

Cemal Balci

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

408
citations

1040056

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996975

15
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32
all docs

32
docs citations

32
times ranked

243
citing authors

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