Guo-yu Li

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82 papers	1,249 citations	19 h-index	33 g-index
89 ext. papers	1,726 ext. citations	3.5 avg, IF	4.96 L-index

#	Paper	IF	Citations
82	Effect of freeze-thaw cycles in mechanical behaviors of frozen loess. *Cold Regions Science and Technology*, **2018**, 146, 9-18	3.8	153
81	Hyperspectral Images Classification With Gabor Filtering and Convolutional Neural Network. *IEEE Geoscience and Remote Sensing Letters*, **2017**, 14, 2355-2359	4.1	124
80	Multiaxial creep of frozen loess. *Mechanics of Materials*, **2016**, 95, 172-191	3.3	118
79	Experimental investigation of the path-dependent strength and deformation behaviours of frozen loess. *Engineering Geology*, **2020**, 265, 105449	6	58
78	Variations in strength and deformation of compacted loess exposed to wetting-drying and freeze-thaw cycles. *Cold Regions Science and Technology*, **2018**, 151, 159-167	3.8	55
77	Effects of freeze-thaw cycle on engineering properties of loess used as road fills in seasonally frozen ground regions, North China. *Journal of Mountain Science*, **2017**, 14, 356-368	2.1	51
76	Thermal elasto-plastic computation model for a buried oil pipeline in frozen ground. *Cold Regions Science and Technology*, **2010**, 64, 248-255	3.8	45
75	Influence of Pore Water (Ice) Content on the Strength and Deformability of Frozen Argillaceous Siltstone. *Rock Mechanics and Rock Engineering*, **2020**, 53, 967-974	5.7	43
74	Investigation of the freeze–thaw states of foundation soils in permafrost areas along the China–Russia Crude Oil Pipeline (CRCOP) route using ground-penetrating radar (GPR). *Cold Regions Science and Technology*, **2016**, 126, 10-21	3.8	40
73	Damage evolution and recrystallization enhancement of frozen loess. *International Journal of Damage Mechanics*, **2018**, 27, 1131-1155	3	34
72	Development of freezing–thawing processes of foundation soils surrounding the China–Russia Crude Oil Pipeline in the permafrost areas under a warming climate. *Cold Regions Science and Technology*, **2010**, 64, 226-234	3.8	33
71	Pipeline–permafrost interaction monitoring system along the China–Russia crude oil pipeline. *Engineering Geology*, **2019**, 254, 113-125	6	28
70	Forecasting the oil temperatures along the proposed China–Russia Crude Oil Pipeline using quasi 3-D transient heat conduction model. *Cold Regions Science and Technology*, **2010**, 64, 235-242	3.8	28
69	Yield surface evolution for columnar ice. *Results in Physics*, **2016**, 6, 851-859	3.7	26
68	Settlement characteristics of unprotected embankment along the Qinghai–Tibet Railway. *Cold Regions Science and Technology*, **2010**, 60, 84-91	3.8	24
67	Permafrost thawing along the China-Russia Crude Oil Pipeline and countermeasures: A case study in Jiagedaqi, Northeast China. *Cold Regions Science and Technology*, **2018**, 155, 308-313	3.8	23
66	Thermal Characteristics of the Embankment with Crushed Rock Side Slope to Mitigate Thaw Settlement Hazards of the Qinghai-Tibet Railway. *Acta Geologica Sinica*, **2009**, 83, 1000-1007	0.7	22

65	Freeze–thaw properties and long-term thermal stability of the unprotected tower foundation soils in permafrost regions along the Qinghai–Tibet Power Transmission Line. *Cold Regions Science and Technology*, **2016**, 121, 258-274	3.8	20
64	Field observations of cooling performance of thermosyphons on permafrost under the China-Russia Crude Oil Pipeline. *Applied Thermal Engineering*, **2018**, 141, 688-696	5.8	19
63	Study on design optimization of a crushed stone layer with shading board placed on a railway embankment on warm permafrost. *Cold Regions Science and Technology*, **2008**, 54, 36-43	3.8	19
62	LiDAR Data Classification Using Spatial Transformation and CNN. *IEEE Geoscience and Remote Sensing Letters*, **2019**, 16, 125-129	4.1	19
61	Thermal performance of a combined cooling method of thermosyphons and insulation boards for tower foundation soils along the Qinghai–Tibet Power Transmission Line. *Cold Regions Science and Technology*, **2016**, 121, 226-236	3.8	17
60	Experimental study on the dynamic behavior of expansive soil in slopes under freeze-thaw cycles. *Cold Regions Science and Technology*, **2019**, 163, 27-33	3.8	16
59	A new ripraped-rock slope for high temperature permafrost regions. *Cold Regions Science and Technology*, **2006**, 45, 42-50	3.8	15
58	Field observation of permafrost degradation under Mo'he airport, Northeastern China from 2007 to 2016. *Cold Regions Science and Technology*, **2019**, 161, 43-50	3.8	12
57	Long-term thermal and settlement characteristics of air convection embankments with and without adjacent surface water ponding in permafrost regions. *Engineering Geology*, **2020**, 266, 105464	6	11
56	A strength criterion for frozen clay considering the influence of stress Lode angle. *Canadian Geotechnical Journal*, **2019**, 56, 1557-1572	3.2	11
55	Thermal state of soils in the active layer and underlain permafrost at the kilometer post 304 site along the China-Russia Crude Oil Pipeline. *Journal of Mountain Science*, **2016**, 13, 1984-1994	2.1	10
54	Dynamic responses of frozen subgrade soil exposed to freeze-thaw cycles. *Soil Dynamics and Earthquake Engineering*, **2022**, 152, 107010	3.5	9
53	Mechanical Properties of Fiber-Reinforced Soil under Triaxial Compression and Parameter Determination Based on the Duncan-Chang Model. *Applied Sciences (Switzerland)*, **2020**, 10, 9043	2.6	9
52	Mass and Heat Balance of a Lake Ice Cover in the Central Asian Arid Climate Zone. *Water (Switzerland)*, **2020**, 12, 2888	3	8
51	Effect of Freeze-Thaw Cycles on Mechanical Behavior of Compacted Fine-Grained Soil **2012**,		8
50	Preliminary study on cooling effect mechanisms of Qinghai–Tibet railway embankment with open crushed-stone side slope in permafrost regions. *Cold Regions Science and Technology*, **2006**, 45, 193-201	3.8	8
49	A novel evaluation method for accumulative plastic deformation of granular materials subjected to cyclic loading: Taking frozen subgrade soil as an example. *Cold Regions Science and Technology*, **2020**, 179, 103152	3.8	8
48	Laboratory testing on heat transfer of frozen soil blocks used as backfills of pile foundation in permafrost along Qinghai-Tibet electrical transmission line. *Arabian Journal of Geosciences*, **2015**, 8, 2527-2535	1.8	7

47	Grazing exclusion did not affect soil properties in alpine meadows in the Tibetan permafrost region. *Ecological Engineering*, **2020**, 147, 105657	3.9	7
46	Study on the mesostructural evolution mechanism of compacted loess subjected to various weathering actions. *Cold Regions Science and Technology*, **2019**, 167, 102846	3.8	7
45	Permafrost warming under the earthen roadbed of the Qinghai–Tibet Railway. *Environmental Earth Sciences*, **2011**, 64, 1975-1983	2.9	7
44	Permafrost warming along the Mo'he-Jiagedaqi section of the China-Russia crude oil pipeline. *Journal of Mountain Science*, **2019**, 16, 285-295	2.1	7
43	Bioavailable phosphorus distribution in alpine meadow soil is affected by topography in the Tian Shan Mountains. *Journal of Mountain Science*, **2020**, 17, 410-422	2.1	6
42	A long-term strength criterion for frozen clay under complex stress states. *Cold Regions Science and Technology*, **2020**, 176, 103089	3.8	6
41	Engineering properties of loess stabilized by a type of eco-material, calcium lignosulfonate. *Arabian Journal of Geosciences*, **2019**, 12, 1	1.8	6
40	Solar radiation transfer for an ice-covered lake in the central Asian arid climate zone. *Inland Waters*, **2021**, 11, 89-103	2.4	6
39	Profile distributions of soil organic carbon fractions in a permafrost region of the Qinghai–Tibet Plateau. *Permafrost and Periglacial Processes*, **2020**, 31, 538-547	4.2	5
38	Study on Tensile Strength and Tensile-Shear Coupling Mechanism of Loess around Lanzhou and Yanan City in China by Unconfined Penetration Test. *KSCE Journal of Civil Engineering*, **2019**, 23, 2471-2482	1.9	5
37	Porosity of crushed rock layer and its impact on thermal regime of Qinghai–Tibet Railway embankment. *Journal of Central South University*, **2017**, 24, 977-987	2.1	5
36	Quantification of Temporal Decorrelation in X-, C-, and L-Band Interferometry for the Permafrost Region of the Qinghai–Tibet Plateau. *IEEE Geoscience and Remote Sensing Letters*, **2017**, 14, 2285-2289	4.1	5
35	46-Year (1973–2019) Permafrost Landscape Changes in the Hola Basin, Northeast China Using Machine Learning and Object-Oriented Classification. *Remote Sensing*, **2021**, 13, 1910	5	5
34	Characteristics of the active-layer under the China-Russia Crude Oil pipeline. *Journal of Mountain Science*, **2021**, 18, 323-337	2.1	5
33	Development of Anisotropy in Sandstone Subjected to Repeated Frost Action. *Rock Mechanics and Rock Engineering*, **2021**, 54, 1863-1874	5.7	5
32	Assessment of Freeze–Thaw Hazards and Water Features along the China–Russia Crude Oil Pipeline in Permafrost Regions. *Remote Sensing*, **2020**, 12, 3576	5	4
31	Pasture degradation impact on soil carbon and nitrogen fractions of alpine meadow in a Tibetan permafrost region. *Journal of Soils and Sediments*, **2020**, 20, 2330-2342	3.4	3
30	Effect of Repeated Wetting-Drying-Freezing-Thawing Cycles on the Mechanic Properties and Pore Characteristics of Compacted Loess. *Advances in Civil Engineering*, **2020**, 2020, 1-8	1.3	3

29	Deformation Monitoring in an Alpine Mining Area in the Tianshan Mountains Based on SBAS-InSAR Technology. *Advances in Materials Science and Engineering*, **2021**, 2021, 1-15	1.5	3
28	Automated demarcation of the homogeneous domains of trace distribution within a rock mass based on GLCM and ISODATA. *International Journal of Rock Mechanics and Minings Sciences*, **2020**, 128, 104249	6	2
27	A novel freezing point determination method for oil-contaminated soils based on electrical resistance measurement and its influencing factors. *Science of the Total Environment*, **2020**, 721, 137821	10.2	2
26	Proposal of a New Method for Controlling the Thaw of Permafrost around the China–Russia Crude Oil Pipeline and a Preliminary Study of Its Ventilation Capacity. *Water (Switzerland)*, **2021**, 13, 2908	3	2
25	Response of bacterial communities to mining activity in the alpine area of the Tianshan Mountain region, China. *Environmental Science and Pollution Research*, **2021**, 28, 15806-15818	5.1	2
24	Diurnal Cycle Model of Lake Ice Surface Albedo: A Case Study of Wuliangsuhai Lake. *Remote Sensing* , **2021**, 13, 3334	5	2
23	Globally elevated chemical weathering rates beneath glaciers.. *Nature Communications*, **2022**, 13, 407	17.4	1
22	Three-Dimensional Numerical Investigation on the Seepage Field and Stability of Soil Slope Subjected to Snowmelt Infiltration. *Water (Switzerland)*, **2021**, 13, 2729	3	1
21	Effect of freeze-thaw cycles on the physical and dynamic characteristic of modified Na-bentonite by KCl. *Arabian Journal of Geosciences*, **2020**, 13, 1	1.8	1
20	Acceleration Frequency Characteristics of the Freight-Train-Induced Vibration of the Beijing-Harbin Railway Subgrade. *Shock and Vibration*, **2020**, 2020, 1-11	1.1	1
19	Dynamic Behavior of Geosynthetic-Reinforced Expansive Soil under Freeze-Thaw Cycles. *Advances in Civil Engineering*, **2021**, 2021, 1-11	1.3	1
18	Freeze-thaw resistance of eco-material stabilized loess. *Journal of Mountain Science*, **2021**, 18, 794-805	2.1	1
17	A novel approach for characterizing frozen soil damage based on mesostructure. *International Journal of Damage Mechanics*,105678952110454	3	1
16	Fracture Mechanical Properties of Frozen Sandstone at Different Initial Saturation Degrees. *Rock Mechanics and Rock Engineering*,1	5.7	1
15	Controlling factors of soil organic carbon and nitrogen in lucerne grasslands in a semiarid environment. *Catena*, **2022**, 211, 105983	5.8	0
14	Numerical analysis of frost heave and thawing settlement of the pile–soil system in degraded permafrost region. *Environmental Earth Sciences*, **2021**, 80, 1	2.9	0
13	Damage characteristics of the Qinghai-Tibet Highway in permafrost regions based on UAV imagery. *International Journal of Pavement Engineering*,1-12	2.6	0
12	Improving the Mechanical Properties of Red Clay Using Xanthan Gum Biopolymer. *International Journal of Polymer Science*, **2021**, 2021, 1-16	2.4	0

11	Early-age hydration heat evolution and kinetics of Portland cement containing nano-silica at different temperatures. *Construction and Building Materials*, **2022**, 334, 127363	6.7	0
10	Alternate freezing and thawing enhanced the sediment and nutrient runoff loss in the restored soil of the alpine mining area. *Journal of Mountain Science*,1	2.1	0
9	Influence of Warm Oil Pipeline on Underlying Permafrost and Cooling Effect of Thermosyphon Based on Field Observations. *Springer Series in Geomechanics and Geoengineering*, **2018**, 1424-1428	0.1	
8	Analysis of Necessity and Feasibility for Ground Improvement in Warm and Ice-Rich Permafrost Regions. *Advances in Civil Engineering*, **2022**, 2022, 1-12	1.3	
7	Influence of Wetting-Drying Cycle in Road Cut Slope in Loess in Northwest China. *Springer Series in Geomechanics and Geoengineering*, **2018**, 1508-1511	0.1	
6	Centrifuge Model Test on Performance of Thermosyphon Cooled Sandbags Supporting Warm Oil Pipeline Buried in Thawing Permafrost. *Springer Series in Geomechanics and Geoengineering*, **2018**, 1380-1384	0.1	
5	Degradation Characteristics and Bearing Capacity Model of Pile in Degraded Permafrost. *Proceedings of the Institution of Civil Engineers: Geotechnical Engineering*, **2020**, 1-44	0.9	
4	Experimental Study on Electric Resistivity Characteristics of Compacted Loess under Different Loads and Drying-Wetting Cycles. *Advances in Civil Engineering*, **2021**, 2021, 1-12	1.3	
3	Critical Dynamic Stress and Accumulative Deformation Evolution of Embankment Silty Clay Subjected to Cyclic Freeze-Thaw. *Shock and Vibration*, **2021**, 2021, 1-9	1.1	
2	A 10-yr thermal regime of permafrost beneath and adjacent to an alpine thermokarst lake, Beiluhe Basin, Qinghai□Tibet Plateau, China. *Permafrost and Periglacial Processes*, **2021**, 32, 618	4.2	
1	Experimental Study on the Anisotropy and Non-coaxiality of Frozen Standard Sand under Different Principal Stress Directions. *Geofluids*, **2022**, 2022, 1-15	1.5	