

# 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  
g-index

185  
all docs

185  
docs citations

185  
times ranked

5554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unified Elastic Modulus Characteristic Curve Equation for Variably Saturated Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	7
2	Validating a Unified Effective Stress Equation for Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	2
3	Determination of Soil Sorptive Potential by Soil Water Isotherm. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	2
4	Water Adsorption-Induced Pore-Water Pressure in Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	5
5	Soil water potential: A historical perspective and recent breakthroughs. Vadose Zone Journal, 2022, 21, .	2.2	13
6	Correlation between Atterberg Limits and Soil Adsorptive Water. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	8
7	Closure to "Unified Effective Stress Equation for Soil" by Chao Zhang and Ning Lu. Journal of Engineering Mechanics - ASCE, 2021, 147, 07020004.	2.9	0
8	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
9	Comprehensive assessment of Fengyun-3 satellites derived soil moisture with in-situ measurements across the globe. Journal of Hydrology, 2021, 594, 125949.	5.4	11
10	Tree counting with high spatial-resolution satellite imagery based on deep neural networks. Ecological Indicators, 2021, 125, 107591.	6.3	21
11	Cavitation of Water in Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	15
12	Assessments of Water Sorption Methods to Determine Soil's Specific Surface Area. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	7
13	Satellite observed cooling effects from re-vegetation on the Mongolian Plateau. Science of the Total Environment, 2021, 781, 146707.	8.0	5
14	Soil Sorptive Potential-Based Paradigm for Soil Freezing Curves. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	23
15	Clays Are Not Created Equal: How Clay Mineral Type Affects Soil Parameterization. Geophysical Research Letters, 2021, 48, e2021GL095311.	4.0	21
16	Evaluation of techniques for mitigating snowmelt infiltration-induced landsliding in a highway embankment. Engineering Geology, 2021, 291, 106240.	6.3	6
17	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
18	Liquid Cavitation during Nitrogen Sorption on Soils. Journal of Engineering Mechanics - ASCE, 2021, 147, .	2.9	5

#	ARTICLE	IF	CITATIONS
19	Closure to "Correlation between Atterberg Limits and Soil Adsorptive Water" by Baochun Zhou and Ning Lu. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, 07021031.	3.0	0
20	Validating the Generality of a Closed-Form Equation for Soil Water Isotherm. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	9
21	Soil Sorptive Potential: Its Determination and Predicting Soil Water Density. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	38
22	Unified Effective Stress Equation for Soil. Journal of Engineering Mechanics - ASCE, 2020, 146, .	2.9	41
23	Separating External and Internal Surface Areas of Soil Particles. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	24
24	Drying-Induced Consolidation in Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	22
25	Hourly 5-km surface total and diffuse solar radiation in China, 2007"2018. Scientific Data, 2020, 7, 311.	5.3	22
26	Identifying Soil Adsorptive Water by Soil Water Density. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	5
27	Spatial scale effects on retrieval accuracy of surface solar radiation using satellite data. Applied Energy, 2020, 270, 115178.	10.1	17
28	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
29	Unsaturated Soil Mechanics: Fundamental Challenges, Breakthroughs, and Opportunities. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	45
30	Evaluation of Reanalysis Surface Incident Solar Radiation Data in China. Scientific Reports, 2020, 10, 3494.	3.3	37
31	Filling Gaps of Monthly Terra/MODIS Daytime Land Surface Temperature Using Discrete Cosine Transform Method. Remote Sensing, 2020, 12, 361.	4.0	9
32	Closure to "Generalized Equation for Soil Shrinkage Curve" by Pan Chen and Ning Lu. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, 07019012.	3.0	0
33	Effects of Infiltration Characteristics on Spatial-Temporal Evolution of Stability of an Interstate Highway Embankment. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, 05019008.	3.0	11
34	Erratum for "Correlation between Soil-Shrinkage Curve and Water-Retention Characteristics" by Ning Lu and Yi Dong. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	2
35	Hydrological Behavior of an Infiltration-Induced Landslide in Colorado, USA. Geofluids, 2019, 2019, 1-14.	0.7	9
36	General Scanning Hysteresis Model for Soil"Water Retention Curves. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	16

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37	A deep learning algorithm to estimate hourly global solar radiation from geostationary satellite data. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 114, 109327.	16.4	91
38	Biases and Abrupt Shifts of Monthly Precipitable Water from Terra MODIS. <i>Remote Sensing</i> , 2019, 11, 1315.	4.0	2
39	Soil Sorptive Potential: Concept, Theory, and Verification. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	3.0	77
40	Fundamental Challenges in Unsaturated Soil Mechanics. <i>Springer Series in Geomechanics and Geoengineering</i> , 2019, , 209-236.	0.1	13
41	Research Challenges Involving Coupled Flows in Geotechnical Engineering. <i>Springer Series in Geomechanics and Geoengineering</i> , 2019, , 237-274.	0.1	10
42	Linking Soil Water Adsorption to Geotechnical Engineering Properties. <i>Springer Series in Geomechanics and Geoengineering</i> , 2019, , 93-139.	0.1	11
43	Revisiting Axis Translation for Unsaturated Soil Testing. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	3.0	7
44	Scale effects of topographic ruggedness on precipitation over Qinghai-Tibet Plateau. <i>Atmospheric Science Letters</i> , 2019, 20, e904.	1.9	4
45	Augmented Brunauer-Emmett-Teller Equation for Water Adsorption on Soils. <i>Vadose Zone Journal</i> , 2019, 18, 1-12.	2.2	16
46	Unitary Definition of Matric Suction. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	3.0	36
47	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
48	Hierarchical Bayesian space-time estimation of monthly maximum and minimum surface air temperature. <i>Remote Sensing of Environment</i> , 2018, 211, 48-58.	11.0	31
49	Variability in soil-water retention properties and implications for physics-based simulation of landslide early warning criteria. <i>Landslides</i> , 2018, 15, 1265-1277.	5.4	23
50	Role of Nonequilibrium Water Vapor Diffusion in Thermal Energy Storage Systems in the Vadose Zone. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	3.0	38
51	Hydrological network and classification of lakes on the Third Pole. <i>Journal of Hydrology</i> , 2018, 560, 582-594.	5.4	13
52	Scaling Shear Modulus from Small to Finite Strain for Unsaturated Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	3.0	25
53	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
54	Measurement of Suction Stress in Adsorption Regime. , 2018, , .		0

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55	Toward a Broadband Parameterization Scheme for Estimating Surface Solar Irradiance: Development and Preliminary Results on MODIS Products. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,180.	3.3	22
56	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
57	Generalized Equation for Soil Shrinkage Curve. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	3.0	28
58	Single image dehazing for visible remote sensing based on tagged haze thickness maps. <i>Remote Sensing Letters</i> , 2018, 9, 627-635.	1.4	19
59	Evaluation of Coupled Thermal and Hydraulic Relationships Used in Simulation of Thermally-Induced Water Flow in Unsaturated Soils. , 2018, , .		1
60	Generalized Elastic Modulus Equation for Unsaturated Soil. , 2018, , .		11
61	Multi-Scale Residual Convolutional Neural Network for Haze Removal of Remote Sensing Images. <i>Remote Sensing</i> , 2018, 10, 945.	4.0	56
62	What Is the Range of Soil Water Density? Critical Reviews With a Unified Model. <i>Reviews of Geophysics</i> , 2018, 56, 532-562.	23.0	82
63	Mechanics of Unsaturated Porous Media. <i>Journal of Engineering Mechanics - ASCE</i> , 2018, 144, 02018001.	2.9	0
64	Measuring Soil-Water Density by Helium Pycnometer. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	3.0	18
65	Determination of Cation Exchange Capacity from Soil Water Retention Curve. <i>Journal of Engineering Mechanics - ASCE</i> , 2017, 143, .	2.9	28
66	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
67	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
68	Effect of Hydraulic Hysteresis on Stability of Infinite Slopes under Steady Infiltration. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, .	3.0	40
69	Quantification of Exchangeable Cations Using Soil Water Retention Curve. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, .	3.0	15
70	Correlation between Soil-Shrinkage Curve and Water-Retention Characteristics. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, .	3.0	70
71	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
72	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

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73	Intrinsic Relation between Soil Water Retention and Cation Exchange Capacity. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	36
74	Intrinsic Relationship between Specific Surface Area and Soil Water Retention. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	46
75	Measurement of Suction-Stress Characteristic Curve Under Drying and Wetting Conditions. Geotechnical Testing Journal, 2017, 40, 20160058.	1.0	35
76	NSF Workshop on Geotechnical Fundamentals: How Researchers Can Contribute to Today's Real-World Challenges. Geo-strata, 2017, 21, 62-63.	0.1	0
77	Intrinsic Relationship between Matric Potential and Cation Hydration. Vadose Zone Journal, 2016, 15, 1-12.	2.2	26
78	iCRESTRIGRS: a coupled modeling system for cascading flood-landslide disaster forecasting. Hydrology and Earth System Sciences, 2016, 20, 5035-5048.	4.9	47
79	A High-Fidelity Haze Removal Method Based on HOT for Visible Remote Sensing Images. Remote Sensing, 2016, 8, 844.	4.0	32
80	Geomorphological control on variably saturated hillslope hydrology and slope instability. Water Resources Research, 2016, 52, 4590-4607.	4.2	18
81	A Case Study of the Impact of Tropical Storms on the Stability of Natural Hillslopes in Macon County, North Carolina. , 2016, , .		0
82	Hysteresis of liquid adsorption in porous media by coarse-grained Monte Carlo with direct experimental validation. Journal of Chemical Physics, 2016, 144, 174709.	3.0	5
83	Unified Model for Small-Strain Shear Modulus of Variably Saturated Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	3.0	55
84	Small-Strain Shear Modulus Model for Saturated and Unsaturated Soils. , 2016, , .		3
85	Impact of a Thermo-Hydraulic Insulation Layer on the Long-Term Response of Soil-Borehole Thermal Energy Storage Systems. , 2016, , .		0
86	Heat Transfer in Unsaturated Soil with Application to Borehole Thermal Energy Storage. Vadose Zone Journal, 2016, 15, 1-17.	2.2	42
87	Dependency of a Small-Strain Shear Modulus on Suction Stress. , 2016, , .		1
88	Dependencies of Shear Wave Velocity and Shear Modulus of Soil on Saturation. Journal of Engineering Mechanics - ASCE, 2016, 142, .	2.9	45
89	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
90	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

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91	Generalized Soil Water Retention Equation for Adsorption and Capillarity. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	3.0	182
92	Effective Stress-Based Limit-Equilibrium Analysis for Homogeneous Unsaturated Slopes. International Journal of Geomechanics, 2016, 16, .	2.7	92
93	Operational Response of a Soil-Borehole Thermal Energy Storage System. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	3.0	19
94	Role of suction stress on service state behavior of geosynthetic-reinforced soil structures. Transportation Geotechnics, 2016, 8, 45-56.	4.5	54
95	An efficient physically based parameterization to derive surface solar irradiance based on satellite atmospheric products. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4975-4988.	3.3	59
96	Impacts of wind stilling on solar radiation variability in China. Scientific Reports, 2015, 5, 15135.	3.3	56
97	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
98	Critical Review of Thermal Conductivity Models for Unsaturated Soils. Geotechnical and Geological Engineering, 2015, 33, 207-221.	1.7	207
99	Closed-Form Equation for Thermal Conductivity of Unsaturated Soils at Room Temperature. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	120
100	Hydrological factors affecting rainfall-induced shallow landslides: From the field monitoring to a simplified slope stability analysis. Engineering Geology, 2015, 193, 19-37.	6.3	181
101	Mechanisms for Soil-Water Retention and Hysteresis at High Suction Range. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	179
102	Active Earth Pressures for Unsaturated Retaining Structures. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	115
103	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
104	Slope stability analysis under unsaturated conditions: Case studies of rainfall-induced failure of cut slopes. Engineering Geology, 2015, 184, 96-103.	6.3	161
105	Closing the Loop of the Soil Water Retention Curve. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	4
106	Measuring the Soil Water Retention Curve Under Positive and Negative Matric Suction Regimes. Geotechnical Testing Journal, 2015, 38, 442-451.	1.0	8
107	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
108	Hysteresis and Uncertainty in Soil Water-Retention Curve Parameters. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	129

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109	Interrelations among the Soil-Water Retention, Hydraulic Conductivity, and Suction-Stress Characteristic Curves. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, .	3.0	31
110	Power Law for Elastic Moduli of Unsaturated Soil. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, 46-56.	3.0	70
111	Spatiotemporal distribution and short-term trends of particulate matter concentration over China, 2006â€“2010. <i>Environmental Science and Pollution Research</i> , 2014, 21, 9665-9675.	5.3	52
112	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
113	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
114	An Automated Method for Extracting Rivers and Lakes from Landsat Imagery. <i>Remote Sensing</i> , 2014, 6, 5067-5089.	4.0	208
115	Uniqueness of the Suction Stress Characteristic Curve under Different Confining Stress Conditions. <i>Vadose Zone Journal</i> , 2014, 13, 1-10.	2.2	33
116	Principle of Effective Stress in Variably Saturated Porous Media. <i>Vadose Zone Journal</i> , 2014, 13, 1-4.	2.2	5
117	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
118	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
119	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
120	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
121	Experimental Validation of Suction Stress Characteristic Curve from Nonfailure Triaxial KO Consolidation Tests. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 1490-1503.	3.0	23
122	A Power Law for Elastic Moduli of Unsaturated Soil. <i>Springer Series in Geomechanics and Geoengineering</i> , 2013, , 271-275.	0.1	37
123	Unified water isotherms for clayey porous materials. <i>Water Resources Research</i> , 2013, 49, 5685-5699.	4.2	103
124	Origin of Cohesion and Its Dependence on Saturation for Granular Media. , 2013, , .		6
125	Multi-Year Comparison of Carbon Dioxide from Satellite Data with Ground-Based FTS Measurements (2003â€“2011). <i>Remote Sensing</i> , 2013, 5, 3431-3456.	4.0	18
126	A Drying Cake Method for Measuring Suction-Stress Characteristic Curve, Soilâ€™Water-Retention Curve, and Hydraulic Conductivity Function. <i>Geotechnical Testing Journal</i> , 2013, 36, 20120097.	1.0	61



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127	Interpretation of Borehole Shear Strength Tests of Unsaturated Loess by Suction Stress Characteristic Curves. , 2012, , .		4
128	Relationship between the Soil-Water Characteristic Curve and the Suction Stress Characteristic Curve: Experimental Evidence from Residual Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 47-57.	3.0	53
129	Can aerosol loading explain the solar dimming over the Tibetan Plateau?. Geophysical Research Letters, 2012, 39, .	4.0	83
130	Stability of infinite slopes under transient partially saturated seepage conditions. Water Resources Research, 2012, 48, .	4.2	64
131	Analysis of rainfallâ€induced slope instability using a field of local factor of safety. Water Resources Research, 2012, 48, .	4.2	83
132	Comparison of Soil Thickness in a Zero-Order Basin in the Oregon Coast Range Using a Soil Probe and Electrical Resistivity Tomography. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 1470-1482.	3.0	10
133	Perennial Infiltration-Induced Instability of Interstate 70 Embankment West of the Eisenhower/Johnson Memorial Tunnels. , 2012, , .		2
134	Quantification of Grain, Pore, and Fluid Microstructure of Unsaturated Sand from X-Ray Computed Tomography Images. Geotechnical Testing Journal, 2012, 35, 20120075.	1.0	58
135	Direction of unsaturated flow in a homogeneous and isotropic hillslope. Water Resources Research, 2011, 47, .	4.2	26
136	Constitutive equations for coupled flows in clay materials. Water Resources Research, 2011, 47, .	4.2	75
137	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
138	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
139	A simple and efficient algorithm to estimate daily global solar radiation from geostationary satellite data. Energy, 2011, 36, 3179-3188.	8.8	92
140	Transport properties of the Callovoâ€Oxfordian clay rock under partially saturated conditions. Water Resources Research, 2010, 46, .	4.2	35
141	Toward advanced daily cloud-free snow cover and snow water equivalent products from Terraâ€Aqua MODIS and Aqua AMSR-E measurements. Journal of Hydrology, 2010, 385, 23-35.	5.4	118
142	Closure to â€œs Matric Suction a Stress Variable?â€by Ning Lu. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 407-408.	3.0	2
143	Shortwave radiative forcing of clouds and aerosols over China from 1998 to 2002. , 2010, , .		0
144	An algorithm for estimating downward shortwave radiation from GMS 5 visible imagery and its evaluation over China. Journal of Geophysical Research, 2010, 115, .	3.3	48

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145	A closed-form equation for effective stress in unsaturated soil. <i>Water Resources Research</i> , 2010, 46, .	4.2	559
146	A Monte Carlo paradigm for capillarity in porous media. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	23
147	Stressed swelling clay. <i>Geophysics</i> , 2009, 74, A47-A52.	2.6	44
148	Capillary condensation in wet granular media via meso-scale Monte Carlo simulation. , 2009, , .		0
149	Tensile Strength of Unsaturated Sand. <i>Journal of Engineering Mechanics - ASCE</i> , 2009, 135, 1410-1419.	2.9	129
150	Did the Zipingpu Reservoir trigger the 2008 Wenchuan earthquake?. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	99
151	Landsliding in partially saturated materials. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	175
152	Determination of fluid permeability and specific storage in tight rocks from $1\text{D}$ diffusion induced by constant rate fluid injection.. , 2009, , .		1
153	A discrete element model for kaolinite aggregate formation during sedimentation. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2008, 32, 965-980.	3.3	29
154	Capillary Force and Water Retention between Two Uneven-Sized Particles. <i>Journal of Engineering Mechanics - ASCE</i> , 2008, 134, 374-384.	2.9	31
155	Groundwater in the Tibet Plateau, western China. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	46
156	Hysteresis of the self-potential response associated with harmonic pumping tests. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	20
157	Infinite slope stability under steady unsaturated seepage conditions. <i>Water Resources Research</i> , 2008, 44, .	4.2	318
158	Is Matric Suction a Stress Variable?. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008, 134, 899-905.	3.0	107
159	Tensile Strength Characteristics of Unsaturated Sands. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2007, 133, 144-154.	3.0	160
160	Suction Stress Characteristic Curve for Unsaturated Soil. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2006, 132, 131-142.	3.0	708
161	Pore-scale analysis of bulk volume change from crystalline interlayer swelling in $\text{Na}^+$ and $\text{Ca}^{2+}$ -smectite. <i>Clays and Clay Minerals</i> , 2006, 54, 515-528.	1.3	88
162	Measurement of Capillary Force Between Uneven-Sized Spheres by Micro-Mechanical Manipulation. , 2006, , 2210.		0

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163	A grid modeling method for spatializing census data in Hubei province, China. , 2006, 6421, 530.		0
164	Closure to "Rate of Capillary Rise in Soil" by N. Lu and W. J. Likos. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 280-281.	3.0	0
165	Hyperspectral data recognition and mapping of soil salinization in arid environment. , 2005, , .		0
166	Unsaturated slope stability analysis with steady infiltration or evaporation using elasto-plastic finite elements. International Journal for Numerical and Analytical Methods in Geomechanics, 2005, 29, 249-267.	3.3	145
167	Hysteresis of Capillary Stress in Unsaturated Granular Soil. Journal of Engineering Mechanics - ASCE, 2004, 130, 646-655.	2.9	116
168	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
169	Profiles of Steady-State Suction Stress in Unsaturated Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 1063-1076.	3.0	107
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