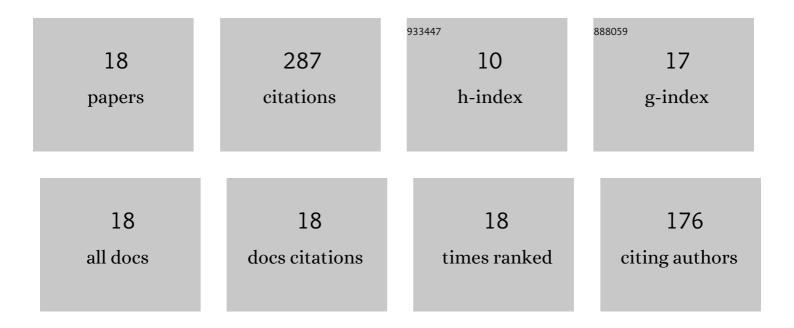
Sankhaneel Sinha

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A study on Bonded Block Model (BBM) complexity for simulation of laboratory-scale stress-strain behavior in granitic rocks. Computers and Geotechnics, 2020, 118, 103363.	4.7	39
2	Understanding roof deformation mechanics and parametric sensitivities of coal mine entries using the discrete element method. International Journal of Mining Science and Technology, 2020, 30, 123-129.	10.3	32
3	A progressive S-shaped yield criterion and its application to rock pillar behavior. International Journal of Rock Mechanics and Minings Sciences, 2018, 105, 98-109.	5.8	31
4	Investigation of shaft stability and anisotropic deformation in a deep shaft in Idaho, United States. International Journal of Rock Mechanics and Minings Sciences, 2018, 105, 160-171.	5.8	27
5	Modeling behaviors of a coal pillar rib using the progressive S-shaped yield criterion. Journal of Rock Mechanics and Geotechnical Engineering, 2020, 12, 484-492.	8.1	25
6	Understanding continuum and discontinuum models of rock-support interaction for excavations undergoing stress-induced spalling. International Journal of Rock Mechanics and Minings Sciences, 2019, 123, 104089.	5.8	21
7	Investigation of longwall headgate stress distribution with an emphasis on pillar behavior. International Journal of Rock Mechanics and Minings Sciences, 2019, 121, 104049.	5.8	17
8	Investigation of pillar damage mechanisms and rock-support interaction using Bonded Block Models. International Journal of Rock Mechanics and Minings Sciences, 2021, 138, 104652.	5.8	16
9	Investigation of the Micromechanical Damage Process in a Granitic Rock Using an Inelastic Bonded Block Model (BBM). Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018844.	3.4	12
10	An evaluation of roof support plans at two coal mines in Illinois using numerical models. International Journal of Rock Mechanics and Minings Sciences, 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. Journal of Rock Mechanics and Geotechnical Engineering, 2021, 13, 275-288.	8.1	11
12	Challenges associated with numerical back analysis in rock mechanics. Journal of Rock Mechanics and Geotechnical Engineering, 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. International Journal of Rock Mechanics and Minings Sciences, 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. Journal of Rock Mechanics and Geotechnical Engineering, 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. Journal of Rock Mechanics and Geotechnical Engineering, 2018, 10, 380-389.	8.1	7
16	Effect of Damping Mode in Laboratory and Field-Scale Universal Distinct Element Code (UDEC) Models. Rock Mechanics and Rock Engineering, 2022, 55, 2899-2915.	5.4	5
17	Improved empirical hard rock pillar strength predictions using unconfined compressive strength as a proxy for brittleness. International Journal of Rock Mechanics and Minings Sciences, 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. International Journal of Rock Mechanics and Minings Sciences, 2021, 148, 104919.	5.8	1