

# Matthew A Perras

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9383168/publications.pdf>

Version: 2024-02-01

11  
papers

708  
citations

1039406

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1281420

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11  
all docs

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docs citations

11  
times ranked

814  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of the Tensile Strength of Rock: Concepts and Testing. Geotechnical and Geological Engineering, 2014, 32, 525-546.	0.8	321
2	Predicting excavation damage zone depths in brittle rocks. Journal of Rock Mechanics and Geotechnical Engineering, 2016, 8, 60-74.	3.7	100
3	A comparison of tensile failure in 3D-printed and natural sandstone. Engineering Geology, 2017, 226, 221-235.	2.9	62
4	The three stages of stress relaxation - Observations for the time-dependent behaviour of brittle rocks based on laboratory testing. Engineering Geology, 2017, 216, 56-75.	2.9	58
5	Time-Dependent Behaviour of Brittle Rocks Based on Static Load Laboratory Tests. Geotechnical and Geological Engineering, 2018, 36, 337-376.	0.8	38
6	An Overview of Opportunities for Machine Learning Methods in Underground Rock Engineering Design. Geosciences (Switzerland), 2019, 9, 504.	1.0	38
7	Non-invasive detection of fractures, fracture zones, and rock damage in a hard rock excavation – Experience from the Åspå Hard Rock Laboratory in Sweden. Engineering Geology, 2015, 196, 210-221.	2.9	33
8	Compressive and Tensile Behavior of 3D-Printed and Natural Sandstones. Transport in Porous Media, 2019, 129, 559-581.	1.2	24
9	Underground Excavation Behaviour of the Queenston Formation: Tunnel Back Analysis for Application to Shaft Damage Dimension Prediction. Rock Mechanics and Rock Engineering, 2015, 48, 1647-1671.	2.6	22
10	Geological and geotechnical observations from the Niagara Tunnel Project. Bulletin of Engineering Geology and the Environment, 2014, 73, 1303-1323.	1.6	8
11	A Convolutional Neural Network Approach for Predicting Tunnel Liner Yield at Cigar Lake Mine. Rock Mechanics and Rock Engineering, 2022, 55, 2821-2843.	2.6	4