Seokwon Jeon

List of Publications by Year
in descending order

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		623188	288905
44	2,140	14	40
papers	citations	h-index	g-index

48	48	48	1422
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An experimental and numerical study of fracture coalescence in pre-cracked specimens under uniaxial compression. International Journal of Solids and Structures, 2011, 48, 979-999.	1.3	575
2	Deformation and strength anisotropy of Asan gneiss, Boryeong shale, and Yeoncheon schist. International Journal of Rock Mechanics and Minings Sciences, 2012, 50, 158-169.	2.6	350
3	Measurement of rock fracture toughness under modes I and II and mixed-mode conditions by using disc-type specimens. Engineering Geology, 2002, 66, 79-97.	2.9	319
4	Optimum spacing of TBM disc cutters: A numerical simulation using the three-dimensional dynamic fracturing method. Tunnelling and Underground Space Technology, 2010, 25, 230-244.	3.0	209
5	Evaluation of cutting efficiency during TBM disc cutter excavation within a Korean granitic rock using linear-cutting-machine testing and photogrammetric measurement. Tunnelling and Underground Space Technology, 2013, 35, 37-54.	3.0	200
6	Performance prediction of TBM disc cutting on granitic rock by the linear cutting test. Tunnelling and Underground Space Technology, 2006, 21, 271.	3.0	67
7	Effect of geomechanical properties on Cerchar Abrasivity Index (CAI) and its application to TBM tunnelling. Tunnelling and Underground Space Technology, 2016, 57, 99-111.	3.0	49
8	A Numerical Study on the Screening of Blast-Induced Waves for Reducing Ground Vibration. Rock Mechanics and Rock Engineering, 2009, 42, 449-473.	2.6	48
9	Experimental Study on Shear Behavior of a Rock Discontinuity Under Various Thermal, Hydraulic and Mechanical Conditions. Rock Mechanics and Rock Engineering, 2019, 52, 2207-2226.	2.6	40
10	Performance Assessment of Hard Rock TBM and Rock Boreability Using Punch Penetration Test. Rock Mechanics and Rock Engineering, 2016, 49, 1517-1532.	2.6	32
11	Characterization of brittle failure using physical model experiments under polyaxial stress conditions. International Journal of Rock Mechanics and Minings Sciences, 2011, 48, 152-160.	2.6	31
12	Reduction of blast-induced vibration in the direction of tunneling using an air-deck at the bottom of a blasthole. International Journal of Rock Mechanics and Minings Sciences, 2010, 47, 752-761.	2.6	27
13	Design of Pyongtaek LPG storage terminal underneath Lake Namyang: A case study. Tunnelling and Underground Space Technology, 2005, 20, 463-478.	3.0	23
14	Experimental Study on Hydromechanical Behavior of an Artificial Rock Joint with Controlled Roughness. Sustainability, 2019, 11, 1014.	1.6	12
15	Rock Cutting Simulation of Point Attack Picks Using the Smooth Particle Hydrodynamics Technique and the Cumulative Damage Model. Applied Sciences (Switzerland), 2020, 10, 5314.	1.3	12
16	Characteristics of crater formation due to explosives blasting in rock mass. Geomechanics and Engineering, 2015, 9, 329-344.	0.9	12
17	Advanced discretization of rock slope using block theory within the framework of discontinuous deformation analysis. Geomechanics and Engineering, 2017, 12, 723-738.	0.9	11
18	Experimental verification of a pts mode II test for rock. International Journal of Rock Mechanics and Minings Sciences, 2004, 41, 8-13.	2.6	9

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19	Evaluation of monitoring items for adverse ground conditions in subsea tunneling. Tunnelling and Underground Space Technology, 2012, 32, 19-33.	3.0	9
20	Determination of Rock Abrasiveness using Cerchar Abrasiveness Test. Tunnel and Underground Space, 2012, 22, 284-295.	0.1	8
21	A Study on Punch Penetration Test for Performance Estimation of Tunnel Boring Machine. Tunnel and Underground Space, 2012, 22, 144-156.	0.1	7
22	Thermo-mechanical coupling analysis of APSE using submodels and neural networks. Journal of Rock Mechanics and Geotechnical Engineering, 2013, 5, 32-43.	3.7	6
23	The influence of excavation damaged zone on the mechanical and thermal behavior of cement mortar block around an opening. KSCE Journal of Civil Engineering, 2013, 17, 1263-1274.	0.9	5
24	Prediction of the temperature distribution around a food storage cavern: the analysis of three-dimensional heat transfer in a fractured rock mass. International Journal of Rock Mechanics and Minings Sciences, 2004, 41, 684-689.	2.6	4
25	Fracture characteristics of rocks under shear loading. KSCE Journal of Civil Engineering, 2014, 18, 760-764.	0.9	4
26	Effect of skew angle on the cutting performance and cutting stability of point-attack type picks. Tunnelling and Underground Space Technology, 2020, 103, 103507.	3.0	4
27	A numerical study on rock cutting by a TBM disc cutter using SPH code. Journal of Korean Tunnelling and Underground Space Association, 2013, 15, 345.	0.0	4
28	Numerical simulation of rock cutting process induced by a pick cutter considering dynamic properties of rock at intermediate strain rate. Bulletin of Engineering Geology and the Environment, 2021, 80, 9049.	1.6	4
29	Design of pyongtaek LPG storage terminal underneath the Lake Namyang. KSCE Journal of Civil Engineering, 2005, 9, 81-89.	0.9	3
30	Numerical evaluation of affecting parameters of surface subsidence in abandoned mine areas. Geosystem Engineering, 2012, 15, 299-304.	0.7	3
31	Mechanical behaviour of rock subjected to uniaxial compression at intermediate strain rate. Geosystem Engineering, 2020, 23, 243-250.	0.7	3
32	Accurate performance prediction model for impact hammer developed using customized evolutionary algorithm. Tunnelling and Underground Space Technology, 2021, 109, 103773.	3.0	3
33	Thermo-mechanical coupling analysis for DECOVALEX-2011 Task B, Ã„spÃ¶ pillar stability experiment. Geosystem Engineering, 2012, 15, 90-101.	0.7	2
34	Development of a New Method for the Quantitative Generation of an Artificial Joint Specimen with Specific Geometric Properties. Sustainability, 2019, 11, 373.	1.6	2
35	Characteristics of Blast-induced Fracturing for the Determination of Optimal Spacing in Contour Blasting Using Bonded Particle Model. Geosystem Engineering, 2005, 8, 15-23.	0.7	1
36	Generation of a 3D Artificial Joint Surface and Characterization of Its Roughness. Tunnel and Underground Space, 2016, 26, 516-523.	0.1	1

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37	A prediction model for specific energy required by point attack picks based on a hybrid evolutionary machine learning technique. Arabian Journal of Geosciences, 2022, 15, .	0.6	1
38	Prediction of the temperature distribution around a food storage cavern: the analysis of three-dimensional heat transfer in a fractured rock mass. International Journal of Rock Mechanics and Minings Sciences, 2004, 41, 491.	2.6	0
39	Determination of failure initiation stress and failure grade using Acoustic emission. Geosystem Engineering, 2008, 11, 1-6.	0.7	0
40	Simulation of failure around a circular tunnel using a bonded particle model. , 2007, , .		0
41	Study on Hydraulic Fracturing in Transverse Isotropic Rock Using Bonded Particle Model. Tunnel and Underground Space, 2013, 23, 470-479.	0.1	0
42	Review on the Prevention and Reclamation of Mining Induced Subsidence in Abandoned Mine Areas in the Republic of Korea. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2014, 51, 141-150.	0.1	0
43	Review of Subaqueous Tunneling Case Histories. Tunnel and Underground Space, 2014, 24, 120-130.	0.1	0
44	Development and Research Trends of TBM Manufacturing Technology in China. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2018, 55, 314-322.	0.1	0