

Aiping Cheng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7588748/publications.pdf>

Version: 2024-02-01

12
papers

526
citations

1039880

9
h-index

1199470

12
g-index

12
all docs

12
docs citations

12
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	A statistical damage constitutive model under freeze-thaw and loading for rock and its engineering application. Cold Regions Science and Technology, 2018, 145, 142-150.	1.6	165
2	A fully coupled thermo-hydro-mechanical model including the determination of coupling parameters for freezing rock. International Journal of Rock Mechanics and Minings Sciences, 2018, 103, 205-214.	2.6	71
3	Frost heaving and frost cracking of elliptical cavities (fractures) in low-permeability rock. Engineering Geology, 2018, 234, 1-10.	2.9	71
4	Freezing Strain Model for Estimating the Unfrozen Water Content of Saturated Rock under Low Temperature. International Journal of Geomechanics, 2018, 18, .	1.3	71
5	Theoretical and experimental study of the frost heaving characteristics of the saturated sandstone under low temperature. Cold Regions Science and Technology, 2020, 174, 103036.	1.6	41
6	Two-phase flow properties in aperture-based fractures under normal deformation conditions: Analytical approach and numerical simulation. Journal of Hydrology, 2017, 545, 72-87.	2.3	36
7	Pore structure change and physico-mechanical properties deterioration of sandstone suffering freeze-thaw actions. Construction and Building Materials, 2022, 330, 127200.	3.2	36
8	The Parabolic Variational Inequalities for Variably Saturated Water Flow in Heterogeneous Fracture Networks. Geofluids, 2018, 2018, 1-16.	0.3	14
9	Analytical relationships between normal stress and fluid flow for single fractures based on the two-part Hooke's model. Journal of Hydrology, 2022, 608, 127633.	2.3	11
10	A one-dimensional line element model for transient free surface flow in porous media. Applied Mathematics and Computation, 2021, 392, 125747.	1.4	8
11	Closure to "Freezing Strain Model for Estimating the Unfrozen Water Content of Saturated Rock under Low Temperature" by Shibing Huang, Quansheng Liu, Yanzhang Liu, Zuyang Ye, and Aiping Cheng. International Journal of Geomechanics, 2019, 19, 07019002.	1.3	1
12	A Fractal Model for Predicting the Relative Permeability of Rough-Walled Fractures. Advances in Civil Engineering, 2021, 2021, 1-10.	0.4	1