

Xiang-tian Xu

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

497
citations

933447

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1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

234
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of temperature and strain rate on mechanical characteristics and constitutive model of frozen Helin loess. <i>Cold Regions Science and Technology</i> , 2017, 136, 44-51.	3.5	123
2	An experimental investigation of the mechanical behavior and a hyperplastic constitutive model of frozen loess. <i>International Journal of Engineering Science</i> , 2014, 84, 29-53.	5.0	102
3	Comparative studies on mechanical behavior of frozen natural saline silty sand and frozen desalted silty sand. <i>Cold Regions Science and Technology</i> , 2016, 132, 81-88.	3.5	60
4	Laboratory observation and analysis of frost heave progression in clay from the Qinghai-Tibet Plateau. <i>Applied Thermal Engineering</i> , 2018, 131, 381-389.	6.0	52
5	Effects of sodium sulfate content on mechanical behavior of frozen silty sand considering concentration of saline solution. <i>Results in Physics</i> , 2016, 6, 1000-1007.	4.1	43
6	Effects of temperature, dry density and water content on the thermal conductivity of Genhe silty clay. <i>Results in Physics</i> , 2020, 16, 102830.	4.1	28
7	An implicit Heat-Pulse-Probe method for measuring the soil ice content. <i>Applied Thermal Engineering</i> , 2021, 196, 117186.	6.0	21
8	An evaluation of soil thermal conductivity models based on the porosity and degree of saturation and a proposal of a new improved model. <i>International Communications in Heat and Mass Transfer</i> , 2021, 129, 105738.	5.6	21
9	Investigation of unsaturated frozen soil behavior: Phase transformation state, post-peak strength, and dilatancy. <i>Soils and Foundations</i> , 2018, 58, 928-940.	3.1	17
10	Influence of snow cover on temperature field of frozen ground. <i>Cold Regions Science and Technology</i> , 2021, 192, 103402.	3.5	12
11	Measuring and modeling the dielectric constant of soil during freezing and thawing processes: an application on silty clay. <i>Acta Geotechnica</i> , 0, , 1.	5.7	9
12	Moisture migration in the Qinghai-Tibet silty clay within an added quartz sand layer under one-dimensional freezing. <i>Cold Regions Science and Technology</i> , 2022, 202, 103627.	3.5	5
13	Variations of suction and suction stress of unsaturated loess due to changes in lignin content and sample preparation method. <i>Journal of Mountain Science</i> , 2021, 18, 2168-2183.	2.0	4
14	Experimental Investigation on the Behavior of Iron Powder-Reinforced Sand under Electromagnetic Field. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-15.	1.8	0