Guo-yu Li

List of Publications by Year in Descending Order

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	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	
81	Globally elevated chemical weathering rates beneath glaciers.. *Nature Communications*, **2022**, 13, 407	17.4	1
80	Controlling factors of soil organic carbon and nitrogen in lucerne grasslands in a semiarid environment. *Catena*, **2022**, 211, 105983	5.8	0
79	Dynamic responses of frozen subgrade soil exposed to freeze-thaw cycles. *Soil Dynamics and Earthquake Engineering*, **2022**, 152, 107010	3.5	9
78	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
77	Experimental Study on the Anisotropy and Non-coaxiality of Frozen Standard Sand under Different Principal Stress Directions. *Geofluids*, **2022**, 2022, 1-15	1.5	
76	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
75	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
74	Three-Dimensional Numerical Investigation on the Seepage Field and Stability of Soil Slope Subjected to Snowmelt Infiltration. *Water (Switzerland)*, **2021**, 13, 2729	3	1
73	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
72	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
71	Dynamic Behavior of Geosynthetic-Reinforced Expansive Soil under Freeze-Thaw Cycles. *Advances in Civil Engineering*, **2021**, 2021, 1-11	1.3	1
70	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
69	Solar radiation transfer for an ice-covered lake in the central Asian arid climate zone. *Inland Waters*, **2021**, 11, 89-103	2.4	6
68	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	
67	Freeze-thaw resistance of eco-material stabilized loess. *Journal of Mountain Science*, **2021**, 18, 794-805	2.1	1
66	Diurnal Cycle Model of Lake Ice Surface Albedo: A Case Study of Wuliangsuhai Lake. *Remote Sensing* , **2021**, 13, 3334	5	2

65	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	
64	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	
63	Characteristics of the active-layer under the China-Russia Crude Oil pipeline. *Journal of Mountain Science*, **2021**, 18, 323-337	2.1	5
62	Development of Anisotropy in Sandstone Subjected to Repeated Frost Action. *Rock Mechanics and Rock Engineering*, **2021**, 54, 1863-1874	5.7	5
61	Improving the Mechanical Properties of Red Clay Using Xanthan Gum Biopolymer. *International Journal of Polymer Science*, **2021**, 2021, 1-16	2.4	0
60	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
59	Mass and Heat Balance of a Lake Ice Cover in the Central Asian Arid Climate Zone. *Water (Switzerland)*, **2020**, 12, 2888	3	8
58	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
57	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
56	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
55	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
54	Grazing exclusion did not affect soil properties in alpine meadows in the Tibetan permafrost region. *Ecological Engineering*, **2020**, 147, 105657	3.9	7
53	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
52	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
51	A long-term strength criterion for frozen clay under complex stress states. *Cold Regions Science and Technology*, **2020**, 176, 103089	3.8	6
50	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
49	Experimental investigation of the path-dependent strength and deformation behaviours of frozen loess. *Engineering Geology*, **2020**, 265, 105449	6	58
48	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

47	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
46	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	
45	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
44	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
43	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
42	Pipeline–permafrost interaction monitoring system along the China–Russia crude oil pipeline. *Engineering Geology*, **2019**, 254, 113-125	6	28
41	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
40	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
39	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
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	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
36	Engineering properties of loess stabilized by a type of eco-material, calcium lignosulfonate. *Arabian Journal of Geosciences*, **2019**, 12, 1	1.8	6
35	A strength criterion for frozen clay considering the influence of stress Lode angle. *Canadian Geotechnical Journal*, **2019**, 56, 1557-1572	3.2	11
34	LiDAR Data Classification Using Spatial Transformation and CNN. *IEEE Geoscience and Remote Sensing Letters*, **2019**, 16, 125-129	4.1	19
33	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
32	Damage evolution and recrystallization enhancement of frozen loess. *International Journal of Damage Mechanics*, **2018**, 27, 1131-1155	3	34
31	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	
30	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

29	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	
28	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	
27	Effect of freeze-thaw cycles in mechanical behaviors of frozen loess. *Cold Regions Science and Technology*, **2018**, 146, 9-18	3.8	153
26	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
25	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
24	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
23	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
22	Hyperspectral Images Classification With Gabor Filtering and Convolutional Neural Network. *IEEE Geoscience and Remote Sensing Letters*, **2017**, 14, 2355-2359	4.1	124
21	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
20	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
19	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
18	Multiaxial creep of frozen loess. *Mechanics of Materials*, **2016**, 95, 172-191	3.3	118
17	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
16	Yield surface evolution for columnar ice. *Results in Physics*, **2016**, 6, 851-859	3.7	26
15	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
14	Effect of Freeze-Thaw Cycles on Mechanical Behavior of Compacted Fine-Grained Soil **2012**,		8
13	Permafrost warming under the earthen roadbed of the Qinghai–Tibet Railway. *Environmental Earth Sciences*, **2011**, 64, 1975-1983	2.9	7
12	Settlement characteristics of unprotected embankment along the Qinghai–Tibet Railway. *Cold Regions Science and Technology*, **2010**, 60, 84-91	3.8	24

11	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
10	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
9	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
8	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
7	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
6	A new ripraped-rock slope for high temperature permafrost regions. *Cold Regions Science and Technology*, **2006**, 45, 42-50	3.8	15
5	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
4	A novel approach for characterizing frozen soil damage based on mesostructure. *International Journal of Damage Mechanics*,105678952110454	3	1
3	Damage characteristics of the Qinghai-Tibet Highway in permafrost regions based on UAV imagery. *International Journal of Pavement Engineering*,1-12	2.6	0
2	Fracture Mechanical Properties of Frozen Sandstone at Different Initial Saturation Degrees. *Rock Mechanics and Rock Engineering*,1	5.7	1
1	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