

Matthew A Perras

List of Publications by Citations

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