

Mrm Aliha

List of Publications by Year in descending order

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155
papers

10,139
citations

18482

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38395

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158
all docs

158
docs citations

158
times ranked

2074
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometry and size effects on fracture trajectory in a limestone rock under mixed mode loading. Engineering Fracture Mechanics, 2010, 77, 2200-2212.	4.3	311
2	An improved semi-circular bend specimen for investigating mixed mode brittle fracture. Engineering Fracture Mechanics, 2011, 78, 110-123.	4.3	259
3	Wide range data for crack tip parameters in two disc-type specimens under mixed mode loading. Computational Materials Science, 2007, 38, 660-670.	3.0	247
4	On the use of Brazilian disc specimen for calculating mixed mode I/II fracture toughness of rock materials. Engineering Fracture Mechanics, 2008, 75, 4631-4641.	4.3	245
5	Mixed mode brittle fracture in PMMA—An experimental study using SCB specimens. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 417, 348-356.	5.6	240
6	Fracture toughness study for a brittle rock subjected to mixed mode I/II loading. International Journal of Rock Mechanics and Minings Sciences, 2007, 44, 617-624.	5.8	183
7	Analysis of a new specimen for mixed mode fracture tests on brittle materials. Engineering Fracture Mechanics, 2009, 76, 1563-1573.	4.3	174
8	Application of Cracked Triangular Specimen Subjected to Three-Point Bending for Investigating Fracture Behavior of Rock Materials. Rock Mechanics and Rock Engineering, 2013, 46, 1023-1034.	5.4	169
9	Mixed mode fracture resistance of asphalt concrete mixtures. Engineering Fracture Mechanics, 2012, 93, 153-167.	4.3	164
10	Study of characteristic specification on mixed mode fracture toughness of asphalt mixtures. Construction and Building Materials, 2014, 54, 623-635.	7.2	164
11	Determination of mode III fracture toughness for different materials using a new designed test configuration. Materials and Design, 2015, 86, 863-871.	7.0	156
12	Cracked asphalt pavement under traffic loading — A 3D finite element analysis. Engineering Fracture Mechanics, 2011, 78, 1817-1826.	4.3	153
13	Size-dependent fracture behavior of Guiting limestone under mixed mode loading. International Journal of Rock Mechanics and Minings Sciences, 2014, 71, 369-380.	5.8	150
14	A novel test specimen for investigating the mixed mode I+III fracture toughness of hot mix asphalt composites — Experimental and theoretical study. International Journal of Solids and Structures, 2016, 90, 167-177.	2.7	149
15	Typical Upper Bound—Lower Bound Mixed Mode Fracture Resistance Envelopes for Rock Material. Rock Mechanics and Rock Engineering, 2012, 45, 65-74.	5.4	147
16	Crack behavior analysis of roller compacted concrete mixtures containing reclaimed asphalt pavement and crumb rubber. Engineering Fracture Mechanics, 2017, 180, 43-59.	4.3	147
17	EMTSN criterion for evaluating mixed mode I/II crack propagation in rock materials. Engineering Fracture Mechanics, 2018, 190, 186-197.	4.3	146
18	Rock fracture toughness study using cracked chevron notched Brazilian disc specimen under pure modes I and II loading — A statistical approach. Theoretical and Applied Fracture Mechanics, 2014, 69, 17-25.	4.7	136

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19	Effect of temperature and air void on mixed mode fracture toughness of modified asphalt mixtures. Construction and Building Materials, 2015, 95, 545-555.	7.2	136
20	Geometry effects and statistical analysis of mode I fracture in guiting limestone. International Journal of Rock Mechanics and Minings Sciences, 2012, 51, 128-135.	5.8	135
21	Numerical analysis of a new mixed mode I/III fracture test specimen. Engineering Fracture Mechanics, 2015, 134, 95-110.	4.3	134
22	Application of an average strain energy density criterion to obtain the mixed mode fracture load of granite rock tested with the cracked asymmetric four-point bend specimens. Theoretical and Applied Fracture Mechanics, 2018, 97, 419-425.	4.7	133
23	The influence of natural and synthetic fibers on low temperature mixed mode I + II fracture behavior of warm mix asphalt (WMA) materials. Engineering Fracture Mechanics, 2017, 182, 322-336.	4.3	132
24	On determination of mode II fracture toughness using semi-circular bend specimen. International Journal of Solids and Structures, 2006, 43, 5217-5227.	2.7	129
25	Investigation of fatigue and fracture properties of asphalt mixtures modified with carbon nanotubes. Fatigue and Fracture of Engineering Materials and Structures, 2016, 39, 896-906.	3.4	124
26	Strain-based criteria for mixed-mode fracture of polycrystalline graphite. Engineering Fracture Mechanics, 2016, 156, 114-123.	4.3	119
27	Mixed mode fracture toughness testing of PMMA with different three-point bend type specimens. European Journal of Mechanics, A/Solids, 2016, 58, 148-162.	3.7	118
28	Crack resistance of hot mix asphalt containing different percentages of reclaimed asphalt pavement and glass fiber. Construction and Building Materials, 2020, 230, 117015.	7.2	114
29	Two-parameter fracture analysis of SCB rock specimen under mixed mode loading. Engineering Fracture Mechanics, 2013, 103, 115-123.	4.3	110
30	Evaluating the effect of macro-synthetic fibre on the mechanical properties of roller-compacted concrete pavement using response surface methodology. Construction and Building Materials, 2018, 159, 517-529.	7.2	108
31	Fracture toughness determination of modified HMA mixtures with two novel disc shape configurations. Construction and Building Materials, 2017, 155, 789-799.	7.2	107
32	Mixed mode fracture in soda lime glass analyzed by using the generalized MTS criterion. International Journal of Solids and Structures, 2009, 46, 311-321.	2.7	106
33	On the applicability of ASED criterion for predicting mixed mode I+II fracture toughness results of a rock material. Theoretical and Applied Fracture Mechanics, 2017, 92, 198-204.	4.7	105
34	Mixed mode I/III brittle fracture evaluation of marble using SCB specimen. Procedia Engineering, 2011, 10, 311-318.	1.2	104
35	Mechanical durability of an optimized polymer concrete under various thermal cyclic loadings – An experimental study. Construction and Building Materials, 2014, 64, 308-315.	7.2	100
36	Rock Fracture Toughness Study Under Mixed Mode I/III Loading. Rock Mechanics and Rock Engineering, 2017, 50, 1739-1751.	5.4	99

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37	Fracture study of concrete composites with synthetic fibers additive under modes I and III using ENDB specimen. Construction and Building Materials, 2018, 190, 612-622.	7.2	92
38	Evaluation of temperature and loading rate effect on fracture toughness of fiber reinforced asphalt mixture using edge notched disc bend (ENDB) specimen. Construction and Building Materials, 2020, 234, 117365.	7.2	91
39	Cracked Brazilian disc specimen subjected to mode II deformation. Engineering Fracture Mechanics, 2005, 72, 493-503.	4.3	90
40	Geometry effects on fracture behaviour of polymethyl methacrylate. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 526-530.	5.6	90
41	The Influence of Specimen Type on Tensile Fracture Toughness of Rock Materials. Pure and Applied Geophysics, 2017, 174, 1237-1253.	1.9	89
42	Mixed mode tensile σ In plane shear fracture energy determination for hot mix asphalt mixtures under intermediate temperature conditions. Engineering Fracture Mechanics, 2018, 192, 98-113.	4.3	89
43	Mixed mode fracture analysis of polycrystalline graphite σ A modified MTS criterion. Carbon, 2008, 46, 1302-1308.	10.3	87
44	Evaluation of pure and mixed modes (I/III) fracture toughness of Portland cement concrete mixtures containing reclaimed asphalt pavement. Construction and Building Materials, 2018, 178, 10-18.	7.2	87
45	Analysis of fracture initiation angle in some cracked ceramics using the generalized maximum tangential stress criterion. International Journal of Solids and Structures, 2012, 49, 1877-1883.	2.7	86
46	Brittle Fracture Analysis Using a Ring-Shape Specimen Containing Two Angled Cracks. International Journal of Fracture, 2008, 153, 63-68.	2.2	82
47	Fracture toughness prediction using Weibull statistical method for asphalt mixtures containing different air void contents. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 55-68.	3.4	81
48	Crack initiation angles and propagation paths in polyurethane foams under mixed modes I/II and I/III loading. Theoretical and Applied Fracture Mechanics, 2019, 101, 152-161.	4.7	81
49	Experimental and theoretical fracture toughness investigation of PUR foams under mixed mode I+III loading. Polymer Testing, 2018, 67, 75-83.	4.8	80
50	Impact of freeze-thaw cycles on low temperature mixed mode I/II cracking properties of water saturated hot mix asphalt: An experimental study. Construction and Building Materials, 2020, 261, 119939.	7.2	79
51	The effects of thickness and Poisson's ratio on 3D mixed-mode fracture. Engineering Fracture Mechanics, 2013, 98, 15-28.	4.3	78
52	Mode I and Mode II Fracture Toughness Testing for a Coarse Grain Marble. Applied Mechanics and Materials, 2006, 5-6, 181-188.	0.2	77
53	Brittle fracture evaluation of a fine grain cement mortar in combined tensile-shear deformation. Fatigue and Fracture of Engineering Materials and Structures, 2009, 32, 987-994.	3.4	77
54	Experimental determination of tensile strength and K_{Ic} of polymer concretes using semi-circular bend (SCB) specimens. Structural Engineering and Mechanics, 2012, 43, 823-833.	1.0	76

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55	Cracking Properties of Warm Mix Asphalts Containing Reclaimed Asphalt Pavement and Recycling Agents under Different Loading Modes. <i>Construction and Building Materials</i> , 2021, 300, 124130.	7.2	72
56	Statistical Analysis of Rock Fracture Toughness Data Obtained from Different Chevron Notched and Straight Cracked Mode I Specimens. <i>Rock Mechanics and Rock Engineering</i> , 2018, 51, 2095-2114.	5.4	69
57	Fracture assessment of polymethyl methacrylate using sharp notched disc bend specimens under mixed mode I + III loading. <i>Physical Mesomechanics</i> , 2016, 19, 355-364.	1.9	68
58	Investigation of fracture toughness for a polycrystalline graphite under combined tensile-tear deformation. <i>Theoretical and Applied Fracture Mechanics</i> , 2017, 90, 53-64.	4.7	66
59	An extended edge-notched disc bend (ENDB) specimen for mixed-mode I+II fracture assessments. <i>International Journal of Solids and Structures</i> , 2020, 193-194, 239-250.	2.7	65
60	On the comparison of two mixed-mode I+III fracture test specimens. <i>Engineering Fracture Mechanics</i> , 2021, 241, 107434.	4.3	65
61	On the use of edge cracked short bend beam specimen for PMMA fracture toughness testing under mixed-mode I/II. <i>Polymer Testing</i> , 2020, 81, 106199.	4.8	63
62	Using the generalized maximum tangential stress criterion to predict mode II fracture of hot mix asphalt in terms of mode I results – A statistical analysis. <i>Construction and Building Materials</i> , 2019, 213, 483-491.	7.2	62
63	The effect of ENDB specimen geometry on mode I fracture toughness and fracture energy of HMA and SMA mixtures at low temperatures. <i>Engineering Fracture Mechanics</i> , 2019, 216, 106496.	4.3	61
64	Evaluating mode I fracture resistance in asphalt mixtures using edge notched disc bend ENDB specimen with different geometrical and environmental conditions. <i>Engineering Fracture Mechanics</i> , 2018, 190, 245-258.	4.3	60
65	Fracture loads prediction of the modified 3D-printed ABS specimens under mixed-mode I/II loading. <i>Engineering Fracture Mechanics</i> , 2020, 235, 107181.	4.3	60
66	Optimization of high-strength self-consolidating concrete mix design using an improved Taguchi optimization method. <i>Construction and Building Materials</i> , 2020, 236, 117547.	7.2	59
67	Mixed mode I/II fracture investigation of Perspex based on the averaged strain energy density criterion. <i>Physical Mesomechanics</i> , 2017, 20, 149-156.	1.9	58
68	On mixed-mode I/II crack growth in dental resin materials. <i>Scripta Materialia</i> , 2008, 59, 258-261.	5.2	57
69	Fracture properties of hybrid fibre-reinforced roller-compacted concrete in mode I with consideration of possible kinked crack. <i>Construction and Building Materials</i> , 2018, 187, 248-256.	7.2	56
70	On fracture initiation angle near bi-material notches – Effects of first non-singular stress term. <i>Engineering Fracture Mechanics</i> , 2014, 119, 124-131.	4.3	55
71	The role of first non-singular stress terms in mixed mode brittle fracture of V-notched components: an experimental study. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 623-641.	3.4	55
72	Mechanical and metallurgical properties of dissimilar AA6061-T6 and AA7277-T6 joint made by FSW technique. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 86, 2551-2565.	3.0	52

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73	Fracture Analysis of Some Ceramics Under Mixed Mode Loading. Journal of the American Ceramic Society, 2011, 94, 561-569.	3.8	51
74	On predicting mode II fracture toughness (K _{IIc}) of hot mix asphalt mixtures using the strain energy density criterion. Theoretical and Applied Fracture Mechanics, 2019, 99, 36-43.	4.7	51
75	Thickness effect on the mode III fracture resistance and fracture path of rock using ENDB specimens. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 277-291.	3.4	50
76	Low temperature fracture resistance of cement emulsified asphalt mortar under mixed mode I/III loading. Theoretical and Applied Fracture Mechanics, 2020, 110, 102800.	4.7	50
77	Fracture load prediction under mixed mode I+II using a stress based method for brittle materials tested with the asymmetric four-point bend specimen. Theoretical and Applied Fracture Mechanics, 2019, 103, 102249.	4.7	49
78	Influence of specimen geometry on mode I fracture toughness of asphalt concrete. Construction and Building Materials, 2021, 276, 122181.	7.2	49
79	The effect of recycled PET bottles on the fracture toughness of polymer concrete. Composites Communications, 2021, 25, 100684.	6.3	48
80	Effects of loading, geometry and material properties on fracture parameters of a pavement containing top-down and bottom-up cracks. Engineering Fracture Mechanics, 2016, 166, 182-197.	4.3	47
81	Indirect tensile test assessments for rock materials using 3-D disc-type specimens. Arabian Journal of Geosciences, 2014, 7, 4757-4766.	1.3	44
82	Numerical Analyses of a Cracked Straight-Through Flattened Brazilian Disk Specimen under Mixed-Mode Loading. Journal of Engineering Mechanics - ASCE, 2014, 140, 219-224.	2.9	43
83	On the use of an anti-symmetric four-point bend specimen for mode II fracture experiments. Fatigue and Fracture of Engineering Materials and Structures, 2011, 34, 898-907.	3.4	42
84	Mode II Brittle Fracture Assessment Using ASFPB Specimen. International Journal of Fracture, 2009, 159, 241-246.	2.2	41
85	Full range I/II fracture behavior of asphalt mixtures containing RAP and rejuvenating agent using two different 3-point bend type configurations. Construction and Building Materials, 2022, 314, 125590.	7.2	41
86	Laboratory study of the effect of oil-based recycling agents on high RAP asphalt mixtures. International Journal of Pavement Engineering, 2021, 22, 1423-1434.	4.4	39
87	Modes I and II stress intensity factors of semi-circular bend specimen computed for two-phase aggregate/mastic asphalt mixtures. Theoretical and Applied Fracture Mechanics, 2020, 106, 102437.	4.7	38
88	Specimen type effect on measured low temperature fracture toughness of asphalt concrete. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 551-567.	3.4	38
89	Assessment of freezing and thawing cycle (FTC) effects on mixed mode I/III fracture toughness and work of fracture of HMA asphalt mixtures. Theoretical and Applied Fracture Mechanics, 2022, 118, 103261.	4.7	37
90	Fracture resistance study for hot mix asphalt mixture under out of plane sliding mode. Engineering Fracture Mechanics, 2020, 238, 107230.	4.3	36

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91	Comparison of Testing Method Effects on Cracking Resistance of Asphalt Concrete Mixtures. Applied Sciences (Switzerland), 2021, 11, 5094.	2.5	36
92	Investigating the effects of loading, mechanical properties and layers geometry on fatigue life of asphalt pavements. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 1563-1577.	3.4	34
93	Sub-sized short bend beam configuration for the study of mixed-mode fracture. Engineering Fracture Mechanics, 2020, 225, 106830.	4.3	34
94	Loading rate effect on mixed mode I/II brittle fracture behavior of PMMA using inclined cracked SBB specimen. International Journal of Solids and Structures, 2021, 232, 111177.	2.7	34
95	Evaluation of the geometrical discontinuity effect on mixed-mode I/II fracture load of FDM 3D-printed parts. Theoretical and Applied Fracture Mechanics, 2021, 113, 102953.	4.7	33
96	Heterogeneity effects on mixed-mode I/II stress intensity factors and fracture path of laboratory asphalt mixtures in the shape of SCB specimen. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 586-604.	3.4	32
97	The role of mix design and short glass fiber content on mode-I cracking characteristics of polymer concrete. Construction and Building Materials, 2022, 317, 126139.	7.2	32
98	On the use of different diametral compression cracked disc shape specimens for introducing mode III deformation. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 3135-3151.	3.4	31
99	The effect of loading rate on fracture energy of asphalt mixture at intermediate temperatures and under different loading modes. Frattura Ed Integrita Strutturale, 2018, 12, 113-132.	0.9	31
100	Crack resistance of fiber-reinforced asphalt mixtures: Effect of test specimen and test condition. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 921-937.	3.4	31
101	Experimental Fracture Toughness Study for some Modified Asphalt Mixtures. Advanced Materials Research, 0, 723, 337-344.	0.3	30
102	K_{Ic} and K_{IIc} measurement for hot mix asphalt mixtures at low temperature: Experimental and theoretical study using the semicircular bend specimen with different thicknesses. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 832-846.	3.4	29
103	Tensile mode fracture toughness experiments on andesite rock using disc and semi-disc bend geometries with varying loading spans. Theoretical and Applied Fracture Mechanics, 2022, 119, 103325.	4.7	29
104	Effects of biocompatible Nanofillers on mixed-mode I and II fracture toughness of PMMA base dentures. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 103, 103566.	3.1	28
105	Effect of bitumen type, temperature and aging on mixed I/II fracture toughness of asphalt binders-experimental and theoretical assessment. Theoretical and Applied Fracture Mechanics, 2020, 110, 102801.	4.7	28
106	Contribution of Interface Fracture Mechanism on Fracture Propagation Trajectory of Heterogeneous Asphalt Composites. Applied Sciences (Switzerland), 2021, 11, 3013.	2.5	28
107	Statistical assessment on relationship between fracture parameters of plain and fiber reinforced polymer concrete materials. Composites Communications, 2021, 28, 100969.	6.3	28
108	Mixed-mode tensile/shear fracture of the additively manufactured components under dynamic and static loads. Engineering Fracture Mechanics, 2022, 260, 108185.	4.3	28

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109	Fracture parameters for a cracked semi-circular specimen. International Journal of Rock Mechanics and Minings Sciences, 2004, 41, 20-25.	5.8	27
110	Low temperature fracture toughness study for bitumen under mixed mode I+II loading condition. Engineering Fracture Mechanics, 2019, 206, 297-309.	4.3	27
111	Comprehensive data for stress intensity factor and critical crack length in chevron notched semi-circular bend specimen subjected to tensile type fracture mode. Theoretical and Applied Fracture Mechanics, 2020, 106, 102466.	4.7	26
112	Fracture analysis of dissimilar Al-Al friction stir welded joints under tensile/shear loading. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 2040-2053.	3.4	25
113	Aging effect on combined mode fracture resistance of bitumen. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 1609-1621.	3.4	25
114	A novel test device for the direct measurement of tensile strength of rock using ring shape sample. International Journal of Rock Mechanics and Minings Sciences, 2021, 139, 104649.	5.8	25
115	Mixed mode I/II crack growth investigation for bi-metal FSW aluminum alloy AA7075-T6/pure copper joints. Theoretical and Applied Fracture Mechanics, 2019, 103, 102243.	4.7	24
116	Combined effects of recycled crumb rubber and silica fume on mechanical properties and mode I fracture toughness of self-compacting concrete. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 2659-2673.	3.4	24
117	Multivariate optimization of mechanical and microstructural properties of welded joints by FSW method. Engineering Failure Analysis, 2022, 140, 106528.	4.0	24
118	Evaluating Mechanical Properties of Macro-Synthetic Fiber-Reinforced Concrete with Various Types and Contents. Strength of Materials, 2017, 49, 618-626.	0.5	23
119	Pure mode II fracture analysis of dissimilar Al-Al and Al-Cu friction stir welded joints using the generalized MTS criterion. Theoretical and Applied Fracture Mechanics, 2019, 104, 102369.	4.7	23
120	Effect of tool parameters on mechanical properties, temperature, and force generation during FSW. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 1033-1043.	1.1	23
121	Application of asymmetric semi-circular bend test for determining mixed mode I+II fracture toughness of compacted soil material. Engineering Fracture Mechanics, 2022, 262, 108268.	4.3	23
122	Heterogeneity effect on fracture parameters of a multilayer asphalt pavement structure containing a top-down crack and subjected to moving traffic loading. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 1349-1371.	3.4	22
123	Optimization of Properties for 3D Printed PLA Material Using Taguchi, ANOVA and Multi-Objective Methodologies. Procedia Structural Integrity, 2021, 34, 71-77.	0.8	22
124	Design and validation of simple bend beam specimen for covering the full range of I+II fracture modes. European Journal of Mechanics, A/Solids, 2022, 91, 104425.	3.7	20
125	Investigation of the effect of components on tensile strength and mode-I fracture toughness of polymer concrete. Arabian Journal of Geosciences, 2022, 15, .	1.3	20
126	The microstructure and mechanical behavior of modern high temperature alloys. Engineering Solid Mechanics, 2015, 3, 1-20.	1.2	19

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127	A suitable mixed mode I/II test specimen for fracture toughness study of polyurethane foam with different cell densities. Theoretical and Applied Fracture Mechanics, 2022, 117, 103171.	4.7	19
128	Mixture optimization of epoxy base concrete for achieving highest fracture toughness and fracture energy values using Taguchi method. Composites Communications, 2022, 32, 101150.	6.3	18
129	Aging effect on the mixed-mode (I/III) fracture toughness of cement emulsified asphalt composite: Experimental and statistical investigation. Engineering Fracture Mechanics, 2022, 264, 108292.	4.3	18
130	The effect of combined mechanical load/welding residual stress on mixed mode fracture parameters of a thin aluminum cracked cylinder. Engineering Fracture Mechanics, 2017, 180, 213-228.	4.3	17
131	Prediction of load-CMOD curves for HMA mixtures at intermediate temperatures subjected to mixed mode loading. Engineering Fracture Mechanics, 2021, 254, 107937.	4.3	17
132	Experimental notched fracture resistance study for the interface of Al-Cu bimetal joints welded by friction stir welding. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 2192-2200.	2.4	15
133	Fracture and Fatigue Analysis for a Cracked Carabiner Using 3D Finite Element Simulations. Strength of Materials, 2015, 47, 890-902.	0.5	14
134	Mixed Mode I/II Fracture Analysis of Bi-Material Adhesive Bonded Joints Using a Novel Short Beam Specimen. Applied Sciences (Switzerland), 2021, 11, 5232.	2.5	14
135	Mechanical and fracture properties of aluminium cylinders manufactured by orbital friction stir welding. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 1514-1528.	3.4	13
136	Experimental and Theoretical Study of Fracture Paths in Brittle Cracked Materials Subjected to Pure Mode II Loading. Applied Mechanics and Materials, 0, 70, 159-164.	0.2	12
137	Crack growth path prediction for the angled cracked plate using higher order terms of Williams series expansion. Engineering Solid Mechanics, 2013, , 77-84.	1.2	11
138	An optimal control model for analyzing quality investment in the project management. Computers and Industrial Engineering, 2019, 129, 529-544.	6.3	11
139	Relationship between low-temperature K _{Ic} and K _{IIc} values of bitumen with different performance grades and comparison with naturally solid materials. Theoretical and Applied Fracture Mechanics, 2022, 117, 103169.	4.7	11
140	Determination of fracture parameters for a bi-material center cracked plate subjected to biaxial loading using FEOD method. Engineering Solid Mechanics, 2016, , 117-124.	1.2	10
141	Numerical and Experimental Investigations of Mixed Mode Fracture in Granite Using Four-Point-Bend Specimen. , 2009, , 275-283.		10
142	Effect of marshal and gyratory compaction methods on cracking characteristics of hot mix asphalt concrete materials under all three basic modes of fracture. Theoretical and Applied Fracture Mechanics, 2022, 117, 103207.	4.7	10
143	Characterization of the Influence of Rotational and Traverse Speeds on the Mechanical and Microstructural Properties of Wires Produced By the FSBE Method. Strength of Materials, 2022, 54, 318-330.	0.5	10
144	Mixed mode I/III fracture parameters for edge-notched diametrically compressed disc specimen. Material Design and Processing Communications, 2019, 1, e86.	0.9	9

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145	Finite Element Analysis of a New Test Specimen for Investigating Mixed Mode Cracks in Asphalt Overlays. RILEM Bookseries, 2012, , 359-367.	0.4	9
146	Fracture parameters for a cracked semi-circular specimen. International Journal of Rock Mechanics and Minings Sciences, 2004, 41, 356.	5.8	8
147	Fracture and microstructural study of bovine bone under mixed mode I/II loading. Procedia Structural Integrity, 2018, 13, 1488-1493.	0.8	8
148	Mode III fracture toughness testing and numerical modeling for aerated autoclaved concrete using notch cylinder specimen subjected to torsion. Materials Today: Proceedings, 2021, 45, 4326-4329.	1.8	8
149	Determination of permissible defect size for solid axles loaded under fully-reversed rotating bending. Engineering Solid Mechanics, 2013, , 27-36.	1.2	6
150	Systematic design of an atmospheric data acquisition flying vehicle telemetry system. Engineering Solid Mechanics, 2014, 2, 265-276.	1.2	5
151	Study of Composite Fiber Reinforcement of Cracked Thin-Walled Pressure Vessels Utilizing Multi-Scaling Technique Based on Extended Finite Element Method. Strength of Materials, 2018, 50, 925-936.	0.5	5
152	Experimental fracture resistance study for cracked bovine femur bone samples. Frattura Ed Integrita Strutturale, 2019, 13, 602-612.	0.9	4
153	Numerical analysis of crack initiation angles and propagation paths in adhesively bonded joints under mixed mode I/II loading using a novel test specimen. Procedia Structural Integrity, 2022, 39, 393-402.	0.8	3
154	Finite Element Analysis of an Improved Center Crack Specimen. Key Engineering Materials, 2007, 347, 441-446.	0.4	1
155	In-plane fracture analysis of bi-material adhesively bonded joints by using a simple bend beam specimen. Procedia Structural Integrity, 2022, 41, 87-93.	0.8	0