

Finn Ouchterlony

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

525
citations

840776

11
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

317
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Requirement for Rock Breakage in Laboratory Experiments and Engineering Operations: A Review. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 629-667.	5.4	22
2	The Influential Role of Powder Factor vs. Delay in Full-Scale Blasting: A Perspective Through the Fragment Size-Energy Fan. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 4209-4236.	5.4	10
3	Advances on the Fragmentation-Energy Fan Concept and the Swebrec Function in Modeling Drop Weight Testing. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1262.	2.0	4
4	Generation of fine fragments during dynamic propagation of pressurized cracks. <i>Physical Review E</i> , 2020, 101, 023002.	2.1	1
5	Internal Fractures After Blasting Confined Rock and Mortar Cylinders. <i>BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik</i> , 2019, 164, 422-430.	1.0	4
6	A review of development of better prediction equations for blast fragmentation. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2019, 11, 1094-1109.	8.1	46
7	Using Small-scale Blast Tests and Numerical Modelling to Trace the Origin of Fines Generated in Blasting. <i>BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik</i> , 2018, 163, 427-436.	1.0	4
8	Physical Origin of the Fine-Particle Problem in Blasting Fragmentation. <i>Physical Review Applied</i> , 2018, 10, .	3.8	6
9	The Fragmentation-Energy Fan Concept and the Swebrec Function in Modeling Drop Weight Testing. <i>Rock Mechanics and Rock Engineering</i> , 2018, 51, 3129-3156.	5.4	10
10	Percentile Fragment Size Predictions for Blasted Rock and the Fragmentationâ€“Energy Fan. <i>Rock Mechanics and Rock Engineering</i> , 2017, 50, 751-779.	5.4	24
11	A Distribution-Free Description of Fragmentation by Blasting Based on Dimensional Analysis. <i>Rock Mechanics and Rock Engineering</i> , 2017, 50, 781-806.	5.4	37
12	Reply to Discussion of â€œThe Case for the Median Fragment Size as a Better Fragment Size Descriptor than the Meanâ€“ by Finn Ouchterlony, <i>Rock Mech. Rock Eng.</i> , published online 15 March 2015. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 339-342.	5.4	2
13	The Case for the Median Fragment Size as a Better Fragment Size Descriptor than the Mean. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 143-164.	5.4	13
14	Size distribution functions for rock fragments. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2014, 71, 381-394.	5.8	48
15	Shock Wave Interactions in Rock Blasting: the Use of Short Delays to Improve Fragmentation in Model-Scale. <i>Rock Mechanics and Rock Engineering</i> , 2013, 46, 1-18.	5.4	75
16	Performance of some distributions to describe rock fragmentation data. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2012, 53, 18-31.	5.8	25
17	Fragmentation in small-scale confined blasting. <i>International Journal of Mining and Mineral Engineering</i> , 2011, 3, 72.	0.3	11
18	The SwebrecÂ© function: linking fragmentation by blasting and crushing. <i>Mining Technology: Transactions of the Institute of Materials, Minerals and Mining Section A</i> , 2005, 114, 29-44.	0.8	89

#	ARTICLE	IF	CITATIONS
19	Universal Dynamic Fragmentation in Dimensions. Physical Review Letters, 2004, 92, 245506.	7.8	84
20	The energy balance of production blasts at Nordkalk's Klinthagen quarry. , 2003, , 193-203.		9