

Xiangjian Dong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2825901/publications.pdf>

Version: 2024-02-01

17
papers

488
citations

840119

11
h-index

887659

17
g-index

18
all docs

18
docs citations

18
times ranked

406
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Intelligent Mining for Backfill: A genetic programming-based method for strength forecasting of cemented paste backfill. <i>Minerals Engineering</i> , 2019, 133, 69-79.	1.8	84
2	Constitutive modelling of cemented paste backfill: A data-mining approach. <i>Construction and Building Materials</i> , 2019, 197, 262-270.	3.2	69
3	Prediction of dynamic increase factor for steel fibre reinforced concrete using a hybrid artificial intelligence model. <i>Engineering Structures</i> , 2019, 189, 309-318.	2.6	58
4	Pressure drops of fresh cemented paste backfills through coupled test loop experiments and machine learning techniques. <i>Powder Technology</i> , 2020, 361, 748-758.	2.1	47
5	Numerical simulation study on macroscopic mechanical behaviors and micro-motion characteristics of gangues under triaxial compression. <i>Powder Technology</i> , 2017, 320, 668-684.	2.1	43
6	Analytical solution of energy redistribution in rectangular openings upon in-situ rock mass alteration. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018, 106, 74-83.	2.6	34
7	Shaft failure characteristics and the control effects of backfill body compression ratio at ultra-contiguous coal seams mining. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	33
8	Energy Dissipation and Storage in Underground Mining Operations. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 229-245.	2.6	33
9	Analytical solution for stress distribution around deep lined pressure tunnels under the water table. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019, 123, 104124.	2.6	25
10	Limit analysis for the seismic stability of three-dimensional rock slopes using the generalized Hoek-Brown criterion. <i>International Journal of Mining Science and Technology</i> , 2022, 32, 237-245.	4.6	19
11	Risk assessment and prevention of surface subsidence in deep multiple coal seam mining under dense above-ground buildings: Case study. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 1579-1593.	1.7	15
12	3D bolted cohesive element for the modelling of bolt-reinforced rough rock-shotcrete interfaces. <i>Computers and Geotechnics</i> , 2020, 125, 103659.	2.3	8
13	Closed-Form Solution to the Poromechanics of Deep Arbitrary-Shaped Openings Subjected to Rock Mass Alteration. <i>International Journal of Geomechanics</i> , 2020, 20, .	1.3	5
14	Analytical Solution for Stress Distribution around Arbitrary Stopes Using Evolutionary Complex Variable Methods. <i>International Journal of Geomechanics</i> , 2019, 19, .	1.3	4
15	The critical behaviour of finite thickness lining systems in tunnels. <i>European Journal of Environmental and Civil Engineering</i> , 2020, , 1-18.	1.0	4
16	Experimental study on the mechanical properties of polymer-treated tailings. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	4
17	Coal permeability alteration prediction during CO ₂ geological sequestration in coal seams: a novel hybrid artificial intelligence approach. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2022, 8, .	1.3	3