

# Mohammad Zaid

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

423  
citations

759190

12  
h-index

752679

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

98  
citing authors

#	ARTICLE	IF	CITATIONS
1	Blast analysis of tunnels in Manhattan-Schist and Quartz-Schist using coupled-Eulerian-Lagrangian method. Innovative Infrastructure Solutions, 2021, 6, 1.	2.2	95
2	Effect of unconfined compressive strength of rock on dynamic response of shallow unlined tunnel. SN Applied Sciences, 2020, 2, 1.	2.9	27
3	Numerical Analysis of Shallow Tunnels Under Static Loading: A Finite Element Approach. Geotechnical and Geological Engineering, 2021, 39, 2581-2607.	1.7	27
4	Rock Tunnel Performance Under Blast Loading Through Finite Element Analysis. Geotechnical and Geological Engineering, 2022, 40, 35-56.	1.7	26
5	The response of rock tunnel when subjected to blast loading: Finite element analysis. Engineering Reports, 2021, 3, e12293.	1.7	25
6	Blast resistant behaviour of tunnels in sedimentary rocks. International Journal of Protective Structures, 2021, 12, 153-173.	2.3	25
7	A Simple Approximate Simulation Using Coupled Eulerian-Lagrangian (CEL) Simulation in Investigating Effects of Internal Blast in Rock Tunnel. Indian Geotechnical Journal, 2021, 51, 1038-1055.	1.4	24
8	Numerical Analysis of Himalayan Rock Tunnels under Static and Blast Loading. Geotechnical and Geological Engineering, 2021, 39, 5063-5083.	1.7	24
9	Blast Resistant Analysis of Rock Tunnel Using Abaqus: Effect of Weathering. Geotechnical and Geological Engineering, 2022, 40, 809-832.	1.7	20
10	Effect of Superstructure on the Stability of Underground Tunnels. Transportation Infrastructure Geotechnology, 2021, 8, 142-161.	3.1	19
11	FEA of Urban Rock Tunnels Under Impact Loading at Targeted Velocity. Geotechnical and Geological Engineering, 2022, 40, 1693-1711.	1.7	18
12	Finite Element Analysis of Static Loading on Urban Tunnels. Lecture Notes in Civil Engineering, 2020, , 807-823.	0.4	18
13	Preliminary Study to Understand the Effect of Impact Loading and Rock Weathering in Tunnel Constructed in Quartzite. Geotechnical and Geological Engineering, 2024, 42, 725-753.	1.7	15
14	Dynamic Analysis of Tunnels in Western Ghats of Indian Peninsula: Effect of Shape and Weathering. Lecture Notes in Civil Engineering, 2021, , 763-776.	0.4	12
15	Effect of Stratification on Underground Opening: A Numerical Approach. Lecture Notes in Civil Engineering, 2019, , 133-142.	0.4	10
16	Numerical Study on Micropile Stabilized Foundation in Flyash. Indian Geotechnical Journal, 2021, 51, 1099-1106.	1.4	9
17	Static and Dynamic Analysis of the Shielded Tunnel in Alluvium Soil with 2D FEM Model. Transportation Infrastructure Geotechnology, 2022, 9, 73-100.	3.1	8
18	Effect of Rock Weathering on the Seismic Stability of Different Shapes of the Tunnel. Lecture Notes in Civil Engineering, 2021, , 637-650.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Effect of Joint Orientation on the Seismic Stability of Rock Slope with Transmission Tower. Lecture Notes in Civil Engineering, 2021, , 149-161.	0.4	5
20	Stability of Arch Tunnel in Different Magnitude of Earthquake with Effect of Weathering in Western Ghats of India. Lecture Notes in Civil Engineering, 2021, , 469-482.	0.4	4
21	Influence of Micropiles on the Bearing Capacity of a Layered Soil System—A Numerical Study. Lecture Notes in Civil Engineering, 2021, , 141-149.	0.4	2
22	Experimental and Numerical Modeling of Tunneling-Induced Ground Settlement in Clayey Soil. Lecture Notes in Civil Engineering, 2021, , 23-33.	0.4	2
23	Analysis of Underground Renewable Energy Storage Tunnels Subjected to Capricious Superstructures. Lecture Notes in Electrical Engineering, 2021, , 99-110.	0.4	1
24	Interaction of Transmission Tower Footing with Twin Rock Tunnel. Lecture Notes in Civil Engineering, 2021, , 189-198.	0.4	0
25	Experimental Study on the Effects of Nanomaterials in Clayey Soil of Aligarh City of Northern India. Lecture Notes in Civil Engineering, 2021, , 225-235.	0.4	0