Mahdi Saadat

List of Publications by Year
in descending order

10 papers	381 citations	1040056 9 h-index	1372567 10 g-index
10 all docs	10 docs citations	10 times ranked	221 citing authors

#	Article	IF	Citations
1	Incorporating asperity strength into rock joint constitutive model for approximating asperity damage: An insight from DEM modelling. Engineering Fracture Mechanics, 2021, 248, 107744.	4.3	7
2	Investigating asperity damage of natural rock joints in polycrystalline rocks under confining pressure using grain-based model. Computers and Geotechnics, 2021, 135, 104144.	4.7	17
3	Effect of Contributing Parameters on the Behaviour of a Bolted Rock Joint Subjected to Combined Pull-and-Shear Loading: A DEM Approach. Rock Mechanics and Rock Engineering, 2020, 53, 383-409.	5.4	36
4	A cohesive grain based model to simulate shear behaviour of rock joints with asperity damage in polycrystalline rock. Computers and Geotechnics, 2020, 117, 103254.	4.7	39
5	A numerical study to investigate the influence of surface roughness and boundary condition on the shear behaviour of rock joints. Bulletin of Engineering Geology and the Environment, 2020, 79, 2483-2498.	3.5	20
6	Modelling micro-cracking behaviour of granite during direct tensile test using cohesive GBM approach. Engineering Fracture Mechanics, 2020, 239, 107297.	4.3	23
7	Characterization of early age behavior of cemented paste backfill through the magnitude and frequency spectrum of ultrasonic P-wave. Construction and Building Materials, 2020, 249, 118733.	7.2	79
8	Modelling Micro-cracking Behaviour of Pre-cracked Granite Using Grain-Based Distinct Element Model. Rock Mechanics and Rock Engineering, 2019, 52, 4669-4692.	5.4	48
9	A cohesive discrete element based approach to characterizing the shear behavior of cohesive soil and clay-infilled rock joints. Computers and Geotechnics, 2019, 114, 103109.	4.7	41
10	A numerical approach to investigate the effects of rock texture on the damage and crack propagation of a pre-cracked granite. Computers and Geotechnics, 2019, 111, 89-111.	4.7	71