Martin Grenon

List of Publications by Year
in descending order

22 papers	420 citations	933447 10 h-index	752698 20 g-index
22 all docs	22 docs citations	22 times ranked	351 citing authors

#	Article	IF	Citations
1	Estimating geometrical and mechanical REV based on synthetic rock mass models at Brunswick Mine. International Journal of Rock Mechanics and Minings Sciences, 2010, 47, 915-926.	5.8	169
2	Stability analysis of vertical excavations in hard rock by integrating a fracture system into a PFC model. Tunnelling and Underground Space Technology, 2009, 24, 296-308.	6.2	60
3	A design methodology for rock slopes susceptible to wedge failure using fracture system modelling. Engineering Geology, 2008, 96, 78-93.	6.3	23
4	Drift reinforcement design based on discontinuity network modelling. International Journal of Rock Mechanics and Minings Sciences, 2003, 40, 833-845.	5.8	22
5	Integrated structural stability analysis for preliminary open pit design. International Journal of Rock Mechanics and Minings Sciences, 2010, 47, 450-460.	5.8	21
6	Analysis of a Large Rock Slope Failure on the East Wall of the LAB Chrysotile Mine in Canada: LiDAR Monitoring and Displacement Analyses. Rock Mechanics and Rock Engineering, 2017, 50, 807-824.	5.4	17
7	Analysis of a Large Rock Slope Failure on the East Wall of the LAB Chrysotile Mine in Canada: Back Analysis, Impact of Water Infilling and Mining Activity. Rock Mechanics and Rock Engineering, 2017, 50, 403-418.	5.4	17
8	Stability Analysis of the 19A Ore Pass at Brunswick Mine Using a Two-Stage Numerical Modeling Approach. Rock Mechanics and Rock Engineering, 2013, 46, 1323-1338.	5.4	16
9	Applications of fracture system models (FSM) in mining and civil rock engineering design. International Journal of Mining, Reclamation and Environment, 2012, 26, 55-73.	2.8	12
10	Capturing the complete stress–strain behaviour of jointed rock using a numerical approach. International Journal for Numerical and Analytical Methods in Geomechanics, 2015, 39, 1027-1044.	3.3	12
11	Slope orientation assessment for open-pit mines, using GIS-based algorithms. Computers and Geosciences, 2011, 37, 1413-1424.	4.2	10
12	Quantifying the impact of small variations in fracture geometric characteristics on peak rock mass properties at a mining project using a coupled DFN–DEM approach. Computers and Geotechnics, 2014, 58, 47-55.	4.7	10
13	Numerical Evaluation of Grouting Scenarios for Reducing Water Inflows from Major Faults in Underground Excavations. Mine Water and the Environment, 2019, 38, 497-506.	2.0	7
14	Discrete fracture network based drift stability at the Éléonore mine. Mining Technology: Transactions of the Institute of Materials, Minerals and Mining Section A, 2017, 126, 22-33.	0.8	5
15	Deterministic and probabilistic stability analysis of a mining rock slope in the vicinity of a major public road — case study of the LAB Chrysotile mine in Canada. Canadian Geotechnical Journal, 2018, 55, 1391-1404.	2.8	5
16	Quantifying in-situ rock block size and resulting fragment size distributions due to blasting. International Journal for Blasting and Fragmentation, 1998, 2, 205-218.	0.2	4
17	Inter-ramp and bench design of open-pit mines: the Portage pit case study. Canadian Geotechnical Journal, 2011, 48, 1601-1615.	2.8	3
18	Understanding the Impact of Alteration on Rock Mass Strength. Geotechnical and Geological Engineering, 2022, 40, 2533-2552.	1.7	3

#	Article	IF	Citations
19	Statistical characterisation of intact rock properties at a Canadian underground mining project. , 2015, , .		2
20	Tsunami generation by potential, partially submerged rockslides in an abandoned open-pit mine: the case of Black Lake, Quebec, Canada. Canadian Geotechnical Journal, 2018, 55, 1769-1780.	2.8	1
21	Implications of DFN Model Selection in Open Pit Bench Stability Analyses.. Boletin Geologico Y Minero, 2020, 131, 387-400.	0.1	1
22	Practical Considerations in Establishing the Statistical Reliability of Geomechanical Data. Geotechnical and Geological Engineering, 2020, 38, 169-190.	1.7	0