Jian Xu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8008578/publications.pdf

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28	1,066	394286	526166
papers	citations	19 h-index	27 g-index

29	29	29	637
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strength deterioration mechanism of bentonite modified loess after wettingâ€“drying cycles. Scientific Reports, 2022, 12, 3130.	1.6	8
2	Influence of dry-wet cycles on the strength behavior of basalt-fiber reinforced loess. Engineering Geology, 2022, 302, 106645.	2.9	42
3	Shear Strength and Mesoscopic Characteristics of Basalt Fiberâ€“Reinforced Loess after Dryâ€“Wet Cycles. Journal of Materials in Civil Engineering, 2022, 34, .	1.3	33
4	Disturbed State Conceptâ€“Based Model for the Uniaxial Strain-Softening Behavior of Fiber-Reinforced Soil. International Journal of Geomechanics, 2022, 22, .	1.3	38
5	Influence of freeze-thaw cycles on microstructure and hydraulic conductivity of saline intact loess. Cold Regions Science and Technology, 2021, 181, 103183.	1.6	62
6	Stress-Controlled Direct Shear Tests of Straw Fiber Reinforced Loess. Sustainable Civil Infrastructures, 2021, , 130-162.	0.1	0
7	Permeability and Microstructure of a Saline Intact Loess after Dry-Wet Cycles. Advances in Civil Engineering, 2021, 2021, 1-18.	0.4	8
8	Study on Strength Behavior of Basalt Fiber-Reinforced Loess by Digital Image Technology (DIT) and Scanning Electron Microscope (SEM). Arabian Journal for Science and Engineering, 2021, 46, 11319-11338.	1.7	43
9	Triaxial Shear Behavior of Basalt Fiber-Reinforced Loess Based on Digital Image Technology. KSCE Journal of Civil Engineering, 2021, 25, 3714-3726.	0.9	37
10	Modeling of coupled transfer of water, heat and solute in saline loess considering sodium sulfate crystallization. Cold Regions Science and Technology, 2021, 189, 103335.	1.6	81
11	Cement-Improved Wetting Resistance of Coarse Saline Soils in Northwest China. Journal of Testing and Evaluation, 2021, 49, 20180533.	0.4	3
12	Heat, water and solute transfer in saline loess under uniaxial freezing condition. Computers and Geotechnics, 2020, 118, 103319.	2.3	42
13	Shear strength and mesoscopic character of undisturbed loess with sodium sulfate after dry-wet cycling. Bulletin of Engineering Geology and the Environment, 2020, 79, 1523-1541.	1.6	54
14	Recent massive incidents for subway construction in soft alluvial deposits of Taiwan: A review. Tunnelling and Underground Space Technology, 2020, 96, 103178.	3.0	67
15	Effect of freeze-thaw on freezing point of a saline loess. Cold Regions Science and Technology, 2020, 170, 102922.	1.6	33
16	Damage of saline intact loess after dry-wet and its interpretation based on SEM and NMR. Soils and Foundations, 2020, 60, 911-928.	1.3	54
17	Modeling of wetting deformation of coarse saline soil with an improved von Wolffersdorff model. Bulletin of Engineering Geology and the Environment, 2020, 79, 4783-4804.	1.6	4
18	Effect of freeze-thaw on freezing point and thermal conductivity of loess. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	14

#	Article	IF	Citations
19	Shear strength and damage mechanism of saline intact loess after freeze-thaw cycling. Cold Regions Science and Technology, 2019, 164, 102779.	1.6	69
20	Shear Strength Behavior of Coarse-Grained Saline Soils after Freeze-Thaw. KSCE Journal of Civil Engineering, 2019, 23, 2437-2452.	0.9	32
21	Using Post-Harvest Waste to Improve Shearing Behaviour of Loess and Its Validation by Multiscale Direct Shear Tests. Applied Sciences (Switzerland), 2019, 9, 5206.	1.3	16
22	Hydraulic conductivity of geosynthetic clay liners to inorganic waste leachate. Applied Clay Science, 2019, 168, 244-248.	2.6	28
23	Strength behaviors and meso-structural characters of loess after freeze-thaw. Cold Regions Science and Technology, 2018, 148, 104-120.	1.6	84
24	Heat transfer and water migration in loess slopes during freezeâ€“thaw cycling in Northern Shaanxi, China. International Journal of Civil Engineering, 2018, 16, 1591-1605.	0.9	14
25	Mechanism of slope failure in loess terrains during spring thawing. Journal of Mountain Science, 2018, 15, 845-858.	0.8	27
26	Study on the strength and deformation property of frozen silty sand with NaCl under tri-axial compression condition. Cold Regions Science and Technology, 2017, 137, 7-16.	1.6	11
27	Effect of structures and sunnyâ€“shady slopes on thermal characteristics of subgrade along the Harbinâ€“Dalian Passenger Dedicated Line in Northeast China. Cold Regions Science and Technology, 2016, 123, 14-21.	1.6	66
28	Thermal regime of a thermokarst lake and its influence on permafrost, Beiluhe Basin, Qinghaiâ€Tibet Plateau. Permafrost and Periglacial Processes, 2010, 21, 315-324.	1.5	96