

Anand Puppala

List of Publications by Year in descending order

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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	Engineering properties and microstructural characteristics of cement-stabilized zinc-contaminated kaolin. <i>Canadian Geotechnical Journal</i> , 2014, 51, 289-302.	1.4	283
2	Resilient Moduli Response of Moderately Cement-Treated Reclaimed Asphalt Pavement Aggregates. <i>Journal of Materials in Civil Engineering</i> , 2011, 23, 990-998.	1.3	247
3	Experimental Studies on Ettringite-Induced Heaving in Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2005, 131, 325-337.	1.5	155
4	Characterization of Cement-Fiber-Treated Reclaimed Asphalt Pavement Aggregates: Preliminary Investigation. <i>Journal of Materials in Civil Engineering</i> , 2011, 23, 977-989.	1.3	152
5	Swell-shrink and strength behaviors of lime and cement stabilized expansive organic clays. <i>Applied Clay Science</i> , 2013, 85, 39-45.	2.6	148
6	Field Investigations on Performance of T-Shaped Deep Mixed Soil Cement Column-Supported Embankments over Soft Ground. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 718-727.	1.5	129
7	Volume Change Behaviors of Expansive Soils Stabilized with Recycled Ashes and Fibers. <i>Journal of Materials in Civil Engineering</i> , 2006, 18, 295-306.	1.3	125
8	A review of sustainable approaches in transport infrastructure geotechnics. <i>Transportation Geotechnics</i> , 2016, 7, 21-28.	2.0	125
9	Effects of Fiber Reinforcement on Strength and Volume Change in Expansive Soils. <i>Transportation Research Record</i> , 2000, 1736, 134-140.	1.0	119
10	Sustainability and geotechnical engineering: perspectives and review. <i>Canadian Geotechnical Journal</i> , 2015, 52, 96-113.	1.4	107
11	Studies on Sulfate-Resistant Cement Stabilization Methods to Address Sulfate-Induced Soil Heave. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2004, 130, 391-402.	1.5	105
12	Soil-Water Characteristic Curves of Stabilized Expansive Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2006, 132, 736-751.	1.5	104
13	Permanent Deformation Characterization of Subgrade Soils from RLT Test. <i>Journal of Materials in Civil Engineering</i> , 1999, 11, 274-282.	1.3	99
14	Semi-empirical model for the prediction of modulus of elasticity for unsaturated soils. <i>Canadian Geotechnical Journal</i> , 2009, 46, 903-914.	1.4	97
15	Experimental and Modeling Studies of Permanent Strains of Subgrade Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009, 135, 1379-1389.	1.5	92
16	Swell and shrinkage characterizations of unsaturated expansive clays from Texas. <i>Engineering Geology</i> , 2013, 164, 187-194.	2.9	81
17	Stiffness of intermediate unsaturated soil from simultaneous suction-controlled resonant column and bender element testing. <i>Engineering Geology</i> , 2015, 188, 10-28.	2.9	78
18	Experimental investigation of thermal and mechanical properties of lignin treated silt. <i>Engineering Geology</i> , 2015, 196, 1-11.	2.9	77

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19	Quantitative Estimation of Clay Mineralogy in Fine-Grained Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011, 137, 997-1008.	1.5	72
20	Thermal Conductivity of Quartz Sands by Thermo-Time Domain Reflectometry Probe and Model Prediction. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	1.3	72
21	Investigation on thermal characteristics and prediction models of soils. <i>International Journal of Heat and Mass Transfer</i> , 2017, 106, 1074-1086.	2.5	72
22	Sustainable Reuse of Limestone Quarry Fines and RAP in Pavement Base/Subbase Layers. <i>Journal of Materials in Civil Engineering</i> , 2012, 24, 418-429.	1.3	69
23	Advances in ground modification with chemical additives: From theory to practice. <i>Transportation Geotechnics</i> , 2016, 9, 123-138.	2.0	69
24	Dynamic Properties of Chemically Stabilized Sulfate Rich Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2004, 130, 153-162.	1.5	67
25	Mechanical properties and micro-mechanism of loess roadbed filling using by-product red mud as a partial alternative. <i>Construction and Building Materials</i> , 2019, 216, 188-201.	3.2	65
26	Engineering Behavior of Lime-Treated Louisiana Subgrade Soil. <i>Transportation Research Record</i> , 1996, 1546, 24-31.	1.0	62
27	A new generalized soil thermal conductivity model for sand-kaolin clay mixtures using thermo-time domain reflectometry probe test. <i>Acta Geotechnica</i> , 2017, 12, 739-752.	2.9	62
28	Comprehensive Life-Cycle Cost Analysis for Selection of Stabilization Alternatives for Better Performance of Low-Volume Roads. <i>Transportation Research Record</i> , 2011, 2204, 120-129.	1.0	61
29	Strength and durability assessment of expansive soil stabilized with recycled ash and natural fibers. <i>Transportation Geotechnics</i> , 2021, 29, 100556.	2.0	61
30	Carbide slag-activated ground granulated blastfurnace slag for soft clay stabilization. <i>Canadian Geotechnical Journal</i> , 2015, 52, 656-663.	1.4	60
31	Comparison of CPT charts for soil classification using PCPT data: Example from clay deposits in Jiangsu Province, China. <i>Engineering Geology</i> , 2011, 121, 89-96.	2.9	55
32	Addressing Clay Mineralogy Effects on Performance of Chemically Stabilized Expansive Soils Subjected to Seasonal Wetting and Drying. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	1.5	54
33	Small-Strain Shear Moduli of Chemically Stabilized Sulfate-Bearing Cohesive Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2006, 132, 322-336.	1.5	52
34	Influence of Mineralogy and Plasticity Index on the Stabilization Effectiveness of Expansive Clays. <i>Transportation Research Record</i> , 2011, 2212, 91-99.	1.0	52
35	Evaluation of thermal-mechanical properties of quartz sand-bentonite-carbon fiber mixtures as the borehole backfilling material in ground source heat pump. <i>Energy and Buildings</i> , 2019, 202, 109407.	3.1	52
36	Cone Penetration in Very Weakly Cemented Sand. <i>Journal of Geotechnical Engineering</i> , 1995, 121, 589-600.	0.4	51

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37	Characterization on the correlation between shear wave velocity and piezocone tip resistance of Jiangsu clays. <i>Engineering Geology</i> , 2014, 171, 96-103.	2.9	51
38	Innovative ground improvement techniques for expansive soils. <i>Innovative Infrastructure Solutions</i> , 2017, 2, 1.	1.1	51
39	Total system error analysis of UAV-CRP technology for monitoring transportation infrastructure assets. <i>Engineering Geology</i> , 2018, 247, 104-116.	2.9	51
40	Quality Assessment and Quality Control of Deep Soil Mixing Construction for Stabilizing Expansive Subsoils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010, 136, 119-128.	1.5	50
41	Swell and shrinkage strain prediction models for expansive clays. <i>Engineering Geology</i> , 2014, 168, 1-8.	2.9	50
42	Engineering properties and microstructural characteristics of foundation silt stabilized by lignin-based industrial by-product. <i>KSCE Journal of Civil Engineering</i> , 2016, 20, 2725-2736.	0.9	50
43	Design and construction of lightweight EPS geofoam embedded geomaterial embankment system for control of settlements. <i>Geotextiles and Geomembranes</i> , 2019, 47, 295-305.	2.3	49
44	Threshold moisture content and matric suction potentials in expansive clays prior to initiation of cracking in pavements. <i>Canadian Geotechnical Journal</i> , 2011, 48, 519-531.	1.4	48
45	Modeling critical-state shear strength behavior of compacted silty sand via suction-controlled triaxial testing. <i>Engineering Geology</i> , 2017, 231, 21-33.	2.9	48
46	Experimental Studies on Stabilized Clays at Various Leaching Cycles. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 1665-1675.	1.5	47
47	Study of Strain Wedge Parameters for Laterally Loaded Piles. <i>International Journal of Geomechanics</i> , 2013, 13, 143-152.	1.3	47
48	Bearing capacity of composite foundation consisting of T-shaped soil-cement column and soft clay. <i>Transportation Geotechnics</i> , 2018, 15, 47-56.	2.0	46
49	Thermo-hydro-mechanical properties of bentonite-sand-graphite-polypropylene fiber mixtures as buffer materials for a high-level radioactive waste repository. <i>International Journal of Heat and Mass Transfer</i> , 2019, 141, 981-994.	2.5	45
50	Vertical bearing capacity behaviour of single T-shaped soil-cement column in soft ground: laboratory modelling, field test, and calculation. <i>Acta Geotechnica</i> , 2017, 12, 1077-1088.	2.9	44
51	Evaluation and Mix Design of Cement-Treated Base Materials with High Content of Reclaimed Asphalt Pavement. <i>Transportation Research Record</i> , 2011, 2212, 110-119.	1.0	43
52	Mechanistic Evaluation of Hydrated Lime in Hot-Mix Asphalt Mixtures. <i>Transportation Research Record</i> , 2000, 1723, 26-36.	1.0	42
53	Residual shear strength of unsaturated soils via suction-controlled ring shear testing. <i>Engineering Geology</i> , 2014, 172, 1-11.	2.9	42
54	Evaluation of Fly ash Treated Reclaimed Asphalt Pavement for Base/Subbase Applications. <i>Indian Geotechnical Journal</i> , 2015, 45, 401-411.	0.7	42

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55	Reliability assessment of CPTU-based pile capacity predictions in soft clay deposits. <i>Engineering Geology</i> , 2012, 141-142, 84-91.	2.9	41
56	Thermal characterization and prediction model of typical soils in Nanjing area of China. <i>Engineering Geology</i> , 2015, 191, 23-30.	2.9	41
57	A unified soil thermal conductivity model based on artificial neural network. <i>International Journal of Thermal Sciences</i> , 2020, 155, 106414.	2.6	41
58	Ranking of Four Chemical and Mechanical Stabilization Methods to Treat Low-Volume Road Subgrades in Texas. <i>Transportation Research Record</i> , 2003, 1819, 63-71.	1.0	40
59	Multivariate correlation among resilient modulus and cone penetration test parameters of cohesive subgrade soils. <i>Engineering Geology</i> , 2016, 209, 128-142.	2.9	40
60	Assessment of Guar Gum Biopolymer Treatment toward Mitigation of Desiccation Cracking on Slopes Built with Expansive Soils. <i>Transportation Research Record</i> , 2017, 2657, 78-88.	1.0	38
61	Expansive Soil Treatment with Liquid Ionic Soil Stabilizer. <i>Transportation Research Record</i> , 2018, 2672, 185-194.	1.0	37
62	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
63	Visualization of Civil Infrastructure Emphasizing Geomaterial Characterization and Performance. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	1.3	35
64	Life-Cycle cost-benefit analysis of Bridge deck de-icing using geothermal heat pump system: A case study of North Texas. <i>Sustainable Cities and Society</i> , 2019, 47, 101492.	5.1	35
65	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
66	Laboratory modelling of T-shaped soil-cement column for soft ground treatment under embankment. <i>Geotechnique</i> , 2016, 66, 85-89.	2.2	34
67	Effects of Organic Matter on Physical, Strength, and Volume Change Properties of Compost Amended Expansive Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2007, 133, 1449-1461.	1.5	33
68	Fiber and Fly Ash Stabilization Methods to Treat Soft Expansive Soils. , 2001, , 136.		32
69	Combined Lime-Cement Stabilization for Longer Life of Low-Volume Roads. <i>Transportation Research Record</i> , 2011, 2204, 140-147.	1.0	32
70	Stabilization of High-Sulfate Soils by Extended Mellowing. <i>Transportation Research Record</i> , 2013, 2363, 96-104.	1.0	32
71	Design and Construction Guidelines for Deep Soil Mixing to Stabilize Expansive Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, .	1.5	32
72	Evaluation of a Modified Soluble Sulfate Determination Method for Fine-Grained Cohesive Soils. <i>Geotechnical Testing Journal</i> , 2002, 25, 85-94.	0.5	32

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73	Resilient Moduli of Treated Clays from Repeated Load Triaxial Test. Transportation Research Record, 2003, 1821, 68-74.	1.0	30
74	Strength and Stiffness Characterization of Controlled Low-Strength Material Using Native High-Plasticity Clay. Journal of Materials in Civil Engineering, 2014, 26, .	1.3	30
75	Diffused Double-Layer Swell Prediction Model to Better Characterize Natural Expansive Clays. Journal of Engineering Mechanics - ASCE, 2017, 143, .	1.6	30
76	Ettringite induced heaving in stabilized high sulfate soils. Innovative Infrastructure Solutions, 2018, 3, 1.	1.1	30
77	Sustainable Reutilization of Excavated Trench Material. , 2012, , .		29
78	Resilient Moduli Behavior of Lime-Cement Treated Subgrade Soils. , 2012, , .		29
79	Refined True Triaxial Apparatus for Testing Unsaturated Soils under Suction-Controlled Stress Paths. International Journal of Geomechanics, 2012, 12, 281-291.	1.3	29
80	Effects of Particle Size and Fines Content on Thermal Conductivity of Quartz Sands. Transportation Research Record, 2015, 2510, 36-43.	1.0	29
81	Sulfate-Heaving Studies on Chemically Treated Sulfate-Rich Geomaterials. Journal of Materials in Civil Engineering, 2019, 31, .	1.3	29
82	Research Advancements in Expansive Soil Characterization, Stabilization and Geoinfrastructure Monitoring. Developments in Geotechnical Engineering, 2019, , 15-29.	0.6	29
83	Utilization of carbide slag-activated ground granulated blastfurnace slag to treat gypseous soil. Soils and Foundations, 2019, 59, 1496-1507.	1.3	28
84	Experimental feasibility study of a new attached hydronic loop design for geothermal heating of bridge decks. Applied Thermal Engineering, 2020, 164, 114507.	3.0	28
85	Evaluation of Chemical Stabilization of a Highly Expansive Clayey Soil. Transportation Research Record, 2011, 2204, 148-157.	1.0	27
86	Predictions of coefficient of consolidation from CPTU dissipation tests in Quaternary clays. Bulletin of Engineering Geology and the Environment, 2012, 71, 337-350.	1.6	27
87	A semi-empirical swell prediction model formulated from α -clay mineralogy and unsaturated soil TM properties. Engineering Geology, 2016, 200, 114-121.	2.9	27
88	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
89	Compressibility and Collapsibility Characteristics of Sedimented Fly Ash Beds. Journal of Materials in Civil Engineering, 2008, 20, 401-409.	1.3	25
90	Thermal conductivity of sand α kaolin clay mixtures. Environmental Geotechnics, 2016, 3, 190-202.	1.3	25

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91	Experimental Studies and Modeling of High-Sulfate Soil Stabilization. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	1.5	25
92	Calcium-based stabiliser treatment of sulfate-bearing soils. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2014, 167, 162-172.	0.7	24
93	Modeling Essential Elastoplastic Features of Compacted Silty Sand via Suction-Controlled Triaxial Testing. International Journal of Geomechanics, 2016, 16, .	1.3	24
94	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
95	Liquefaction assessments using seismic piezocone penetration (SCPTU) test investigations in Tangshan region in China. Soil Dynamics and Earthquake Engineering, 2012, 41, 141-150.	1.9	23
96	Evaluation of Swell Behavior of Expansive Clays from Internal Specific Surface and Pore Size Distribution. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	1.5	23
97	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
98	Sustainability Benefits Assessment of Metakaolin-Based Geopolymer Treatment of High Plasticity Clay. Sustainability, 2020, 12, 10495.	1.6	23
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	Comparing carbide sludge-ground granulated blastfurnace slag and ordinary Portland cement: Different findings from binder paste and stabilized clay slurry. Construction and Building Materials, 2022, 321, 126382.	3.2	22
101	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
102	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
103	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
104	A novel full-scale external geothermal heating system for bridge deck de-icing. Applied Thermal Engineering, 2021, 185, 116365.	3.0	20
105	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
106	Role of crystalline silica admixture in mitigating ettringite-induced heave in lime-treated sulfate-rich soils. Geotechnique, 2022, 72, 438-454.	2.2	20
107	Engineering Behavior of Lime-Treated Louisiana Subgrade Soil. , 0, .		20
108	Forensic Investigations to Evaluate Sulfate-Induced Heave Attack on a Tunnel Shotcrete Liner. Journal of Materials in Civil Engineering, 2010, 22, 914-922.	1.3	19

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109	Modeling Unsaturated Soil Response under Suction-Controlled True Triaxial Stress Paths. <i>International Journal of Geomechanics</i> , 2012, 12, 292-308.	1.3	19
110	Flowability and Density Characteristics of Controlled Low-Strength Material Using Native High-Plasticity Clay. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	1.3	19
111	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
112	Use of Lightweight ECS as a Fill Material to Control Approach Embankment Settlements. <i>Journal of Materials in Civil Engineering</i> , 2010, 22, 607-617.	1.3	18
113	Mapping probability of liquefaction using geostatistics and first order reliability method based on CPTU measurements. <i>Engineering Geology</i> , 2017, 218, 197-212.	2.9	18
114	Identification of Soil Strata Based on General Regression Neural Network Model From CPTU Data. <i>Marine Georesources and Geotechnology</i> , 2015, 33, 229-238.	1.2	17
115	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
116	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
117	Undrained Shear Strength and Pore Pressure Changes Due to Prestress Concrete Pile Installation in Soft Clay. <i>International Journal of Civil Engineering</i> , 2019, 17, 193-203.	0.9	16
118	Field Performance of Geocell Reinforced Recycled Asphalt Pavement Base Layer. <i>Transportation Research Record</i> , 2020, 2674, 69-80.	1.0	16
119	Prediction of embankment settlements over marine clay using piezocone penetration tests. <i>Bulletin of Engineering Geology and the Environment</i> , 2011, 70, 401-409.	1.6	15
120	Evaluation of Pile Bearing Capacity from Piezocone Penetration Test Data in Soft Jiangsu Quaternary Clay Deposits. <i>Marine Georesources and Geotechnology</i> , 2011, 29, 177-201.	1.2	15
121	Design Guide for Rigid Foundation Systems on Expansive Soils. <i>International Journal of Geomechanics</i> , 2012, 12, 528-536.	1.3	15
122	Sustainability and resilience analyses in slope stabilisation. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2018, 171, 25-36.	0.4	15
123	Compression behavior of reconstituted soils mixed with bentonite for a cutoff wall in a landfill site. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	15
124	Evaluation of UAVâ€‘CRP Data for Monitoring Transportation Infrastructure Constructed over Expansive Soils. <i>Indian Geotechnical Journal</i> , 2020, 50, 159-171.	0.7	15
125	Improvement of Strength and Volume-Change Properties of Expansive Clays with Geopolymer Treatment. <i>Transportation Research Record</i> , 2021, 2675, 308-320.	1.0	15
126	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

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127	Using Repeated-Load Triaxial Tests to Evaluate Plastic Strain Potentials in Subgrade Soils. Transportation Research Record, 2005, 1913, 86-98.	1.0	14
128	Moisture Content-Based Longitudinal Cracking Prediction and Evaluation Model for Low-Volume Roads over Expansive Soils. Journal of Materials in Civil Engineering, 2015, 27, 04014263.	1.3	14
129	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
130	Novel Methodology of Using Aerial Close Range Photogrammetry Technology for Monitoring the Pavement Construction Projects. , 2019, , .		14
131	Natural frequency of earthen dams at different induced strain levels. Engineering Geology, 2019, 248, 330-345.	2.9	14
132	Suction-controlled multistage triaxial testing on clayey silty soil. Engineering Geology, 2020, 265, 105409.	2.9	14
133	SWRC Modelling Framework for Evaluating Volume Change Behavior of Expansive Soils. , 2012, , 221-228.		14
134	Compost Amended Soil Treatment for Mitigating Highway Shoulder Desiccation Cracks. Journal of Infrastructure Systems, 2007, 13, 287-298.	1.0	13
135	Probabilistic identification of contaminated soils using resistivity piezocone penetration tests. Acta Geotechnica, 2020, 15, 761-779.	2.9	13
136	Geotechnical slope stability and rockfall debris related safety assessments of rock cuts adjacent to a rail track using aerial photogrammetry data analysis. Transportation Geotechnics, 2021, 30, 100595.	2.0	13
137	Effect of Synthetic Geotextile on Stabilization of Expansive Subgrades: Experimental Study. Journal of Materials in Civil Engineering, 2021, 33, .	1.3	13
138	Evaluation of subsurface spatial variability in site characterization based on RCPTU data. Bulletin of Engineering Geology and the Environment, 2016, 75, 401-412.	1.6	12
139	Energy-efficient slum house using alternative materials. Proceedings of Institution of Civil Engineers: Energy, 2017, 170, 93-102.	0.5	12
140	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
141	Triaxial strength behavior of carbide sludge (CS)â€™ground-granulated blastfurnace slag (GGBS)-treated clay slurry. Acta Geotechnica, 2022, 17, 5585-5596.	2.9	12
142	Spatial Mapping of Soluble Sulfate Concentrations Present in Natural Soils Using Geostatistics. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	1.5	11
143	Utilization of Silica-Based Admixture to Improve the Durability of Lime-Treated Expansive Soil. , 2021, , .		11
144	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

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145	Influence of Lime Dosage on Stabilization Effectiveness of Montmorillonite Dominant Clays. , 2010, , .		10
146	Transportation infrastructure settlement and heave distress: challenges and solutions. Journal of Zhejiang University: Science A, 2012, 13, 850-857.	1.3	10
147	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
148	Effect of Seasonal Changes on a Hybrid Soil-Geofoam Embankment System. International Journal of Geosynthetics and Ground Engineering, 2017, 3, 1.	0.9	10
149	A Simplified Approach to Determine the Response of Unsaturated Soils Using Multistage Triaxial Test. , 2018, , .		10
150	Improving a thermal conductivity model of unsaturated soils based on multivariate distribution analysis. Acta Geotechnica, 2019, 14, 2007-2029.	2.9	10
151	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
152	Development and validation of a method to predict the soil thermal conductivity using thermal piezocone penetration testing (T-CPTU). Canadian Geotechnical Journal, 2022, 59, 510-525.	1.4	10
153	Expert System for Design of Low-Volume Roads over Expansive Soils. Transportation Research Record, 2010, 2154, 81-90.	1.0	9
154	Design of Sustainable High-Volume Pavements Using Controlled Low-Strength Material from Native Soil. Transportation Research Record, 2015, 2509, 10-17.	1.0	9
155	Environmental geotechnics in the US region: a brief overview. Environmental Geotechnics, 2015, 2, 319-325.	1.3	9
156	Consolidation Parameters Interpretation of CPTU Dissipation Data Based on Strain Path Theory for Soft Jiangsu Quaternary Clays. Marine Georesources and Geotechnology, 2015, 33, 310-319.	1.2	9
157	Influence of Mineral Montmorillonite on Soil Suction Modeling Parameters of Natural Expansive Clays. Indian Geotechnical Journal, 2016, 46, 291-298.	0.7	9
158	SPT-CPTU Correlations and Liquefaction Evaluation for the Island and Tunnel Project of the Hong Kong-Zhuhai-Macao Bridge. International Journal of Civil Engineering, 2018, 16, 1423-1434.	0.9	9
159	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
160	Performance of Geocell-Reinforced Recycled Asphalt Pavement (RAP) Bases in Flexible Pavements Built on Expansive Soils. , 2020, , .		9
161	Combined lime and polypropylene fiber stabilization for modification of expansive soils. , 2006, , .		9
162	Digital Imaging Technique to Evaluate Shrinkage Strain Potentials of Fiber Reinforced Expansive Soils. , 2005, , 1.		8

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