Philipp Hartlieb

List of Publications by Year
in descending order

25	977	643344 15	651938 25
papers	citations	h-index	g-index

27	27	27	531
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Confinement on Detonation Velocity and Plate Dent Test Results for ANFO Explosive. Energies, 2022, 15, 4404.	1.6	3
2	Pangea: An MLOps Tool for Automatically Generating Infrastructure and Deploying Analytic Pipelines in Edge, Fog and Cloud Layers. Sensors, 2022, 22, 4425.	2.1	8
3	Blastability and Ore Grade Assessment from Drill Monitoring for Open Pit Applications. Rock Mechanics and Rock Engineering, 2021, 54, 3209-3228.	2.6	7
4	The environmental performance of mining operations: Comparison of alternative mining solutions in a life cycle perspective. Journal of Cleaner Production, 2021, 315, 128030.	4.6	2
5	Innovation in the Mining Industry: Technological Trends and a Case Study of the Challenges of Disruptive Innovation. Mining, Metallurgy and Exploration, 2020, 37, 1385-1399.	0.4	55
6	A comprehensive skills catalogue for the raw materials sector and the structure of raw materials education worldwide. Mining Technology: Transactions of the Institute of Mining and Metallurgy, 2020, 129, 82-94.	0.6	5
7	Laboratory Scaled Coal Dust Explosions and Physical Test Results for CFD Explosion Models. BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik, 2020, 165, 265-269.	0.4	3
8	Textural and Mineralogical Controls on Microwave-Induced Cracking in Granites. Rock Mechanics and Rock Engineering, 2020, 53, 4745-4765.	2.6	24
9	Market Analysis for Urban Mining of Phosphogypsum. BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik, 2019, 164, 245-249.	0.4	11
10	Economic Mining Method Evaluation for Separated Ore Lenses in Block 186â€¯at Boliden Tara Mines, Ireland, Using Deswik Software. BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik, 2019, 164, 241-244.	0.4	1
11	Fully-coupled simulations of thermally-induced cracking in pegmatite due to microwave irradiation. Journal of Rock Mechanics and Geotechnical Engineering, 2019, 11, 242-250.	3.7	37
12	Reaction of different rock types to low-power (3.2â€¯kW) microwave irradiation in a multimode cavity. Minerals Engineering, 2018, 118, 37-51.	1.8	55
13	Theoretical Investigations on the Influence of Artificially Altered Rock Mass Properties on Mechanical Excavation. Rock Mechanics and Rock Engineering, 2018, 51, 801-809.	2.6	10
14	Methods for Characterizing Cracks Induced in Rock. Rock Mechanics and Rock Engineering, 2018, 51, 2075-2093.	2.6	34
15	Evaluation of cutting forces in granite treated with microwaves on the basis of multiple linear regression analysis. International Journal of Rock Mechanics and Minings Sciences, 2018, 107, 69-74.	2.6	32
16	Experimental study on artificially induced crack patterns and their consequences on mechanical excavation processes. International Journal of Rock Mechanics and Minings Sciences, 2017, 100, 160-169.	2.6	46
17	Experimental Study on Microwave Assisted Hard Rock Cutting of Granite. BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik, 2017, 162, 77-81.	0.4	41
18	The Importance of Research on Alternative and Hybrid Rock Extraction Methods. BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik, 2017, 162, 58-66.	0.4	20

#	Article	IF	Citations
19	Numerical study of the influence of irradiation parameters on the microwave-induced stresses in granite. Minerals Engineering, 2017, 103-104, 78-92.	1.8	64
20	3D numerical study on microwave induced stresses in inhomogeneous hard rocks. Minerals Engineering, 2016, 90, 29-42.	1.8	65
21	Thermo-physical properties of selected hard rocks and their relation to microwave-assisted comminution. Minerals Engineering, 2016, 91, 34-41.	1.8	219
22	A MINERALOGICAL STUDY OF ROCK FRACTURE PATTERNS UNDER THERMAL LOADING. , 2016, , .		0
23	Microwave propagation and absorption and its thermo-mechanical consequences in heterogeneous rocks. International Journal of Mineral Processing, 2015, 135, 40-51.	2.6	72
24	Damage of basalt induced by microwave irradiation. Minerals Engineering, 2012, 31, 82-89.	1.8	86
25	Microwave heating of dry and water saturated basalt, granite and sandstone. International Journal of Mining and Mineral Engineering, 2010, 2, 18.	0.1	76