

Xian-Shan Liu

List of Publications by Year in descending order

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13
papers

169
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1163117

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14
times ranked

114
citing authors

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