

# Amin Manouchehrian

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

658  
citations

1039406

9  
h-index

1058022

14  
g-index

17  
all docs

17  
docs citations

17  
times ranked

563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical modeling of rockburst near fault zones in deep tunnels. <i>Tunnelling and Underground Space Technology</i> , 2018, 80, 164-180.	3.0	131
2	A bonded particle model for analysis of the flaw orientation effect on crack propagation mechanism in brittle materials under compression. <i>Archives of Civil and Mechanical Engineering</i> , 2014, 14, 40-52.	1.9	104
3	Numerical analysis of confinement effect on crack propagation mechanism from a flaw in a pre-cracked rock under compression. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2012, 28, 1389-1397.	1.5	73
4	Simulation of unstable rock failure under unloading conditions. <i>Canadian Geotechnical Journal</i> , 2016, 53, 22-34.	1.4	70
5	Analysis of rockburst in tunnels subjected to static and dynamic loads. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017, 9, 1031-1040.	3.7	70
6	Development of a model for analysis of slope stability for circular mode failure using genetic algorithm. <i>Environmental Earth Sciences</i> , 2014, 71, 1267-1277.	1.3	65
7	Application of artificial neural networks and multivariate statistics to estimate UCS using textural characteristics. <i>International Journal of Mining Science and Technology</i> , 2012, 22, 229-236.	4.6	55
8	Influence of material heterogeneity on failure intensity in unstable rock failure. <i>Computers and Geotechnics</i> , 2016, 71, 237-246.	2.3	55
9	Selection of regression models for predicting strength and deformability properties of rocks using GA. <i>International Journal of Mining Science and Technology</i> , 2013, 23, 495-501.	4.6	23
10	Numerical study on rock failure around a tunnel distressed by a conceptualized notched technique. <i>Underground Space (China)</i> , 2022, 7, 1086-1097.	3.4	6
11	Strainburst Control in Deep Tunnels Using a Slotted Excavation Method. <i>International Journal of Geomechanics</i> , 2022, 22, .	1.3	3
12	Comparison of indirect boundary element and finite element methods A case study: Shiraz-Esfahan railway tunnel in Iran. <i>Frontiers of Structural and Civil Engineering</i> , 2012, 6, 385.	1.2	1
13	Analysis of stress and failure in rock specimens with closed and open flaws on the surface. <i>Frontiers of Structural and Civil Engineering</i> , 2021, 15, 1222-1237.	1.2	1
14	Failure Mechanism of Rock Specimens with a Notched Hole under Compression – A Numerical Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7797.	1.3	0
15	Failure behaviour of open and closed cracks under different loading conditions. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 861, 022052.	0.2	0