

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