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A review of the influence of freeze-thaw cycles on soil geotechnical properties

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#	Paper	IF	Citations
237	Repeated freeze <b>t</b> haw cycles and their effects on mineralization of hexadecane and phenanthrene in cold climate soils. <i>Cold Regions Science and Technology</i> , <b>2007</b> , 49, 215-225	3.8	15
236	Modeling biogeophysical interactions in nonsorted circles in the Low Arctic. 2008, 113,		21
235	Natural and management-induced dynamics of hydraulic conductivity along a cover-cropped field slope. <b>2008</b> , 146, 317-325		48
234	Influence of freezethaw on engineering properties of a silty soil. <i>Cold Regions Science and Technology</i> , <b>2008</b> , 53, 397-404	3.8	175
233	Frost heave and dry density changes during cyclic freeze-thaw of a silty clay. <i>Permafrost and Periglacial Processes</i> , <b>2009</b> , 20, 65-70	4.2	7
232	FreezingEhawing behavior of fine-grained soils reinforced with polypropylene fibers. <i>Cold Regions Science and Technology</i> , <b>2010</b> , 60, 63-65	3.8	88
231	The influence of freezethaw cycles on the unconfined compressive strength of fiber-reinforced clay. <i>Cold Regions Science and Technology</i> , <b>2010</b> , 61, 125-131	3.8	121
230	California Bearing Ratio improvement and freezethaw performance of fine-grained soils treated with geofiber and synthetic fluid. <i>Cold Regions Science and Technology</i> , <b>2010</b> , 63, 50-60	3.8	66
229	Linear elastic constitutive relation for multiphase porous media using microstructure superposition: Freezelhaw soils. <i>Cold Regions Science and Technology</i> , <b>2011</b> , 65, 251-257	3.8	2
228	Influence of Freeze-Thaw Action on Deformation-Strength Characteristics and Particle Crushability of Volcanic Coarse-Grained Soils. <b>2011</b> , 51, 785-799		22
227	Energy geo-storage hanalysis and geomechanical implications. <i>KSCE Journal of Civil Engineering</i> , <b>2011</b> , 15, 655-667	1.9	18
226	Field applicability of self-recovering sustainable liner as landfill final cover. <b>2011</b> , 62, 1567-1576		9
225	Experimental investigations on the influence of cyclical freezing and thawing on physical and mechanical properties of saline soil. <b>2011</b> , 64, 431-436		18
224	Physical modelling of rainfall- and snowmelt-induced erosion of stony slope underlain by permafrost. <b>2011</b> , 36, 395-407		10
223	Soil erosion in Nordic countries Ifuture challenges and research needs. <b>2012</b> , 62, 176-184		5
222	Drainage subsidence associated with Arctic permafrost degradation. <b>2012</b> , 117, n/a-n/a		6
221	Non-aqueous Phase Liquid Spills in Freezing and Thawing Soils: Critical Analysis of Pore-Scale Processes. <b>2013</b> , 43, 551-597		6

## (2016-2013)

220	Effects of municipal solid waste compost (MSWC) application on certain physical properties of soils subjected to freezethaw. <b>2013</b> , 130, 58-61		27
219	Freezethaw performance of clayey soil reinforced with geotextile layer. <i>Cold Regions Science and Technology</i> , <b>2013</b> , 89, 22-29	3.8	53
218	Long-Term Foundation Response to Repetitive Loading. <b>2014</b> , 140, 04013036		39
217	Mechanical properties of a silty clay subjected to freezing <b>E</b> hawing. <i>Cold Regions Science and Technology</i> , <b>2014</b> , 98, 26-34	3.8	69
216	Application of Triangular Polypropylene Fibres on Soil Subjected to Freezellhaw Cycles. <b>2014</b> , 44, 351-3	356	13
215	Investigation of the pore water pressures of coarse-grained sandy soil during open-system step-freezing and thawing tests. <b>2014</b> , 181, 233-248		44
214	Early Holocene soil cryoturbation in northeastern USA: Implications for archaeological site formation. <b>2014</b> , 342, 186-198		3
213	Geohazard at volcanic soil slope in cold regions and its influencing factors. <b>2015</b> , 1, 1-20		5
212	Freeze-Thaw Performance and Moisture-Induced Damage Resistance of Base Course Stabilized with Slow Setting Bitumen Emulsion-Portland Cement Additives. <i>Advances in Materials Science and Engineering</i> , <b>2015</b> , 2015, 1-10	1.5	2
211	Effect of freezeEhaw cycles on the hydraulic conductivity of a compacted clayey silt and influence of the compaction energy. <b>2015</b> , 55, 1326-1332		16
210	Assessment of strength development and freezethaw performance of cement treated clays at different water contents. <i>Cold Regions Science and Technology</i> , <b>2015</b> , 111, 50-59	3.8	47
209	Effects of Climatic Factors on Mechanical Properties of Cement and Fiber Reinforced Clays. <b>2015</b> , 33, 537-548		23
208	Effect of freezeEhaw on hydraulic conductivity and microstructure of soft soil in Shanghai area. <b>2015</b> , 73, 7679-7690		46
207	Effect of freezeEhaw cycles on mechanical property of silty clay modified by fly ash and crumb rubber. <i>Cold Regions Science and Technology</i> , <b>2015</b> , 116, 70-77	3.8	26
206	Effects of freezeEhaw cycles on a fiber reinforced fine grained soil in relation to geotechnical parameters. <i>Cold Regions Science and Technology</i> , <b>2015</b> , 120, 127-137	3.8	55
205	Marble powder to stabilise clayey soils in sub-bases for road construction. <b>2015</b> , 16, 481-492		24
204	Effects of diatomite (DE) application on physical properties of soils subjected to freeze-thaw cycles. <b>2016</b> , 160, 34-41		9
203	Modified compressibility of cohesive sediments induced by thermal anomalies due to a borehole heat exchanger. <b>2016</b> , 202, 143-152		16

202	The freeze-thaw cycles-time analogy method for forecasting long-term frozen soil strength. <b>2016</b> , 92, 483-488	11
201	Influence of freeze-thaw cycles on mechanical properties of a silty sand. <b>2016</b> , 210, 23-32	100
200	Induced thermal compaction in cohesive sediments around a borehole heat exchanger: laboratory tests on the effect of pore water salinity. <b>2016</b> , 75, 1	7
199	Modeling water use, transpiration and soil evaporation of spring wheatthaize and spring whe	51
198	Field and laboratory performance of a cold-region sand stabilized with geofiber and synthetic fluid. Cold Regions Science and Technology, <b>2017</b> , 135, 16-27	4
197	Effects of freeze-thaw cycle on engineering properties of loess used as road fills in seasonally frozen ground regions, North China. <b>2017</b> , 14, 356-368	51
196	Study on Mechanism of Freeze-Thaw Cycles Induced Changes in Soil Strength Using Electrical Resistivity and X-Ray Computed Tomography. <b>2017</b> , 139,	5
195	Performance of the biotic systems for reducing methane emissions from landfill sites: A review. <b>2017</b> , 104, 116-130	34
194	Effect of Freeze-Thaw Cycles on the Strength of Base Course Materials Used under Chinall High-Speed Railway Line. <b>2017</b> , 31, 06017003	10
193	Quantifying the impact of a succession of freezing-thawing cycles on the pore network of a silty clay loam and a loamy sand topsoil using X-ray tomography. <b>2017</b> , 156, 365-374	31
192	Effects of freeze-thawing cycles on desorption behaviors of PAH-contaminated soil in the presence of a biosurfactant: a case study in western Canada. <b>2017</b> , 19, 874-882	8
191	Improved method of freezethaw erosion for the Three-River Source Region in the Qinghaillibetan Plateau, China. <b>2017</b> , 8, 1678-1694	2
190	Heatingfreezing effects on the pore size distribution of a kaolinite clay. 2017, 76, 1	13
189	Evaluating the Behavior of a Cohesive Soil Undergoing One Cycle of Freeze-Thaw. 2017,	2
188	Evaluation of frost heave and moisture/chemical migration mechanisms in highway subsoil using a laboratory simulation method. <i>Cold Regions Science and Technology</i> , <b>2017</b> , 133, 26-35	19
187	An experimental study on the effects of freezethaw cycles on phosphorus adsorption desorption processes in brown soil. <b>2017</b> , 7, 37441-37446	13
186	Surface State across Scales; Temporal and Spatial Patterns in Land Surface Freeze/Thaw Dynamics. <b>2017</b> , 7, 65	8
185	Updating Secondary Climate Attributes for Transportation Infrastructure Management. <b>2018</b> , 24, 04017040	5

## (2018-2018)

184	Effect of in-situ disturbance within the soil mass on the stress-strain behaviour of silty soil. <b>2018</b> , 143, 012035		
183	Influence of fiber type and content on freeze-thaw resistance of fiber reinforced lime stabilized clay. <i>Cold Regions Science and Technology</i> , <b>2018</b> , 151, 359-366	3.8	38
182	Experimental study on the freezingthawing deformation of a silty clay. <i>Cold Regions Science and Technology</i> , <b>2018</b> , 151, 19-27	3.8	48
181	The influence of freezethaw cycles on the shear strength of illite clay. <b>2018</b> , 171, 16-27		11
180	Scientific concept and application of frozen soil engineering system. <i>Cold Regions Science and Technology</i> , <b>2018</b> , 146, 127-132	3.8	5
179	Practical model of deformation prediction in soft clay after artificial ground freezing under subway low-level cyclic loading. <b>2018</b> , 76, 30-42		13
178	Strength behaviors and meso-structural characters of loess after freeze-thaw. <i>Cold Regions Science and Technology</i> , <b>2018</b> , 148, 104-120	3.8	58
177	Heat transfer and water migration in loess slopes during freeze <b>E</b> haw cycling in Northern Shaanxi, China. <b>2018</b> , 16, 1591-1605		7
176	Dynamic shear modulus and damping ratio of thawed saturated clay under long-term cyclic loading. <i>Cold Regions Science and Technology</i> , <b>2018</b> , 145, 93-105	3.8	25
175	Root-induced changes to soil water retention in permafrost regions of the Qinghai-Tibet Plateau, China. <b>2018</b> , 18, 791-803		16
174	A theoretical extension of the soil freezing curve paradigm. 2018, 111, 319-328		19
173	Effect of freeze-thaw cycles in mechanical behaviors of frozen loess. <i>Cold Regions Science and Technology</i> , <b>2018</b> , 146, 9-18	3.8	153
172	Nitrous oxide emissions and biogeochemical responses to soil freezing-thawing and drying-wetting. <b>2018</b> , 117, 5-15		83
171	The Effect of Bottom Ash on Soil Suction and Resilient Modulus of Medium-Plasticity Clay. <b>2018</b> , 2672, 96-107		4
170	Mechanism of slope failure in loess terrains during spring thawing. <b>2018</b> , 15, 845-858		15
169	Dependence of C-Band Backscatter on Ground Temperature, Air Temperature and Snow Depth in Arctic Permafrost Regions. <b>2018</b> , 10, 142		14
168	Experimental Research on Resilient Modulus of Silty Clay Modified by Oil Shale Ash and Fly Ash after Freeze-Thaw Cycles. <b>2018</b> , 8, 1298		13
167	Development of Ground Freezing System for Undisturbed Sampling of Granular Soils. <b>2018</b> , 2018, 1-13		4

166	Time Domain Reflectometry for Indirect Measurement Change During Freeze-Thaw Process of Soil Volume. <b>2018</b> , 993-1003	
165	Effect of freeze-thaw cycles on shear strength of saline soil. <i>Cold Regions Science and Technology</i> , <b>2018</b> , 154, 42-53	37
164	Investigation on the Effects of Freeze-Thaw Action on the Pore Water Pressure Variations of Soils. <b>2018</b> , 140,	6
163	Variation of the thermal conductivity of a silty clay during a freezing-thawing process. <b>2018</b> , 124, 1059-1067	38
162	Liquid-Vapor-Air Flow in the Frozen Soil. <b>2018</b> , 123, 7393	21
161	Modification of silty clay strength in cold region's pavement using glass residue. <i>Cold Regions</i> Science and Technology, <b>2018</b> , 154, 111-119  3.8	3
160	Study on the mesostructural evolution mechanism of compacted loess subjected to various weathering actions. <i>Cold Regions Science and Technology</i> , <b>2019</b> , 167, 102846	7
159	Infiltration from the Pedon to Global Grid Scales: An Overview and Outlook for Land Surface Modeling. <b>2019</b> , 18, 1-53	36
158	Effect of freeze-thaw cycles on uniaxial mechanical properties of cohesive coarse-grained soils. <b>2019</b> , 16, 2159-2170	15
157	Water migration and deformation during freeze-thaw of crushed rock layer in Chinese high-speed railway subgrade: Large scale experiments. <i>Cold Regions Science and Technology</i> , <b>2019</b> , 166, 102841	6
156	Effects of Cyclic Freeze and Thaw on Engineering Properties of Compacted Loess and Lime-Stabilized Loess. <b>2019</b> , 31, 04019205	19
155	Seasonal and Topographic Variations in Ecohydrological Separation Within a Small, Temperate, Snow-Influenced Catchment. <b>2019</b> , 55, 6417-6435	18
154	A trust region approach for numerical modeling of non-isothermal phase change. <b>2019</b> , 23, 911-923	1
153	Ageing deformation of tailings dams in seasonally frozen soil areas under freeze-thaw cycles. <b>2019</b> , 9, 15033	3
152	Effect of Soil Thermal Heterogeneity on Permafrost Evolution. 2019,	
151	Effect of freeze-thaw cycles on mechanical strength of lime-treated fine-grained soils. <b>2019</b> , 21, 100281	25
150	Deformation behaviors and mesoEtructure characteristics variation of the weathered soil of Pisha sandstone caused by freezingEhawing effect. <i>Cold Regions Science and Technology</i> , <b>2019</b> , 167, 102864	10
149	Analysis of the Stability of Thawing Slopes by Random Finite Element Method. <b>2019</b> , 2673, 465-476	1

## (2020-2019)

148	Shear strength and damage mechanism of saline intact loess after freeze-thaw cycling. <i>Cold Regions Science and Technology</i> , <b>2019</b> , 164, 102779	3.8	39
147	Freeze-thaw behavior of lime stabilized clay reinforced with silica fume and synthetic fibers. <i>Cold Regions Science and Technology</i> , <b>2019</b> , 161, 107-114	3.8	27
146	Influence of nano-SiO2 on geotechnical properties of fine soils subjected to freeze-thaw cycles. <i>Cold Regions Science and Technology</i> , <b>2019</b> , 161, 129-136	3.8	28
145	Shear Strength Behavior of Coarse-Grained Saline Soils after Freeze-Thaw. <i>KSCE Journal of Civil Engineering</i> , <b>2019</b> , 23, 2437-2452	1.9	22
144	Study on the Changing Rules of Silty Clay Pore Structure under Freeze-Thaw Cycles. <b>2019</b> , 2019, 1-11		5
143	Relevance of computing freeze-thaw effects for borehole heat exchanger modelling: A comparative case study. <b>2019</b> , 79, 164-175		14
142	Dynamic Properties of Soft Clay Under Freezing-Thawing Cycle. <b>2019</b> , 255-257		
141	Experimental and analytical investigation of the dynamic behavior of granular base course materials used for China's high-speed railways subjected to freeze-thaw cycles. <i>Cold Regions Science and Technology</i> , <b>2019</b> , 157, 139-148	3.8	10
140	Freeze-Thaw Cycle Impact on Volumetric and Low-Temperature Shear Behavior of High-Salinity Soils. <b>2019</b> , 33, 06018002		8
139	Multiscale analysis of freezethaw effects induced by ground heat exchangers on permeability of silty clays. <b>2019</b> , 69, 95-105		25
138	Influence of freezethaw cycles on mechanical responses of cemented paste tailings in surface storage. <b>2020</b> , 34, 326-342		10
137	Study on cyclically dynamic behavior of tailing soil exposed to freeze-thaw cycles. <i>Cold Regions Science and Technology</i> , <b>2020</b> , 171, 102984	3.8	6
136	Constitutive model with double yield surfaces of freeze-thaw soil considering moisture migration. <b>2020</b> , 79, 2353-2365		4
135	Deformation Research of Silty Clay under Freeze-Thaw Cycles. <i>KSCE Journal of Civil Engineering</i> , <b>2020</b> , 24, 435-442	1.9	5
134	Experimental study on the hydraulic conductivity of unsaturated dispersive soil with different salinities subjected to freeze-thaw. <b>2020</b> , 583, 124297		10
133	Effect of freeze-thaw on freezing point of a saline loess. <i>Cold Regions Science and Technology</i> , <b>2020</b> , 170, 102922	3.8	20
132	. <b>2020</b> , 13, 2996-3005		19
131	The Influence of Regional Freezellhaw Cycles on Loess Landslides: Analysis of Strength Deterioration of Loess with Changes in Pore Structure. <b>2020</b> , 12, 3047		7

130	Model representation and quantitative analysis of pore three-dimensional morphological structure based on soil computed tomography images. <b>2020</b> , 72, 1530		1
129	Pollution of soil environment by oil exploitation in loess hilly region. <b>2020</b> , 1544, 012183		
128	Effect of freezing and thawing on available phosphorus content of soil. 2020, 450, 012113		
127	Relationship between the Shear Strength and Microscopic Pore Parameters of Saline Soil with Different Freeze-Thaw Cycles and Salinities. <b>2020</b> , 12, 1709		7
126	Influence of In-situ Cryogenic Freezing on Thermal and Mechanical Characteristics of Korean Marine Clay. <i>KSCE Journal of Civil Engineering</i> , <b>2020</b> , 24, 3501-3515	9	1
125	Numerical Analysis of the Causes of Curved Soil Levee Breaches in Seasonal Freeze-Thaw Areas.  KSCE Journal of Civil Engineering, <b>2020</b> , 24, 2669-2681	9	
124	The California Bearing Ratio and Pore Structure Characteristics of Weakly Expansive Soil in Frozen Areas. <b>2020</b> , 10, 7576		3
123	Uplift Bearing Capacity of Cone-Cylinder Foundation for Transmission Line in Frozen Soil Regions, Using Reduced-Scale Model Tests and Numerical Simulations. <b>2020</b> , 13, 2066		
122	Creep behavior of soft clay subjected to artificial freezethaw from multiple-scale perspectives. <b>2020</b> , 15, 2849-2864		5
121	Long-Term Durability of Ordinary Portland Cement and Polypropylene Fibre Stabilized Kaolin Soil Using Wetting Drying and Freezing Thawing Test. <b>2020</b> , 6, 1		11
120	Volumetric behaviour of clays under freezethaw cycles in a mesoscopically uniform element. <b>2020</b> , 1-15		3
119	The effects of vegetation traits and their stability functions in bio-engineered slopes: A perspective review. <b>2020</b> , 275, 105742		19
118	Mechanism of thawing. <b>2020</b> , 7, 1716438		0
117	Effect of freeze-thaw on freezing point and thermal conductivity of loess. <b>2020</b> , 13, 1		6
116	Strength and microstructure characteristics of cement-soda residue solidified/stabilized zinc contaminated soil subjected to freezingthawing cycles. <i>Cold Regions Science and Technology</i> , <b>2020</b> , 3. 172, 102992	8	16
115	Strength deterioration model of remolded loess contaminated with acid and alkali solution under freeze-thaw cycles. <b>2020</b> , 79, 3007-3018		7
114	Performance of silty sand reinforced with aqueous solution of polyvinyl alcohol subjected to freeze-thaw cycles. <i>Cold Regions Science and Technology</i> , <b>2020</b> , 174, 103054	8	4
113	Soil Response to Repetitive Changes in Pore-Water Pressure under Deviatoric Loading. <b>2020</b> , 146, 040200	23	4

## (2021-2020)

112	Soil thermal regime alteration under experimental warming in permafrost regions of the central Tibetan Plateau. <b>2020</b> , 372, 114397	8
111	Effects of curing time and freezethaw cycle on strength of soils with high plasticity stabilized by waste marble powder. <b>2020</b> , 22, 1459-1474	2
110	How permafrost degradation threatens boreal forest growth on its southern margin?. 2021, 762, 143154	3
109	A capped constitutive model for frozen-thawed soil. <b>2021</b> , 26, 100449	Ο
108	Stability behavior of a reservoir soil bank slope under freeze-thaw cycles in cold regions. <i>Cold Regions Science and Technology</i> , <b>2021</b> , 181, 103181	4
107	Effect of freeze-thaw cycles on the strength behaviour of recompacted loess in true triaxial tests.  Cold Regions Science and Technology, <b>2021</b> , 181, 103172  3.8	5
106	Influence of freeze-thaw cycles on microstructure and hydraulic conductivity of saline intact loess. <i>Cold Regions Science and Technology</i> , <b>2021</b> , 181, 103183	39
105	Effect of freezethaw cycles on the accumulative deformation of frozen clay under cyclic loading conditions: experimental evidence and theoretical model. <b>2021</b> , 22, 925-941	12
104	Effect of freeze-thaw cycles on soil engineering properties of reservoir bank slopes at the northern foot of Tianshan Mountain. <b>2021</b> , 18, 541-557	8
103	Effects of thermal cycles on microstructural and functional properties of nano treated clayey soil. <b>2021</b> , 280, 105929	12
102	Heat transfer characteristics of gravelly soils with different compactness during unidirectional freezing process. <b>2021</b> , 57, 1161	O
101	Shear modulus and damping ratio of clay soil under repeated freeze-thaw cycles. 2021, 71-81	4
100	Soil Response during Globally Drained and Undrained Freezellhaw Cycles under Deviatoric Loading. <b>2021</b> , 147, 06020030	3
99	Shear properties and pore structure characteristics of soilbock mixture under freezethaw cycles. <b>2021</b> , 80, 3233-3249	2
98	Improvement of the Salinized Soil Properties of Fly Ash by Freeze-Thaw Cycles: An Impact Test Study. <b>2021</b> , 13, 2908	1
97	Physical and Mechanical Characteristics of Shallow Expansive Soil due to Freeze-Thaw Effect with Water Supplement. <b>2021</b> , 2021, 1-11	
96	Evaluation of the impact of freezelhaw cycles on the soil pore structure of alpine meadows using X-ray computed tomography. <b>2021</b> , 85, 1060-1072	2
95	Influence of Insulation Layer on the Thermal Behavior of Subgrade Soils. 2021,	

94	Effect of cement and zeolite on silty sand samples under freezethaw cycles. 1-24	5
93	Effect of freeze-thaw cycles on static properties of cement stabilised subgrade silty soil. 1-13	3
92	Soil structure recovery following compaction: Short-term evolution of soil physical properties in a loamy soil. <b>2021</b> , 85, 1002-1020	4
91	Study on Mechanical Properties of Saline Soil and Evaluation of Influencing Factors. <b>2021</b> , 35, 04021002	O
90	Effect of freezing and thawing on soil permeability: newly equipment and experimental results. <b>2021</b> , 1928, 012012	0
89	Impact of freezeEhaw cycles on soil structure and soil hydraulic properties. <b>2021</b> , 7, 179-191	9
88	Model tests of freeze-thaw behavior of geocell-reinforced soils. <b>2021</b> , 49, 669-687	4
87	Natural recovery of skid trails: a review. <b>2021</b> , 51, 948-961	10
86	Effects of A low-carbon emission additive on mechanical properties of fine-grained soil under freeze-thaw cycles. <b>2021</b> , 304, 127157	13
85	Carbonate Soil Cryogenesis in South Yakutia (Russia). <b>2021</b> , 11, 800	1
84	Experimental Study on Undrained Shear Properties of Saline Soil under Freeze-Thaw Cycles. <b>2021</b> , 2021, 1-12	0
83	A model for freeze-thaw-induced plastic volume changes in saturated clays. <b>2021</b> , 61, 1054-1070	1
82	Insights into the kinetic processes of solute migration by unidirectional freezing in porous media with micromodel visualization at the pore-scale. <b>2021</b> , 784, 147178	1
81	Shear Strength and Microstructure of Intact Loess Subjected to Freeze-Thaw Cycling. <i>Advances in Materials Science and Engineering</i> , <b>2021</b> , 2021, 1-15	4
80	Effect of Ground Freezing with Liquid Nitrogen on Freezing Rate and Mechanical Properties of Coastal Clayey Silt. <b>2021</b> , 147, 04021057	1
79	Modeling of coupled transfer of water, heat and solute in saline loess considering sodium sulfate crystallization. <i>Cold Regions Science and Technology</i> , <b>2021</b> , 189, 103335	18
78	Quantifying the effect of freeze-thaw cycles on track surface deformation and degradation of railway track geometry; Case study. <b>2021</b> , 30, 100601	4
77	Neutron scattering quantification of unfrozen pore water in frozen mud. <b>2021</b> , 324, 111267	4

76	FreezeThaw Durability of Cement-Stabilized Soil Reinforced with Polypropylene/Basalt Fibers. <b>2021</b> , 33, 04021232		9
75	Laboratory study on the frost-proof performance of a novel embankment dam in seasonally frozen regions. <b>2021</b> , 602, 126769		2
74	Durability and mechanical performance of pure/chelated superabsorbent polymer (SAP/SAPC) added mortar in cold region. <b>2021</b> , 44, 102982		2
73	The deformation and microstructure characteristics of expansive soil under freezethaw cycles with loads. <i>Cold Regions Science and Technology</i> , <b>2021</b> , 192, 103393	3.8	2
72	Biodegradable and active polymeric matrices reinforced with silver-titania nanoparticles for state-of-the-art technology of food packaging. <b>2022</b> , 75-89		
71	Deformation and Vertical Permeability Variations Induced by Freeze-Thaw Cycles in Over-Consolidated Silty Clays. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 985-992	0.3	
70	Geotechnical Hazards Caused by Freezing-Thawing Processes Induced by Borehole Heat Exchangers. <i>Lecture Notes in Civil Engineering</i> , <b>2020</b> , 529-536	0.3	1
69	Measured and Predicted Durability and Mechanical Properties of Frozen-Thawed Fine Soils. <i>KSCE Journal of Civil Engineering</i> , <b>2020</b> , 24, 740-751	1.9	4
68	Measurement and evaluation of soft soil strength development during freeze-thaw process based on electromechanical impedance technique. <b>2021</b> , 32, 025113		2
67	Effect of Repeated Wetting-Drying-Freezing-Thawing Cycles on the Mechanic Properties and Pore Characteristics of Compacted Loess. <b>2020</b> , 2020, 1-8		3
66	The effects of polymers and fly ash on unconfined compressive strength and freeze-thaw behavior of loose saturated sand. <b>2015</b> , 8, 361-375		5
65	A novel modeling of settlement of foundations in permafrost regions. <b>2016</b> , 10, 225-245		21
64	Hydraulic Conductivity and Strength Characteristics of Self Recovering Sustainable Liner (SRSL) as a Landfill Final Cover. <b>2011</b> , 27, 5-15		
63	Characteristics of Chicago Blue Clay Subjected to a Freezellhaw Cycle. <b>2013</b> , 1-11		O
62	A Modified Freeze-Thaw Laboratory Test for Pavement Sub Soils Affected by De-icing Chemicals. <b>2015</b> , 243-247		
61	Experimental Study on Creep Behavior for Thawed Saturated Clay. 2018, 1385-1389		
60	Testing and Evaluation on Dynamic Response of a New Modified Soil Subgrade under Freeze-Thaw Cycles. <b>2021</b> , 49, 20180635		1
59	The effect of adding polypropylene fibers on the freeze-thaw cycle durability of lignosulfonate stabilised clayey sand. <i>Cold Regions Science and Technology</i> , <b>2021</b> , 193, 103418	3.8	О

58	Benefit Evaluation Model of Prefabricated Buildings in Seasonally Frozen Regions. <b>2021</b> , 14, 7119		1
57	Effects of freeze-thaw cycles on the erodibility and microstructure of soda-saline loessal soil in Northeastern China. <b>2022</b> , 209, 105812		4
56	Introduction. <b>2020</b> , 1-11		
55	Freeze-thaw behavior of calcium carbide residue-plant ash stabilized marine soft clay. <i>Cold Regions Science and Technology</i> , <b>2021</b> , 193, 103432	3.8	О
54	Robust Extraction of Digital Terrain Information from Noisy Point Clouds <b>P</b> revention of Surface Discharges into Water Infrastructure Networks. <b>2020</b> ,		
53	Effect of Flash Flood and Weather Changes on Unconfined Compressive Strength of Cement- and Fly Ash-Stabilized Black Cotton Soil Used as Road Materials. 1		
52	A review of genetic classification and characteristics of soil cracks. <b>2021</b> , 13, 1509-1522		0
51	Dynamic behavior of thawed saturated saline silt subjected to freeze-thaw cycles. <i>Cold Regions Science and Technology</i> , <b>2022</b> , 194, 103464	3.8	O
50	Investigation of Salt-Frost Heaving Rules and Mechanical Properties of Chlorite Saline Soil along the Duku Highway under Freezing-Thawing Action. <b>2022</b> , 2022, 1-12		
49	Research method of pressure relief and permeability enhancement in low permeability coal seam: A review. <b>2022</b> , 12, 010702		O
48	Structural, volumetric and water retention behaviors of a compacted clay upon saline intrusion and freeze-thaw cycles. <b>2022</b> ,		2
47	Investigation of Thermally and Mechanically Balanced Structural Design of Insulated Pavements for Cold Region Applications. <b>2022</b> , 148,		1
46	Effects of FreezeThaw Cycles on the Mechanical Properties of the Core-Wall Contact Clay of a Dam. 1		
45	Micro-scale frost-weathering simulation <b>C</b> hanges in grain-size composition and influencing factors. <b>2022</b> , 212, 106106		1
44	Stability of the Foundation of Buried Energy Pipeline in Permafrost Region. 2021, 2021, 1-18		8
43	Pore-scale study on the characteristic hydraulic conductivity of a dispersive lean clay affected by salinity and freezethaw. <b>2022</b> , 81, 1		O
42	Hydro-thermal characteristics and deformation behaviors of silty clay subjected to freeze <b>t</b> haw cycles. <b>2022</b> , 15, 1		О
41	Evaluation of the effect of waste zeolite on the strength and micro-macrostructure of a high plasticity clayey soil stabilized with lime-waste zeolite mixtures subjected to freezingthawing cycles. <b>2022</b> , 15, 1		O

40	Investigating the Frost Action in Soils. 2022,		1
39	Effect of freezelhaw cycles on volumetric and water retention property of a clay under three compaction conditions. 2022, 15, 1		1
38	A minimally invasive method for reinforcing the karez tunnel in Turpan based on the high mole ratio potassium silicate. <b>2022</b> , 81, 1		0
37	Subgrade Seasonal Variation Detection through Field Instrumentation in Central New York. 2022,		
36	Effects of Freeze-Thaw Cycles on Strength and Wave Velocity of Lime-Stabilized Basalt Fiber-Reinforced Loess <i>Polymers</i> , <b>2022</b> , 14,	4.5	2
35	Synthesis of physical processes of permafrost degradation and geophysical and geomechanical properties of permafrost. <i>Cold Regions Science and Technology</i> , <b>2022</b> , 198, 103522	3.8	O
34	A Study on Strength Behaviour of Seasonal Frozen Soils Stabilized with Cement and Wood Ash. <i>Lecture Notes in Civil Engineering</i> , <b>2022</b> , 93-105	0.3	
33	Influence of Dynamic Load on Soil Moisture Field in the Process of Freeze-Thaw Cycles. <i>Advances in Materials Science and Engineering</i> , <b>2021</b> , 2021, 1-13	1.5	
32	A framework for constructing elasto-plastic constitutive models for frozen and unfrozen soils. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2022</b> , 46, 436-466	4	O
31	Effects of MgO Nanoparticles on Dynamic Shear Modulus of Loess Subjected to Freeze-thaw Cycles. <i>Journal of Materials Research and Technology</i> , <b>2022</b> ,	5.5	1
30	Mechanism of shear strength deterioration of soil-rock mixture after freezethaw cycles. <i>Cold Regions Science and Technology</i> , <b>2022</b> , 103585	3.8	O
29	Permeability analysis of a frozen unsaturated soil using Van Genuchten model and Fredlund-Xing model in soil vision. <i>AIP Conference Proceedings</i> , <b>2022</b> ,	Ο	
28	Volumetric behavior of an unsaturated clayey soil-rock mixture subjected to freeze-thaw cycles: A new insight. <i>Cold Regions Science and Technology</i> , <b>2022</b> , 201, 103608	3.8	O
27	Effect of Freeze-Thaw Cycles on Dynamic Characteristics of Undisturbed Silty Clay. <i>KSCE Journal of Civil Engineering</i> ,	1.9	O
26	Rinikerfeld Palaeolake (Northern Switzerland) 🗈 sedimentary archive of landscape and climate change during the penultimate glacial cycle.		
25	The effect of freeze and thaw cycles on the dynamic properties of fine-grained soil stabilized with nanocement. 1-13		
24	Effects of soil structure on cyclic freeze-thaw induced volumetric behaviour using a modified double-cell triaxial system. <b>2022</b> , 203, 103648		
23	Freezing and thawing cycles. 2022,		O

22	The influence of freezethaw cycles on the mechanical properties of paleosols: based on a multiscale research. <b>2022</b> , 102, 755-765	0
21	Eco-geotechnics for human sustainability.	O
20	How Do FreezeThaw Cycles Affect the Soil Pore Structure in Alpine Meadows Considering Soil Aggregate and Soil Column Scales?.	O
19	An improved model assessing variation characteristics of pore structure of sandy soil thawing from extremely low temperature using NMR technique. <b>2022</b> , 103717	O
18	Experimental study on progressive deformation and failure mode of loess fill slopes under freeze-thaw cycles and earthquakes. <b>2022</b> , 310, 106896	1
17	Long-term and immediate effects of freezethaw cycles on the resilient modulus of treated expansive subgrades. 1-14	1
16	Experimental Investigation of Shear Strength of Carbonate Saline Soil under Freeze-Thaw Cycles. <b>2022</b> , 13, 2063	1
15	Effect of freeze-thaw cycles on mechanical behavior of clay-gravel mixtures. 2022, 19, 3615-3626	O
14	Effect of Freezellhaw Cycles on Consolidation Behavior of Two Plastic Fine Soils.	O
13	Solik klim Blgelerinde lice Taneli Zeminlerin Fiziksel ve Mekanik Davran li licelenmesi. 487-501	O
12	Dynamic mechanical characteristics of frozen subgrade soil subjected to freeze-thaw cycles. <b>2023</b> , 20, 242-255	О
11	Experimental study on the hydro-thermal-deformation characteristics of cement-stabilized soil exposed to freezethaw cycles. 10,	O
10	Experimental study on the deterioration characteristics of the remolded loess with Na2SO4 under freezing-thawing cycles. <b>2023</b> , 210, 103818	O
9	Comparative study of different materials for insulated pavement in cold regions. <b>2023</b> , 210, 103851	O
8	The effect of nano-gelcoat on freeze-thaw resistance of glass fiber-reinforced polymer composite for marine applications. <b>2023</b> , 269, 113589	1
7	Experimental investigation of the mechanical properties of hydrophobic polymer-modified soil subjected to freezethaw cycles.	O
6	Effects of freezethaw cycles on the shear stress induced on the cemented sandfitructure interface. <b>2023</b> , 371, 130671	О
5	Effects of Freeze-Thaw Cycles on Permeability Behavior and Desiccation Cracking of Dalian Red Clay in China Considering Saline Intrusion. <b>2023</b> , 15, 3858	O

### CITATION REPORT

4	The Mechanical Properties of Lean Clay Filler under Freeze-thaw and Thermostatic Curing Cycles in Loess Plateau. <b>2023</b> , 27, 1470-1479	О
3	Frost Susceptibility Evaluation of Clay and Sandy Soils. <b>2023</b> ,	O
2	Effect of Freezing-Thawing on Preconsolidation Pressure. 2023,	О
1	Swelling and flow of expanding clays as a cause for non-tectonic deformations in a glacialInterglacial environment: Holy Cross Mountains, Poland.	О