Strain rate effect on the compressive strength of frozen

Engineering Geology

13, 223-231

DOI: 10.1016/0013-7952(79)90034-6

Citation Report

#	Article	IF	Citations
1	The Shear Strength Characteristics of Frozen Coarse Granular Debris. Journal of Glaciology, 1984, 30, 348-357.	2.2	42
2	Time effects on the unconfined compressive strength and sensitivity of a clay. Engineering Geology, 1991, 31, 345-351.	6.3	7
3	Behavior of Ice/Rock Mixtures on Slopes. , 2002, , 683.		0
4	Triaxial constant stress and constant strain rate tests on ice-rich permafrost samples. Canadian Geotechnical Journal, 2005, 42, 412-430.	2.8	133
5	Permafrost creep and rock glacier dynamics. Permafrost and Periglacial Processes, 2006, 17, 189-214.	3.4	381
6	Study on strength of artificially frozen soils in deep alluvium. Tunnelling and Underground Space Technology, 2008, 23, 381-388.	6.2	19
7	Arctic coastal retreat through block failure. Canadian Geotechnical Journal, 2009, 46, 1103-1115.	2.8	76
9	Experimental study on mechanical properties of gas hydrate-bearing sediments using kaolin clay. China Ocean Engineering, 2011, 25, 113-122.	1.6	72
10	A Preliminary Analysis of Main Factors Affecting Stress-Strain Behaviors of Frozen Soil with High Water Content. Applied Mechanics and Materials, 0, 204-208, 128-134.	0.2	0
11	Analysis of Laterally Loaded Piles in Frozen Soils. , 2012, , .		5
12	Mechanical Behavior of Deep-Frozen Bulk Solids at Compression. Chemical Engineering and Technology, 2014, 37, 827-832.	1.5	0
13	Materialverhalten tiefgefrorener SchÃ¼ttgÃ¼ter bei Druckbeanspruchung. Chemie-Ingenieur-Technik, 2014, 86, 347-353.	0.8	0
14	Deformation of debris-ice mixtures. Reviews of Geophysics, 2014, 52, 435-467.	23.0	82
15	Shear Behavior of Frozen Rock-Soil Mixture. Advances in Materials Science and Engineering, 2016, 2016, 1-8.	1.8	4
16	Constitutive model for rate-independent behavior of saturated frozen soils. Canadian Geotechnical Journal, 2016, 53, 1646-1657.	2.8	77
17	Experimental study on the mechanical properties of sediments containing CH4 and CO2 hydrate mixtures. Journal of Natural Gas Science and Engineering, 2016, 32, 20-27.	4.4	35
18	Strength properties of ice-rich frozen silty sands under uniaxial compression for a wide range of strain rates and moisture contents. Cold Regions Science and Technology, 2016, 123, 107-113.	3.5	25
19	A non-linear constitutive model for describing the mechanical behaviour of frozen ground and permafrost. Cold Regions Science and Technology, 2017, 133, 63-69.	3.5	28

#	Article	IF	Citations
20	An easy and efficient way to evaluate mechanical properties of gas hydrate-bearing sediments: The direct shear test. Journal of Petroleum Science and Engineering, 2017, 149, 56-64.	4.2	71
21	Hydraulic fracturing in a penny-shaped crack. Part I: Methodology and testing of frozen sand. Journal of Natural Gas Science and Engineering, 2018, 52, 609-618.	4.4	39
22	A multiscale homogenization model for strength predictions of fully and partially frozen soils. Acta Geotechnica, 2018, 13, 175-193.	5.7	21
24	Revisiting parameters that dictate the mechanical behavior of frozen soils. Cold Regions Science and Technology, 2019, 163, 34-43.	3.5	12
25	A frozen soil rate dependent model with time related parabolic strength envelope. Cold Regions Science and Technology, 2019, 159, 40-46.	3.5	9
26	On the uniaxial compression strength of frozen gravelly soils. Cold Regions Science and Technology, 2020, 171, 102965.	3.5	8
27	Effects of frozen water content and silt fraction on unconfined compressive behavior of fill materials. Construction and Building Materials, 2021, 266, 120912.	7.2	7
28	Pile-soil interface characteristics in ice-poor frozen ground under varying exposure temperature. Cold Regions Science and Technology, 2021, 191, 103377.	3.5	17
29	The Shear Strength Characteristics of Frozen Coarse Granular Debris. Journal of Glaciology, 1984, 30, 348-357.	2.2	49
30	Experimental Analysis on the Mechanical Properties of Saturated Silty Mudstone under Frozen Conditions. Journal of Testing and Evaluation, 2019, 47, 188-202.	0.7	5
31	Pore-water pressure development in a frozen saline clay under isotropic loading and undrained shearing. Acta Geotechnica, 2021, 16, 3831-3847.	5.7	9
32	Bayesian Neural Network for Estimating Stress-Strain Behaviors of Frozen Sand. KSCE Journal of Civil Engineering, 2022, 26, 933-941.	1.9	3
33	Shear Strength Characteristics of Frozen Fine Sands under Direct Shear Testing Conditions. International Journal of Geomechanics, 2022, 22, .	2.7	5
34	Experimental Study on the Characteristics of the Failure Strain Energy Density of Undisturbed Ice-Rich Frozen Clay. Atmosphere, 2023, 14, 203.	2.3	0
35	Failure of partially saturated frozen soils: A micromechanical analysis. Cold Regions Science and Technology, 2023, 210, 103842.	3.5	1