameters for Jiangsu Marine Clay Using Spearman's Coefficient Test. International Journal of Civil Engineering, 2017, 15, 419-429.	0.9	24
157	Experimental Modeling of Unsaturated Intermediate Geomaterials for Sustainable Design of Geotechnical Infrastructure. Springer Transactions in Civil and Environmental Engineering, 2017, , 175-197.	0.3	1
158	Vertical bearing capacity behaviour of single T-shaped soil-cement column in soft ground: laboratory modelling, field test, and calculation. Acta Geotechnica, 2017, 12, 1077-1088.	2.9	44
159	Waste Management: Conservation, Reuse, and Recycling of Materials and Components. , 2017, , 223-236.		1
160	Design and Evaluation of a Moisture/Suction TDR Probe. Geotechnical Testing Journal, 2017, 40, 762-775.	0.5	2
161	Geostatistical Modeling Resistivity of Cohesionless Soil Using RCPTU Data. , 2016, , .		1
162	Reconciling soil-water retention properties and shear strength parameters of compacted clayey soils via suction-controlled ring shear testing. E3S Web of Conferences, 2016, 9, 09013.	0.2	0

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163	Evaluation of swell behaviour of expansive clays from specific moisture capacity. E3S Web of Conferences, 2016, 9, 14011.	0.2	2
164	Essential features of compacted silty sand behavior via suction-controlled triaxial testing. E3S Web of Conferences, 2016, 9, 17009.	0.2	0
165	Quality Assurance Method for Assessment of Stiffness of Pipeline Bedding Material. Journal of Materials in Civil Engineering, 2016, 28, 04015160.	1.3	3
166	Characterization of compacted silty sand via relative humidity-controlled triaxial testing. E3S Web of Conferences, 2016, 9, 09012.	0.2	0
167	A review of sustainable approaches in transport infrastructure geotechnics. Transportation Geotechnics, 2016, 7, 21-28.	2.0	125
168	Engineering properties and microstructural characteristics of foundation silt stabilized by lignin-based industrial by-product. KSCE Journal of Civil Engineering, 2016, 20, 2725-2736.	0.9	50
169	Thermal conductivity of sand-kaolin clay mixtures. Environmental Geotechnics, 2016, 3, 190-202.	1.3	25
170	Compressive Modulus of Soil-Bentonite Mixtures for Cutoff Walls from CPTU Data. , 2016, , .		1
171	Advances in ground modification with chemical additives: From theory to practice. Transportation Geotechnics, 2016, 9, 123-138.	2.0	69
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