

Javad Akbardoost

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Size-dependent fracture behavior of Guiting limestone under mixed mode loading. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2014, 71, 369-380.	5.8	150
2	Typical Upper Boundâ€“Lower Bound Mixed Mode Fracture Resistance Envelopes for Rock Material. <i>Rock Mechanics and Rock Engineering</i> , 2012, 45, 65-74.	5.4	147
3	Size effects on fracture toughness of quasi-brittle materials â€“ A new approach. <i>Engineering Fracture Mechanics</i> , 2012, 92, 89-100.	4.3	95
4	Size and Geometry Effects on Rock Fracture Toughness: Mode I Fracture. <i>Rock Mechanics and Rock Engineering</i> , 2014, 47, 677-687.	5.4	95
5	Experimental analysis of mixed mode crack propagation in brittle rocks: The effect of non-singular terms. <i>Engineering Fracture Mechanics</i> , 2014, 129, 77-89.	4.3	65
6	Thickness effect on the mode III fracture resistance and fracture path of rock using ENDB specimens. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 277-291.	3.4	50
7	Size effects in mode II brittle fracture of rocks. <i>Engineering Fracture Mechanics</i> , 2013, 112-113, 165-180.	4.3	47
8	Comprehensive data for calculating the higher order terms of crack tip stress field in disk-type specimens under mixed mode loading. <i>Theoretical and Applied Fracture Mechanics</i> , 2015, 76, 75-90.	4.7	35
9	Size effects on parameters of cohesive zone model in mode I fracture of limestone. <i>International Journal of Damage Mechanics</i> , 2014, 23, 588-605.	4.2	31
10	Averaged strain energy density criterion to predict ductile failure of U-notched Al 6061-T6 plates under mixed mode loading. <i>Theoretical and Applied Fracture Mechanics</i> , 2017, 91, 86-93.	4.7	31
11	The effects of using treated wastewater on the fracture toughness of the concrete. <i>Australian Journal of Civil Engineering</i> , 2020, 18, 56-64.	1.6	30
12	Experimental and theoretical fracture assessment of rock-type U-notched specimens under mixed mode I/II loading. <i>Engineering Fracture Mechanics</i> , 2020, 230, 106990.	4.3	30
13	Size effects on mixed-mode fracture behavior of polygranular graphite. <i>Carbon</i> , 2016, 103, 394-403.	10.3	25
14	Calculation of the crack tip parameters in the holedâ€“cracked flattened Brazilian disk (HCFBD) specimens under wide range of mixed mode I/II loading. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 1416-1427.	3.4	19
15	Fracture analysis of rock specimens weakened by rounded-V and U-shaped notches under pure mode I loading. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019, 123, 104103.	5.8	18
16	Assessment of mode I fracture of rock-type sharp V-notched samples considering the size effect. <i>Theoretical and Applied Fracture Mechanics</i> , 2021, 116, 103136.	4.7	18
17	Size and crack length effects on fracture toughness of polycrystalline graphite. <i>Engineering Solid Mechanics</i> , 2014, 2, 183-192.	1.2	17
18	Scaling effect on the mixed-mode fracture path of rock materials. <i>Physical Mesomechanics</i> , 2016, 19, 441-451.	1.9	16

#	ARTICLE	IF	CITATIONS
19	Mixed mode notch fracture toughness assessment of quasi-brittle polymeric specimens at different scales. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 109, 102682.	4.7	15
20	Scaling effects on notch fracture toughness of graphite specimens under mode I loading. <i>Engineering Fracture Mechanics</i> , 2020, 235, 107153.	4.3	14
21	Scaling effect on the fracture toughness of bone materials using MMTS criterion. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 85, 72-79.	3.1	11
22	Implementation of XFEM for fracture prediction of VO-notched brittle specimens. <i>European Journal of Mechanics, A/Solids</i> , 2020, 81, 103970.	3.7	10
23	Predicting the fracture trajectory in U, VO, and key-hole notched specimens using an incremental approach. <i>Engineering Fracture Mechanics</i> , 2018, 200, 189-207.	4.3	9
24	Evaluation of size effect on mixed-mode fracture behavior of epoxy/silica nanocomposites. <i>Journal of Strain Analysis for Engineering Design</i> , 2017, 52, 239-248.	1.8	6
25	Investigating the effect of the foundry sand and waste foundry sand on the fracture toughness of concrete. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	4
26	A stress-based approach for considering the size effect on the mixed mode fracture behavior of rock. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 10841-10851.	2.1	3
27	Size Effect on Mode I Fracture Resistance of Polymeric Rounded-Tip V-Notched Specimens Using the Modified Point Stress Criterion. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	2.9	2
28	A Modified Mean Stress Criterion for Considering Size Effects on Mode I Fracture Estimation of Rounded-Tip V-Notched Polymeric Specimens. <i>Polymers</i> , 2022, 14, 1491.	4.5	0