Nicholas Vlachopoulos

List of Publications by Year
in descending order

23 papers	535 citations	623699 14 h-index	713444 21 g-index
24 all docs	24 docs citations	24 times ranked	356 citing authors

#	Article	IF	Citations
1	Tunnel Stability Analysis in Weak Rocks Using the Convergence Confinement Method. Rock Mechanics and Rock Engineering, 2021, 54, 559-582.	5.4	18
2	Comparison of multiple monitoring techniques for the testing of a scale model timber Warren truss. Facets, 2021, 6, 1510-1533.	2.4	3
3	Targeted Rock Slope Assessment Using Voxels and Object-Oriented Classification. Remote Sensing, 2021, 13, 1354.	4.0	5
4	In-situ load testing of a WWII era timber Warren truss in the development of a structural health monitoring program. Engineering Structures, 2021, 239, 112274.	5.3	8
5	The Performance of Axially Loaded, Fully Grouted Rock Bolts Based on Pull-Out Experiments Utilizing Fiber Optics Technology and Associated Numerical Modelling of Such Support Elements. Geotechnical and Geological Engineering, 2020, 38, 1389-1407.	1.7	6
6	An in situ monitoring campaign of a hard rock pillar at great depth within a Canadian mine. Journal of Rock Mechanics and Geotechnical Engineering, 2020, 12, 427-448.	8.1	17
7	An Investigation into Support Interaction of Ground Support Through Numerical Modelling and Laboratory Testing. Geotechnical and Geological Engineering, 2020, 38, 5719-5736.	1.7	2
8	Rock Mass Structural Characterization Through DFN–LiDAR–DOS Methodology. Geotechnical and Geological Engineering, 2020, 38, 6231-6244.	1.7	4
9	Augmenting the in-situ rock bolt pull test with distributed optical fiber strain sensing. International Journal of Rock Mechanics and Minings Sciences, 2020, 126, 104202.	5.8	14
10	Tunnelling in Weak Rock. , 2020, , 579-621.		1
11	Refined Approaches for Estimating the Strength of Rock Blocks. Geotechnical and Geological Engineering, 2019, 37, 5409-5439.	1.7	16
12	The Effect of Jointing in Massive Highly Interlocked Rockmasses Under High Stresses by Using a FDEM Approach. , 2019, , 185-192.		0
13	Assessment of strain bursting in deep tunnelling by using the finite-discrete element method. Journal of Rock Mechanics and Geotechnical Engineering, 2019, 11, 12-37.	8.1	32
14	Improvement to the Convergence-Confinement Method: Inclusion of Support Installation Proximity and Stiffness. Rock Mechanics and Rock Engineering, 2018, 51, 1495-1519.	5.4	47
15	Utilizing a novel fiber optic technology to capture the axial responses of fully grouted rock bolts. Journal of Rock Mechanics and Geotechnical Engineering, 2018, 10, 222-235.	8.1	31
16	The Numerical Simulation of Hard Rocks for Tunnelling Purposes at Great Depths: A Comparison between the Hybrid FDEM Method and Continuous Techniques. Advances in Civil Engineering, 2018, 2018, 1-18.	0.7	17
17	The application of distributed optical strain sensing to measure the strain distribution of ground support members. Facets, 2018, 3, 195-226.	2.4	20
18	Integration of Lidar-Based Structural Input and Discrete Fracture Network Generation for Underground Applications. Geotechnical and Geological Engineering, 2017, 35, 2227-2251.	1.7	26

#	Article	IF	Citations
19	A new optical sensing technique for monitoring shear of rock bolts. Tunnelling and Underground Space Technology, 2017, 66, 34-46.	6.2	28
20	Semi-analytical model for umbrella arch systems employed in squeezing ground conditions. Tunnelling and Underground Space Technology, 2016, 56, 136-156.	6.2	22
21	Appropriate Uses and Practical Limitations of 2D Numerical Analysis of Tunnels and Tunnel Support Response. Geotechnical and Geological Engineering, 2014, 32, 469-488.	1.7	82
22	Umbrella Arch Nomenclature and Selection Methodology for Temporary Support Systems for the Design and Construction of Tunnels. Geotechnical and Geological Engineering, 2014, 32, 97-130.	1.7	24
23	The influence of facing stiffness on the performance of two geosynthetic reinforced soil retaining walls. Canadian Geotechnical Journal, 2006, 43, 1225-1237.	2.8	112