

Ning Lu

List of Publications by Year in descending order

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182
papers

8,797
citations

38742

50
h-index

51608

86
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185
all docs

185
docs citations

185
times ranked

5554
citing authors

#	ARTICLE	IF	CITATIONS
1	Suction Stress Characteristic Curve for Unsaturated Soil. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2006, 132, 131-142.	3.0	708
2	A closed-form equation for effective stress in unsaturated soil. <i>Water Resources Research</i> , 2010, 46, .	4.2	559
3	Infinite slope stability under steady unsaturated seepage conditions. <i>Water Resources Research</i> , 2008, 44, .	4.2	318
4	An Automated Method for Extracting Rivers and Lakes from Landsat Imagery. <i>Remote Sensing</i> , 2014, 6, 5067-5089.	4.0	208
5	Critical Review of Thermal Conductivity Models for Unsaturated Soils. <i>Geotechnical and Geological Engineering</i> , 2015, 33, 207-221.	1.7	207
6	Generalized Soil Water Retention Equation for Adsorption and Capillarity. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016, 142, .	3.0	182
7	Hydrological factors affecting rainfall-induced shallow landslides: From the field monitoring to a simplified slope stability analysis. <i>Engineering Geology</i> , 2015, 193, 19-37.	6.3	181
8	Mechanisms for Soil-Water Retention and Hysteresis at High Suction Range. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015, 141, .	3.0	179
9	Landsliding in partially saturated materials. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	175
10	Slope stability analysis under unsaturated conditions: Case studies of rainfall-induced failure of cut slopes. <i>Engineering Geology</i> , 2015, 184, 96-103.	6.3	161
11	Tensile Strength Characteristics of Unsaturated Sands. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2007, 133, 144-154.	3.0	160
12	Spatial upscaling of in-situ soil moisture measurements based on MODIS-derived apparent thermal inertia. <i>Remote Sensing of Environment</i> , 2013, 138, 1-9.	11.0	156
13	Unsaturated slope stability analysis with steady infiltration or evaporation using elasto-plastic finite elements. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2005, 29, 249-267.	3.3	145
14	Tensile Strength of Unsaturated Sand. <i>Journal of Engineering Mechanics - ASCE</i> , 2009, 135, 1410-1419.	2.9	129
15	Hysteresis and Uncertainty in Soil Water-Retention Curve Parameters. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, .	3.0	129
16	Closed-Form Equation for Thermal Conductivity of Unsaturated Soils at Room Temperature. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015, 141, .	3.0	120
17	Toward advanced daily cloud-free snow cover and snow water equivalent products from Terra's Aqua MODIS and Aqua AMSR-E measurements. <i>Journal of Hydrology</i> , 2010, 385, 23-35.	5.4	118
18	Hysteresis of Capillary Stress in Unsaturated Granular Soil. <i>Journal of Engineering Mechanics - ASCE</i> , 2004, 130, 646-655.	2.9	116

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19	Active Earth Pressures for Unsaturated Retaining Structures. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	115
20	Profiles of Steady-State Suction Stress in Unsaturated Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 1063-1076.	3.0	107
21	Is Matric Suction a Stress Variable?. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 899-905.	3.0	107
22	Unified water isotherms for clayey porous materials. Water Resources Research, 2013, 49, 5685-5699.	4.2	103
23	Did the Zipingpu Reservoir trigger the 2008 Wenchuan earthquake?. Geophysical Research Letters, 2009, 36, .	4.0	99
24	A simple and efficient algorithm to estimate daily global solar radiation from geostationary satellite data. Energy, 2011, 36, 3179-3188.	8.8	92
25	Effective Stress-Based Limit-Equilibrium Analysis for Homogeneous Unsaturated Slopes. International Journal of Geomechanics, 2016, 16, .	2.7	92
26	A deep learning algorithm to estimate hourly global solar radiation from geostationary satellite data. Renewable and Sustainable Energy Reviews, 2019, 114, 109327.	16.4	91
27	Pore-scale analysis of bulk volume change from crystalline interlayer swelling in Na ⁺ - and Ca ²⁺ -smectite. Clays and Clay Minerals, 2006, 54, 515-528.	1.3	88
28	Can aerosol loading explain the solar dimming over the Tibetan Plateau?. Geophysical Research Letters, 2012, 39, .	4.0	83
29	Analysis of rainfall-induced slope instability using a field of local factor of safety. Water Resources Research, 2012, 48, .	4.2	83
30	What Is the Range of Soil Water Density? Critical Reviews With a Unified Model. Reviews of Geophysics, 2018, 56, 532-562.	23.0	82
31	Retrieving high-resolution surface solar radiation with cloud parameters derived by combining MODIS and MTSAT data. Atmospheric Chemistry and Physics, 2016, 16, 2543-2557.	4.9	78
32	Soil Sorptive Potential: Concept, Theory, and Verification. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	77
33	Constitutive equations for coupled flows in clay materials. Water Resources Research, 2011, 47, .	4.2	75
34	Rate of Capillary Rise in Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 646-650.	3.0	73
35	Water vapor sorption behaviour of smectite-kaolinite mixtures. Clays and Clay Minerals, 2002, 50, 553-561.	1.3	71
36	Power Law for Elastic Moduli of Unsaturated Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, 46-56.	3.0	70

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37	Correlation between Soil-Shrinkage Curve and Water-Retention Characteristics. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, .	3.0	70
38	Landsliding triggered by reservoir operation: a general conceptual model with a case study at Three Gorges Reservoir. <i>Acta Geotechnica</i> , 2014, 9, 771-788.	5.7	65
39	Stability of infinite slopes under transient partially saturated seepage conditions. <i>Water Resources Research</i> , 2012, 48, .	4.2	64
40	Evaluation of Precipitable Water Vapor from Four Satellite Products and Four Reanalysis Datasets against GPS Measurements on the Southern Tibetan Plateau. <i>Journal of Climate</i> , 2017, 30, 5699-5713.	3.2	63
41	A Drying Cake Method for Measuring Suction-Stress Characteristic Curve, Soil's Water-Retention Curve, and Hydraulic Conductivity Function. <i>Geotechnical Testing Journal</i> , 2013, 36, 20120097.	1.0	61
42	Infiltration-induced seasonally reactivated instability of a highway embankment near the Eisenhower Tunnel, Colorado, USA. <i>Engineering Geology</i> , 2013, 162, 22-32.	6.3	60
43	An efficient physically based parameterization to derive surface solar irradiance based on satellite atmospheric products. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4975-4988.	3.3	59
44	Quantification of Grain, Pore, and Fluid Microstructure of Unsaturated Sand from X-Ray Computed Tomography Images. <i>Geotechnical Testing Journal</i> , 2012, 35, 20120075.	1.0	58
45	Impacts of wind stilling on solar radiation variability in China. <i>Scientific Reports</i> , 2015, 5, 15135.	3.3	56
46	Multi-Scale Residual Convolutional Neural Network for Haze Removal of Remote Sensing Images. <i>Remote Sensing</i> , 2018, 10, 945.	4.0	56
47	Unified Model for Small-Strain Shear Modulus of Variably Saturated Soil. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016, 142, .	3.0	55
48	Hysteresis of Unsaturated Hydromechanical Properties of a Silty Soil. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 507-510.	3.0	54
49	Role of suction stress on service state behavior of geosynthetic-reinforced soil structures. <i>Transportation Geotechnics</i> , 2016, 8, 45-56.	4.5	54
50	Relationship between the Soil-Water Characteristic Curve and the Suction Stress Characteristic Curve: Experimental Evidence from Residual Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 47-57.	3.0	53
51	Spatiotemporal distribution and short-term trends of particulate matter concentration over China, 2006-2010. <i>Environmental Science and Pollution Research</i> , 2014, 21, 9665-9675.	5.3	52
52	An algorithm for estimating downward shortwave radiation from GMS 5 visible imagery and its evaluation over China. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	48
53	iCRESTRIGRS: a coupled modeling system for cascading flood-landslide disaster forecasting. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 5035-5048.	4.9	47
54	Groundwater in the Tibet Plateau, western China. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	46

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55	Intrinsic Relationship between Specific Surface Area and Soil Water Retention. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	46
56	Dependencies of Shear Wave Velocity and Shear Modulus of Soil on Saturation. Journal of Engineering Mechanics - ASCE, 2016, 142, .	2.9	45
57	Unsaturated Soil Mechanics: Fundamental Challenges, Breakthroughs, and Opportunities. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	45
58	Numerical study of the electrical double-layer repulsion between non-parallel clay particles of finite length. International Journal for Numerical and Analytical Methods in Geomechanics, 1991, 15, 683-703.	3.3	44
59	Stressed swelling clay. Geophysics, 2009, 74, A47-A52.	2.6	44
60	Heat Transfer in Unsaturated Soil with Application to Borehole Thermal Energy Storage. Vadose Zone Journal, 2016, 15, 1-17.	2.2	42
61	Unified Effective Stress Equation for Soil. Journal of Engineering Mechanics - ASCE, 2020, 146, .	2.9	41
62	Effect of Hydraulic Hysteresis on Stability of Infinite Slopes under Steady Infiltration. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	40
63	The Accuracy of Hydrometer Analysis for Fine-Grained Clay Particles. Geotechnical Testing Journal, 2000, 23, 487-495.	1.0	40
64	Role of Nonequilibrium Water Vapor Diffusion in Thermal Energy Storage Systems in the Vadose Zone. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	3.0	38
65	Soil Sorptive Potential: Its Determination and Predicting Soil Water Density. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	38
66	A Power Law for Elastic Moduli of Unsaturated Soil. Springer Series in Geomechanics and Geoengineering, 2013, , 271-275.	0.1	37
67	Evaluation of Reanalysis Surface Incident Solar Radiation Data in China. Scientific Reports, 2020, 10, 3494.	3.3	37
68	Intrinsic Relation between Soil Water Retention and Cation Exchange Capacity. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	36
69	Unitary Definition of Matric Suction. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	36
70	Transport properties of the Callovo-Oxfordian clay rock under partially saturated conditions. Water Resources Research, 2010, 46, .	4.2	35
71	Measurement of Suction-Stress Characteristic Curve Under Drying and Wetting Conditions. Geotechnical Testing Journal, 2017, 40, 20160058.	1.0	35
72	Uniqueness of the Suction Stress Characteristic Curve under Different Confining Stress Conditions. Vadose Zone Journal, 2014, 13, 1-10.	2.2	33

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73	Detecting Long-Term Trends in Precipitable Water over the Tibetan Plateau by Synthesis of Station and MODIS Observations*. Journal of Climate, 2015, 28, 1707-1722.	3.2	32
74	A High-Fidelity Haze Removal Method Based on HOT for Visible Remote Sensing Images. Remote Sensing, 2016, 8, 844.	4.0	32
75	Capillary Force and Water Retention between Two Uneven-Sized Particles. Journal of Engineering Mechanics - ASCE, 2008, 134, 374-384.	2.9	31
76	Interrelations among the Soil-Water Retention, Hydraulic Conductivity, and Suction-Stress Characteristic Curves. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	31
77	Hierarchical Bayesian space-time estimation of monthly maximum and minimum surface air temperature. Remote Sensing of Environment, 2018, 211, 48-58.	11.0	31
78	Trends and variability in atmospheric precipitable water over the Tibetan Plateau for 2000-2010. International Journal of Climatology, 2015, 35, 1394-1404.	3.5	30
79	A discrete element model for kaolinite aggregate formation during sedimentation. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 965-980.	3.3	29
80	On the use of GPS measurements for Moderate Resolution Imaging Spectrometer precipitable water vapor evaluation over southern Tibet. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	29
81	Correlation between Small-Strain Shear Modulus and Suction Stress in Capillary Regime under Zero Total Stress Conditions. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	3.0	28
82	Determination of Cation Exchange Capacity from Soil Water Retention Curve. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	28
83	Generalized Equation for Soil Shrinkage Curve. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	3.0	28
84	Direction of unsaturated flow in a homogeneous and isotropic hillslope. Water Resources Research, 2011, 47, .	4.2	26
85	Evaluation of a cloud-gap-filled MODIS daily snow cover product over the Pacific Northwest USA. Journal of Hydrology, 2011, 404, 157-165.	5.4	26
86	Intrinsic Relationship between Matric Potential and Cation Hydration. Vadose Zone Journal, 2016, 15, 1-12.	2.2	26
87	Automated Humidity System for Measuring Total Suction Characteristics of Clay. Geotechnical Testing Journal, 2003, 26, 179-190.	1.0	26
88	Measured and Estimated Suction Indices for Swelling Potential Classification. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2003, 129, 665-668.	3.0	25
89	Scaling Shear Modulus from Small to Finite Strain for Unsaturated Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	3.0	25
90	Role of Microscopic Physicochemical Forces in Large Volumetric Strains for Clay Sediments. Journal of Engineering Mechanics - ASCE, 2001, 127, 710-719.	2.9	24

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91	Separating External and Internal Surface Areas of Soil Particles. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	24
92	A Monte Carlo paradigm for capillarity in porous media. Geophysical Research Letters, 2010, 37, .	4.0	23
93	Experimental Validation of Suction Stress Characteristic Curve from Nonfailure Triaxial KO Consolidation Tests. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1490-1503.	3.0	23
94	Variability in soil-water retention properties and implications for physics-based simulation of landslide early warning criteria. Landslides, 2018, 15, 1265-1277.	5.4	23
95	Soil Sorptive Potentialâ€‘Based Paradigm for Soil Freezing Curves. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	23
96	Toward a Broadband Parameterization Scheme for Estimating Surface Solar Irradiance: Development and Preliminary Results on MODIS Products. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,180.	3.3	22
97	Drying-Induced Consolidation in Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	22
98	Hourly 5-km surface total and diffuse solar radiation in China, 2007â€‘2018. Scientific Data, 2020, 7, 311.	5.3	22
99	Tree counting with high spatial-resolution satellite imagery based on deep neural networks. Ecological Indicators, 2021, 125, 107591.	6.3	21
100	Clays Are Not Created Equal: How Clay Mineral Type Affects Soil Parameterization. Geophysical Research Letters, 2021, 48, e2021GL095311.	4.0	21
101	Hysteresis of the selfâ€‘potential response associated with harmonic pumping tests. Geophysical Research Letters, 2008, 35, .	4.0	20
102	Particulate Matter Pollution and Population Exposure Assessment over Mainland China in 2010 with Remote Sensing. International Journal of Environmental Research and Public Health, 2014, 11, 5241-5250.	2.6	20
103	Operational Response of a Soil-Borehole Thermal Energy Storage System. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	3.0	19
104	Single image dehazing for visible remote sensing based on tagged haze thickness maps. Remote Sensing Letters, 2018, 9, 627-635.	1.4	19
105	Multi-Year Comparison of Carbon Dioxide from Satellite Data with Ground-Based FTS Measurements (2003â€‘2011). Remote Sensing, 2013, 5, 3431-3456.	4.0	18
106	Geomorphological control on variably saturated hillslope hydrology and slope instability. Water Resources Research, 2016, 52, 4590-4607.	4.2	18
107	Measuring Soil-Water Density by Helium Pycnometer. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	3.0	18
108	Automated Measurement of Total Suction Characteristics in High-Suction Range: Application to Assessment of Swelling Potential. Transportation Research Record, 2001, 1755, 119-128.	1.9	17

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109	Spatial scale effects on retrieval accuracy of surface solar radiation using satellite data. <i>Applied Energy</i> , 2020, 270, 115178.	10.1	17
110	General Scanning Hysteresis Model for Soil's Water Retention Curves. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	3.0	16
111	Augmented Brunauer's Emmett's Teller Equation for Water Adsorption on Soils. <i>Vadose Zone Journal</i> , 2019, 18, 1-12.	2.2	16
112	Quantification of Exchangeable Cations Using Soil Water Retention Curve. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, .	3.0	15
113	Tropical Storm-Induced Landslide Potential Using Combined Field Monitoring and Numerical Modeling. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	3.0	15
114	Cavitation of Water in Soil. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	3.0	15
115	Experimental Test of Theory for the Stability of Partially Saturated Vertical Cut Slopes. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, .	3.0	14
116	Measurement of Thermal Conductivity Function of Unsaturated Soil Using a Transient Water Release and Imbibition Method. <i>Geotechnical Testing Journal</i> , 2014, 37, 20140046.	1.0	14
117	Hydrological network and classification of lakes on the Third Pole. <i>Journal of Hydrology</i> , 2018, 560, 582-594.	5.4	13
118	Fundamental Challenges in Unsaturated Soil Mechanics. <i>Springer Series in Geomechanics and Geoengineering</i> , 2019, , 209-236.	0.1	13
119	Soil water potential: A historical perspective and recent breakthroughs. <i>Vadose Zone Journal</i> , 2022, 21, .	2.2	13
120	Bayesian analysis of the impact of rainfall data product on simulated slope failure for North Carolina locations. <i>Computational Geosciences</i> , 2019, 23, 495-522.	2.4	12
121	Field and Laboratory Hydraulic Characterization of Landslide-Prone Soils in the Oregon Coast Range and Implications for Hydrologic Simulation. <i>Vadose Zone Journal</i> , 2018, 17, 1-15.	2.2	11
122	Generalized Elastic Modulus Equation for Unsaturated Soil. , 2018, , .		11
123	Effects of Infiltration Characteristics on Spatial-Temporal Evolution of Stability of an Interstate Highway Embankment. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, 05019008.	3.0	11
124	Linking Soil Water Adsorption to Geotechnical Engineering Properties. <i>Springer Series in Geomechanics and Geoengineering</i> , 2019, , 93-139.	0.1	11
125	Comprehensive assessment of Fengyun-3 satellites derived soil moisture with in-situ measurements across the globe. <i>Journal of Hydrology</i> , 2021, 594, 125949.	5.4	11
126	Comparison of Soil Thickness in a Zero-Order Basin in the Oregon Coast Range Using a Soil Probe and Electrical Resistivity Tomography. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 1470-1482.	3.0	10

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127	Research Challenges Involving Coupled Flows in Geotechnical Engineering. Springer Series in Geomechanics and Geoengineering, 2019, , 237-274.	0.1	10
128	A General Parameterization Scheme for the Estimation of Incident Photosynthetically Active Radiation Under Cloudy Skies. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6255-6265.	6.3	10
129	Dynamics of DNAPL Penetration into Fractured Porous Media. Ground Water, 1999, 37, 140-147.	1.3	9
130	Hydrological Behavior of an Infiltration-Induced Landslide in Colorado, USA. Geofluids, 2019, 2019, 1-14.	0.7	9
131	Filling Gaps of Monthly Terra/MODIS Daytime Land Surface Temperature Using Discrete Cosine Transform Method. Remote Sensing, 2020, 12, 361.	4.0	9
132	Validating the Generality of a Closed-Form Equation for Soil Water Isotherm. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	9
133	Appropriate Material Properties for Advective-Diffusive Solute Flux in Membrane Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 1341-1346.	3.0	8
134	Correlation between Atterberg Limits and Soil Adsorptive Water. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	8
135	Measuring the Soil Water Retention Curve Under Positive and Negative Matric Suction Regimes. Geotechnical Testing Journal, 2015, 38, 442-451.	1.0	8
136	Revisiting Axis Translation for Unsaturated Soil Testing. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	7
137	Feasibility of machine learning methods for predicting hospital emergency room visits for respiratory diseases. Environmental Science and Pollution Research, 2021, 28, 29701-29709.	5.3	7
138	Assessments of Water Sorption Methods to Determine Soil's Specific Surface Area. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	7
139	Unified Elastic Modulus Characteristic Curve Equation for Variably Saturated Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	7
140	An analytical assessment on the impact of covers on the onset of air convection in mine wastes. International Journal for Numerical and Analytical Methods in Geomechanics, 2001, 25, 347-364.	3.3	6
141	Origin of Cohesion and Its Dependence on Saturation for Granular Media. , 2013, , .		6
142	Evaluation of techniques for mitigating snowmelt infiltration-induced landsliding in a highway embankment. Engineering Geology, 2021, 291, 106240.	6.3	6
143	Is the Conventional Pore Water Pressure Concept Adequate for Fine-Grained Soils in Geotechnical and Geoenvironmental Engineering?. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	6
144	Integrated Lecture and Laboratory Modules for Contaminant Transport Studies in Undergraduate Geotechnical Engineering. Journal of Professional Issues in Engineering Education and Practice, 2004, 130, 19-25.	0.9	5

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145	Principle of Effective Stress in Variably Saturated Porous Media. <i>Vadose Zone Journal</i> , 2014, 13, 1-4.	2.2	5
146	Hysteresis of liquid adsorption in porous media by coarse-grained Monte Carlo with direct experimental validation. <i>Journal of Chemical Physics</i> , 2016, 144, 174709.	3.0	5
147	Mapping temperature using a Bayesian statistical method and a high accuracy surface modelling method in the Beijing-Tianjin-Hebei region, China. <i>Meteorological Applications</i> , 2017, 24, 571-579.	2.1	5
148	Identifying Soil Adsorptive Water by Soil Water Density. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	3.0	5
149	Satellite observed cooling effects from re-vegetation on the Mongolian Plateau. <i>Science of the Total Environment</i> , 2021, 781, 146707.	8.0	5
150	Liquid Cavitation during Nitrogen Sorption on Soils. <i>Journal of Engineering Mechanics - ASCE</i> , 2021, 147, .	2.9	5
151	Water Adsorption-Induced Pore-Water Pressure in Soil. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022, 148, .	3.0	5
152	Percolation Induced Heat Transfer in Deep Unsaturated Zones. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2003, 129, 1040-1053.	3.0	4
153	Interpretation of Borehole Shear Strength Tests of Unsaturated Loess by Suction Stress Characteristic Curves. , 2012, , .		4
154	Closing the Loop of the Soil Water Retention Curve. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015, 141, .	3.0	4
155	Scale effects of topographic ruggedness on precipitation over Qinghai-Tibet Plateau. <i>Atmospheric Science Letters</i> , 2019, 20, e904.	1.9	4
156	Small-Strain Shear Modulus Model for Saturated and Unsaturated Soils. , 2016, , .		3
157	Vapor Condensation Technique for Measuring Stress-Strain Relation of Unsaturated Soil. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, 02817002.	3.0	3
158	Closure to "Matric Suction a Stress Variable" by Ning Lu. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010, 136, 407-408.	3.0	2
159	Perennial Infiltration-Induced Instability of Interstate 70 Embankment West of the Eisenhower/Johnson Memorial Tunnels. , 2012, , .		2
160	Evolution of Strain Localization in Variable-Width Three-Dimensional Unsaturated Laboratory-Scale Cut Slopes. <i>Journal of Engineering Mechanics - ASCE</i> , 2017, 143, .	2.9	2
161	Erratum for "Correlation between Soil-Shrinkage Curve and Water-Retention Characteristics" by Ning Lu and Yi Dong. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	3.0	2
162	Biases and Abrupt Shifts of Monthly Precipitable Water from Terra MODIS. <i>Remote Sensing</i> , 2019, 11, 1315.	4.0	2

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163	Validating a Unified Effective Stress Equation for Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	2
164	Determination of Soil Sorptive Potential by Soil Water Isotherm. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	2
165	Geotechnical Properties of Overexcavated Expansive Shale at a Steeply Dipping Bedrock Site. , 2004, , 1095.		1
166	Dependency of a Small-Strain Shear Modulus on Suction Stress. , 2016, , .		1
167	Evaluation of Coupled Thermal and Hydraulic Relationships Used in Simulation of Thermally-Induced Water Flow in Unsaturated Soils. , 2018, , .		1
168	Determination of fluid permeability and specific storage in tight rocks from 1 μ m diffusion induced by constant rate fluid injection.. , 2009, , .		1
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