

Xian-Shan Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of Contact Areas on Seepage Behavior in Rough Fractures under Normal Stress. International Journal of Geomechanics, 2022, 22, .	2.7	11
2	Effect of Thermal Treatment on the Physical and Mechanical Properties of Sandstone: Insights from Experiments and Simulations. Rock Mechanics and Rock Engineering, 2022, 55, 3171-3194.	5.4	17
3	Machine learning approaches to rock fracture mechanics problems: Mode-I fracture toughness determination. Engineering Fracture Mechanics, 2021, 253, 107890.	4.3	38
4	Experimental and numerical investigation of the failure mechanism and permeability evolution of sandstone based on hydro-mechanical coupling. Journal of Natural Gas Science and Engineering, 2021, 95, 104240.	4.4	18
5	Investigation on Nonlinear Flow Behavior through Rock Rough Fractures Based on Experiments and Proposed 3-Dimensional Numerical Simulation. Geofluids, 2020, 2020, 1-34.	0.7	3
6	Permeability of the Hydrated Shale under Cyclic Loading and Unloading Conditions. Geofluids, 2020, 2020, 1-16.	0.7	2
7	The Thermal Effect on the Physical Properties and Corresponding Permeability Evolution of the Heat-Treated Sandstones. Geofluids, 2020, 2020, 1-16.	0.7	5
8	Joints and confining stress influencing on rock fragmentation with double disc cutters in the mixed ground. Tunnelling and Underground Space Technology, 2019, 83, 461-474.	6.2	22
9	Mechanism of Permeability Evolution for Reservoir Sandstone with Different Physical Properties. Geofluids, 2018, 2018, 1-16.	0.7	10
10	The Unsaturated Hydromechanical Coupling Model of Rock Slope Considering Rainfall Infiltration Using DDA. Geofluids, 2017, 2017, 1-15.	0.7	8
11	Experimental Study on Artificial Cemented Sand Prepared with Ordinary Portland Cement with Different Contents. Materials, 2015, 8, 3960-3974.	2.9	22
12	Study on Deformation Characteristics of Deep Foundation Excavation in Soft-Soil and the Response of Different Retaining Configurations. Geotechnical and Geological Engineering, 2012, 30, 313-329.	1.7	6
13	Three Dimensional Numerical Analysis of Underground Bifurcated Tunnel. Geotechnical and Geological Engineering, 2010, 28, 447-455.	1.7	7