

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	The Swebrec function: linking fragmentation by blasting and crushing. Mining Technology: Transactions of the Institute of Materials, Minerals and Mining Section A, 2005, 114, 29-44.	0.8	89
2	Universal Dynamic Fragmentation in 3 Dimensions. Physical Review Letters, 2004, 92, 245506.	7.8	84
3	Shock Wave Interactions in Rock Blasting: the Use of Short Delays to Improve Fragmentation in Model-Scale. Rock Mechanics and Rock Engineering, 2013, 46, 1-18.	5.4	75
4	Size distribution functions for rock fragments. International Journal of Rock Mechanics and Minings Sciences, 2014, 71, 381-394.	5.8	48
5	A review of development of better prediction equations for blast fragmentation. Journal of Rock Mechanics and Geotechnical Engineering, 2019, 11, 1094-1109.	8.1	46
6	A Distribution-Free Description of Fragmentation by Blasting Based on Dimensional Analysis. Rock Mechanics and Rock Engineering, 2017, 50, 781-806.	5.4	37
7	Performance of some distributions to describe rock fragmentation data. International Journal of Rock Mechanics and Minings Sciences, 2012, 53, 18-31.	5.8	25
8	Percentile Fragment Size Predictions for Blasted Rock and the Fragmentation Energy Fan. Rock Mechanics and Rock Engineering, 2017, 50, 751-779.	5.4	24
9	Energy Requirement for Rock Breakage in Laboratory Experiments and Engineering Operations: A Review. Rock Mechanics and Rock Engineering, 2022, 55, 629-667.	5.4	22
10	The Case for the Median Fragment Size as a Better Fragment Size Descriptor than the Mean. Rock Mechanics and Rock Engineering, 2016, 49, 143-164.	5.4	13
11	Fragmentation in small-scale confined blasting. International Journal of Mining and Mineral Engineering, 2011, 3, 72.	0.3	11
12	The Fragmentation-Energy Fan Concept and the Swebrec Function in Modeling Drop Weight Testing. Rock Mechanics and Rock Engineering, 2018, 51, 3129-3156.	5.4	10
13	The Influential Role of Powder Factor vs. Delay in Full-Scale Blasting: A Perspective Through the Fragment Size-Energy Fan. Rock Mechanics and Rock Engineering, 2022, 55, 4209-4236.	5.4	10
14	The energy balance of production blasts at Nordkalk's Klinthagen quarry. , 2003, , 193-203.		9
15	Physical Origin of the Fine-Particle Problem in Blasting Fragmentation. Physical Review Applied, 2018, 10, .	3.8	6
16	Using Small-scale Blast Tests and Numerical Modelling to Trace the Origin of Fines Generated in Blasting. BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik, 2018, 163, 427-436.	1.0	4
17	Internal Fractures After Blasting Confined Rock and Mortar Cylinders. BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik, 2019, 164, 422-430.	1.0	4
18	Advances on the Fragmentation-Energy Fan Concept and the Swebrec Function in Modeling Drop Weight Testing. Minerals (Basel, Switzerland), 2021, 11, 1262.	2.0	4

#	ARTICLE	IF	CITATIONS
19	Reply to Discussion of "The Case for the Median Fragment Size as a Better Fragment Size Descriptor than the Mean" by Finn Ouchterlony, Rock Mech. Rock Eng., published online 15 March 2015. Rock Mechanics and Rock Engineering, 2016, 49, 339-342.	5.4	2
20	Generation of fine fragments during dynamic propagation of pressurized cracks. Physical Review E, 2020, 101, 023002.	2.1	1