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Mechanical degradation of emplacement drifts at
Yucca MountainA modeling case studyPart I:
Nonlithophysal rock

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International Journal of Rock Mechanics and Minings
Sciences, 2007, 44, 351-367.

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#	Paper	IF	Citations
12	Mechanical degradation of emplacement drifts at Yucca Mountain: A modeling case study. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2007 , 44, 368-399	6	43
11	Geotechnical classification and characterisation of materials for stability analyses of large volcanic slopes. <i>Engineering Geology</i> , 2008 , 98, 1-17	6	63
10	Effect of heterogeneity of brittle rock on micromechanical extensile behavior during compression loading. <i>Journal of Geophysical Research</i> , 2010 , 115,		219
9	Subcritical crack growth in rocks under shear loading. <i>Journal of Geophysical Research</i> , 2011 , 116,		21
8	Long-term stability analysis of large-scale underground plant of Xiangjiaba hydro-power station. <i>Journal of Central South University</i> , 2011 , 18, 511-520	2.1	8
7	Multiphysics processes in partially saturated fractured rock: Experiments and models from Yucca Mountain. <i>Reviews of Geophysics</i> , 2012 , 50,	23.1	16
6	The use of discrete fracture networks for modelling coupled geomechanical and hydrological behaviour of fractured rocks. <i>Computers and Geotechnics</i> , 2017 , 85, 151-176	4.4	217
5	Quantifying the effects of scale and heterogeneity on the confined strength of micro-defected rocks. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018 , 102, 131-143	6	20
4	Grain-Based Discrete Element Method (GB-DEM) Modelling of Multi-scale Fracturing in Rocks Under Dynamic Loading. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 3785-3817	5.7	83
3	DEM Investigation of the Influence of Minerals on Crack Patterns and Mechanical Properties of Red Mudstone. <i>Processes</i> , 2019 , 7, 162	2.9	1
2	Underground nuclear power plants: A realistic option?. 2016 , 663-672		
1	Site-scale bedrock fracture modeling of a spent fuel reprocessing site based on borehole group in Northwest, China. <i>Engineering Geology</i> , 2022 , 304, 106682	6	0