Mikael Rinne

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7103126/publications.pdf

Version: 2024-02-01

35	656	516215	610482
papers	citations	16	24
		h-index	g-index

36	36	36	566
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Industry Survey on the Current State of Stope Design Methods in the Underground Mining Sector. Energies, 2022, 15, 240.	1.6	7
2	Photogrammetric Method to Determine Physical Aperture and Roughness of a Rock Fracture. Sensors, 2022, 22, 4165.	2.1	10
3	Photogrammetric Prediction of Rock Fracture Properties and Validation with Metric Shear Tests. Geosciences (Switzerland), 2021, 11, 293.	1.0	5
4	Modelling Rock Fracturing Processes with FRACOD. , 2020, , 105-134.		3
5	FRACOD Applications in Nuclear Waste Disposal. , 2020, , 347-360.		0
6	Simulation of the interactions between hydraulic and natural fractures using a fracture mechanics approach. Journal of Rock Mechanics and Geotechnical Engineering, 2019, 11, 1138-1150.	3.7	36
7	Dust emission from crushing of hard rock aggregates. Atmospheric Pollution Research, 2019, 10, 656-664.	1.8	16
8	A review of dust emission dispersions in rock aggregate and natural stone quarries. International Journal of Mining, Reclamation and Environment, 2018, 32, 196-220.	1.2	25
9	In Situ Experiment and Numerical Model Validation of a Borehole Heat Exchanger in Shallow Hard Crystalline Rock. Energies, 2018, 11, 963.	1.6	8
10	Numerical Thermal Back-calculation of the Kerava Solar Village Underground Thermal Energy Storage. Procedia Engineering, 2017, 191, 352-360.	1.2	6
11	Pull Experiment to Validate Photogrammetrically Predicted Friction Angle of Rock Discontinuities. Procedia Engineering, 2017, 191, 378-385.	1.2	4
12	Geotechnical Risk Management Concept for Intelligent Deep Mines. Procedia Engineering, 2017, 191, 361-368.	1.2	22
13	Two-dimensional displacement discontinuity method for transversely isotropic materials. International Journal of Rock Mechanics and Minings Sciences, 2016, 83, 218-230.	2.6	12
14	Geotechnical Risk Classification for Underground Mines / Klasyfikacja Poziomu ZagroÅ¼enia Geotechnicznego W Kopalniach Podziemnych. Archives of Mining Sciences, 2015, 60, 51-61.	0.6	3
15	Research on modelling of spatial dynamic structural mechanics and spatio-temporal evolution of coal mine stopes. Tehnicki Vjesnik, 2015, 22, 607-613.	0.3	11
16	An Approach to Realizing Process Control for Underground Mining Operations of Mobile Machines. PLoS ONE, 2015, 10, e0129572.	1.1	3
17	Modelling Fracture Propagation in Anisotropic Rock Mass. Rock Mechanics and Rock Engineering, 2015, 48, 1067-1081.	2.6	41
18	Fracture Mechanics Modelling of an In Situ Concrete Spalling Experiment. Rock Mechanics and Rock Engineering, 2015, 48, 1423-1438.	2.6	9

#	Article	IF	Citations
19	Intelligent Scheduling for Underground Mobile Mining Equipment. PLoS ONE, 2015, 10, e0131003.	1.1	22
20	Uncertainty determination in rock mass classification when using FRMR Software. Journal of the South African Institute of Mining and Metallurgy, 2015, 115, 1073-1082.	0.5	2
21	Guidelines to design the scope of a geotechnical risk assessment for underground mines. Journal of Mining Science, 2014, 50, 745-756.	0.1	10
22	Modelling Rock Fracturing Processes. , 2014, , .		33
23	A three-dimensional crack growth simulator with displacement discontinuity method. Engineering Analysis With Boundary Elements, 2014, 48, 73-86.	2.0	33
24	Application Case Studies. , 2014, , 123-169.		0
25	Multi-Region Boundary Element Analysis for Coupled Thermal-Fracturing Processes in Geomaterials. Rock Mechanics and Rock Engineering, 2013, 46, 135-151.	2.6	23
26	Modelling fracture propagation and failure in a rock pillar under mechanical and thermal loadings. Journal of Rock Mechanics and Geotechnical Engineering, 2013, 5, 73-83.	3.7	17
27	Coupling Rock-Fracture Propagation with Thermal Stress and Fluid Flow. International Journal of Geomechanics, 2013, 13, 794-808.	1.3	21
28	Risk and mitigation of self-heating and spontaneous combustion in underground coal storage. Journal of Loss Prevention in the Process Industries, 2012, 25, 617-622.	1.7	36
29	FRACOD Modeling of Rock Fracturing and Permeability Change in Excavation-Damaged Zones. International Journal of Geomechanics, 2011, 11, 302-313.	1.3	30
30	A multiple-code simulation study of the long-term EDZ evolution of geological nuclear waste repositories. Environmental Geology, 2009, 57, 1313-1324.	1.2	42
31	Characterising and modelling the excavation damaged zone in crystalline rock in the context of radioactive waste disposal. Environmental Geology, 2009, 57, 1275-1297.	1.2	81
32	Numerical modelling of uniaxial compressive failure of granite with and without saline porewater. International Journal of Rock Mechanics and Minings Sciences, 2008, 45, 1126-1142.	2.6	44
33	The On-Going Pillar Stability Experiment at the Ã„spÃ¶ Hard Rock Laboratory, Sweden. Elsevier Geo-Engineering Book Series, 2004, 2, 389-394.	0.0	5
34	Thermo-Mechanical Simulations of Pillar Spalling in SKB APSE Test by FRACOD. Elsevier Geo-Engineering Book Series, 2004, , 425-430.	0.0	5
35	Simulation of Borehole Breakouts Using Fracod2d. Oil and Gas Science and Technology, 2002, 57, 579-590.	1.4	31