

# Sankhaneel Sinha

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

287  
citations

933447

10  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

176  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | 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         |
| 2  | 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        |
| 3  | 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        |
| 4  | 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        |
| 5  | 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         |
| 6  | 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        |
| 7  | 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         |
| 8  | 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        |
| 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 | 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        |
| 11 | 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        |
| 12 | 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        |
| 13 | 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        |
| 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 | 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        |
| 16 | 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        |
| 17 | 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         |
| 18 | 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        |