

# Matthew A Perras

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

11  
papers

437  
citations

9  
h-index

11  
g-index

11  
ext. papers

568  
ext. citations

4.3  
avg, IF

4.26  
L-index

#	Paper	IF	Citations
11	An Overview of Opportunities for Machine Learning Methods in Underground Rock Engineering Design. <i>Geosciences (Switzerland)</i> , <b>2019</b> , 9, 504	2.7	12
10	Compressive and Tensile Behavior of 3D-Printed and Natural Sandstones. <i>Transport in Porous Media</i> , <b>2019</b> , 129, 559-581	3.1	11
9	Time-Dependent Behaviour of Brittle Rocks Based on Static Load Laboratory Tests. <i>Geotechnical and Geological Engineering</i> , <b>2018</b> , 36, 337-376	1.5	24
8	A comparison of tensile failure in 3D-printed and natural sandstone. <i>Engineering Geology</i> , <b>2017</b> , 226, 221-235	6	35
7	The three stages of stress relaxation - Observations for the time-dependent behaviour of brittle rocks based on laboratory testing. <i>Engineering Geology</i> , <b>2017</b> , 216, 56-75	6	34
6	Predicting excavation damage zone depths in brittle rocks. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , <b>2016</b> , 8, 60-74	5.3	63
5	Non-invasive detection of fractures, fracture zones, and rock damage in a hard rock excavation □ Experience from the □Hard Rock Laboratory in Sweden. <i>Engineering Geology</i> , <b>2015</b> , 196, 210-221	6	21
4	Underground Excavation Behaviour of the Queenston Formation: Tunnel Back Analysis for Application to Shaft Damage Dimension Prediction. <i>Rock Mechanics and Rock Engineering</i> , <b>2015</b> , 48, 1647-1671 <sup>16</sup>	5.7	16
3	A Review of the Tensile Strength of Rock: Concepts and Testing. <i>Geotechnical and Geological Engineering</i> , <b>2014</b> , 32, 525-546	1.5	215
2	Geological and geotechnical observations from the Niagara Tunnel Project. <i>Bulletin of Engineering Geology and the Environment</i> , <b>2014</b> , 73, 1303-1323	4	4
1	A Convolutional Neural Network Approach for Predicting Tunnel Liner Yield at Cigar Lake Mine. <i>Rock Mechanics and Rock Engineering</i> , 1	5.7	2