

Salvador Senent Dominguez

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

587
citations

759190

12
h-index

839512

18
g-index

21
all docs

21
docs citations

21
times ranked

383
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunnel face stability in heavily fractured rock masses that follow the Hoek-Brown failure criterion. International Journal of Rock Mechanics and Minings Sciences, 2013, 60, 440-451.	5.8	124
2	A tunnel face failure mechanism for layered ground, considering the possibility of partial collapse. Tunnelling and Underground Space Technology, 2015, 47, 182-192.	6.2	109
3	Distinct element method simulations of rock-concrete interfaces under different boundary conditions. Engineering Geology, 2018, 240, 123-139.	6.3	80
4	Reliability Analysis of Circular Tunnel Face Stability Obeying Hoek-Brown Failure Criterion Considering Different Distribution Types and Correlation Structures. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	47
5	Structure from Motion photogrammetry to characterize underground rock masses: Experiences from two real tunnels. Tunnelling and Underground Space Technology, 2019, 83, 262-273.	6.2	44
6	DEM simulation of rock creep in tunnels using Rate Process Theory. Computers and Geotechnics, 2022, 142, 104559.	4.7	27
7	Prediction of time-dependent tunnel convergences using a Bayesian updating approach. Tunnelling and Underground Space Technology, 2019, 94, 103118.	6.2	25
8	Effect of advance drainage on tunnel face stability using Limit Analysis and numerical simulations. Tunnelling and Underground Space Technology, 2019, 93, 103105.	6.2	19
9	An upper bound solution for tunnel face stability analysis considering the free span. Tunnelling and Underground Space Technology, 2020, 103, 103515.	6.2	19
10	A DEM-Based Factor to Design Rock-Socketed Piles Considering Socket Roughness. Rock Mechanics and Rock Engineering, 2021, 54, 3409-3421.	5.4	18
11	Discrete element modelling of rock creep behaviour using rate process theory. Canadian Geotechnical Journal, 2021, 58, 1231-1246.	2.8	15
12	Distinct-Element Method Simulations of Rock-Socketed Piles: Estimation of Side Shear Resistance Considering Socket Roughness. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	14
13	New collocation method for stochastic response surface reliability analyses. Engineering With Computers, 2020, 36, 1751-1762.	6.1	11
14	Numerical simulation of the influence of small-scale defects on the true-triaxial strength of rock samples. Computers and Geotechnics, 2013, 53, 142-156.	4.7	10
15	Using Telephoto Lens to Characterize Rock Surface Roughness in SfM Models. Rock Mechanics and Rock Engineering, 2021, 54, 2369-2382.	5.4	10
16	Sliding stability analysis of gravity dam founded on rock mass with impersistent joint set. Canadian Geotechnical Journal, 2015, 52, 1668-1684.	2.8	8
17	Reliability Analysis of Circular Tunnel Face Stability Obeying Hoek-Brown Failure Criterion. , 2014, , .		3
18	Characterization of joint roughness using close-range UAV-SfM photogrammetry. IOP Conference Series: Earth and Environmental Science, 2021, 833, 012064.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Discrete Element Modelling of Rock Creep in Deep Tunnels using Rate Process Theory. IOP Conference Series: Earth and Environmental Science, 2021, 833, 012103.	0.3	1
20	Characterization of underground rock masses employing structure from motion: Application to a real case. , 2019, , 826-835.		1
21	Face stability in tunnels excavated by the drill and blast method. , 2014, , 1087-1091.		0