Xiang-tian Xu

List of Publications by Year
in descending order

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14	497	933447 10	1199594 12
papers	citations	h-index	g-index

14	14	14	234
all docs	docs citations	times ranked	citing authors

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