

# Cemal Balci

## List of Publications by Year in descending order

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14  
papers

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1040056

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32  
all docs

32  
docs citations

32  
times ranked

243  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of mineralogy on the microwave assisted cutting of igneous rocks. Bulletin of Engineering Geology and the Environment, 2022, 81, 1.	3.5	9
2	Full-Scale linear cutting tests using a button cutter and deterministic performance prediction modeling for raise boring machines. Tunnelling and Underground Space Technology, 2022, 127, 104609.	6.2	5
3	Experimental studies using a new portable linear rock cutting machine and verification for disc cutters. Tunnelling and Underground Space Technology, 2021, 108, 103702.	6.2	6
4	Cuttability and drillability studies towards predicting performance of mechanical miners excavating in hyperbaric conditions of deep seafloor mining. International Journal of Rock Mechanics and Minings Sciences, 2020, 130, 104338.	5.8	9
5	Investigation into the Effects of Textural Properties on Cuttability Performance of a Chisel Tool. Rock Mechanics and Rock Engineering, 2018, 51, 1227-1248.	5.4	15
6	Effects of Different Cutting Patterns and Experimental Conditions on the Performance of a Conical Drag Tool. Rock Mechanics and Rock Engineering, 2017, 50, 1585-1609.	5.4	56
7	Use of Schmidt Hammer with special reference to strength reduction factor related to cleat presence in a coal mine. International Journal of Rock Mechanics and Minings Sciences, 2016, 84, 25-33.	5.8	4
8	Predicting Performance of Raise Boring Machines Using Empirical Models. Rock Mechanics and Rock Engineering, 2016, 49, 3377-3385.	5.4	12
9	Cuttability of coal from the Soma coalfield in Turkey. International Journal of Rock Mechanics and Minings Sciences, 2015, 73, 123-129.	5.8	4
10	Investigations into the cutting characteristics of CCS type disc cutters and the comparison between experimental, theoretical and empirical force estimations. Tunnelling and Underground Space Technology, 2015, 45, 84-98.	6.2	68
11	Predicting performance of EPB TBMs by using a stochastic model implemented into a deterministic model. Tunnelling and Underground Space Technology, 2014, 42, 1-14.	6.2	63
12	Performance prediction of roadheaders in metallic ore excavation. Tunnelling and Underground Space Technology, 2014, 40, 38-45.	6.2	24
13	Effect of replacing disc cutters with chisel tools on performance of a TBM in difficult ground conditions. Tunnelling and Underground Space Technology, 2012, 27, 41-51.	6.2	81
14	Field and laboratory studies on natural stones leading to empirical performance prediction of chain saw machines. International Journal of Rock Mechanics and Minings Sciences, 2011, 48, 269-282.	5.8	45