

Sankhaneel Sinha

List of Publications by Year in descending order

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18
papers

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933447

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citing authors

#	ARTICLE	IF	CITATIONS
1	A study on Bonded Block Model (BBM) complexity for simulation of laboratory-scale stress-strain behavior in granitic rocks. <i>Computers and Geotechnics</i> , 2020, 118, 103363.	4.7	39
2	Understanding roof deformation mechanics and parametric sensitivities of coal mine entries using the discrete element method. <i>International Journal of Mining Science and Technology</i> , 2020, 30, 123-129.	10.3	32
3	A progressive S-shaped yield criterion and its application to rock pillar behavior. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018, 105, 98-109.	5.8	31
4	Investigation of shaft stability and anisotropic deformation in a deep shaft in Idaho, United States. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018, 105, 160-171.	5.8	27
5	Modeling behaviors of a coal pillar rib using the progressive S-shaped yield criterion. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2020, 12, 484-492.	8.1	25
6	Understanding continuum and discontinuum models of rock-support interaction for excavations undergoing stress-induced spalling. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019, 123, 104089.	5.8	21
7	Investigation of longwall headgate stress distribution with an emphasis on pillar behavior. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019, 121, 104049.	5.8	17
8	Investigation of pillar damage mechanisms and rock-support interaction using Bonded Block Models. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 138, 104652.	5.8	16
9	Investigation of the Micromechanical Damage Process in a Granitic Rock Using an Inelastic Bonded Block Model (BBM). <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018844.	3.4	12
10	An evaluation of roof support plans at two coal mines in Illinois using numerical models. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2016, 82, 1-9.	5.8	11
11	Integration of three-dimensional continuum model and two-dimensional bonded block model for studying the damage process in a granite pillar at the Creighton Mine, Sudbury, Canada. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021, 13, 275-288.	8.1	11
12	Challenges associated with numerical back analysis in rock mechanics. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2022, 14, 2058-2071.	8.1	11
13	Modeling the behavior of a coal pillar rib using Bonded Block Models with emphasis on ground-support interaction. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 148, 104965.	5.8	10
14	Numerical analyses of pillar behavior with variation in yield criterion, dilatancy, rock heterogeneity and length to width ratio. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2019, 11, 46-60.	8.1	8
15	Validation of critical strain technique for assessing stability of coal mine intersections and its potential for development of roof control plans. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2018, 10, 380-389.	8.1	7
16	Effect of Damping Mode in Laboratory and Field-Scale Universal Distinct Element Code (UDEC) Models. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 2899-2915.	5.4	5
17	Improved empirical hard rock pillar strength predictions using unconfined compressive strength as a proxy for brittleness. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 148, 104934.	5.8	3
18	Expanding application of the voussoir beam analog to horizontally bedded and passively bolted flat-roof excavations using the discrete element method. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 148, 104919.	5.8	1