Ali Reza Torabi

List of Publications by Year
in descending order

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Version: 2024-02-01

153 papers	3,546 citations	136950 32 h-index	197818 49 g-index
153 all docs	153 docs citations	153 times ranked	611 citing authors

#	Article	IF	Citations
1	Brittle fracture in rounded-tip V-shaped notches. Materials & Design, 2010, 31, 60-67.	5.1	172
2	Tensile fracture in notched polycrystalline graphite specimens. Carbon, 2010, 48, 2255-2265.	10.3	124
3	Estimation of tensile load-bearing capacity of ductile metallic materials weakened by a V-notch: The equivalent material concept. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 536, 249-255.	5.6	114
4	Investigation of mixed mode brittle fracture in rounded-tip V-notched components. Engineering Fracture Mechanics, 2010, 77, 3087-3104.	4.3	110
5	A criterion for brittle fracture in U-notched components under mixed mode loading. Engineering Fracture Mechanics, 2009, 76, 1883-1896.	4.3	90
6	Determination of mode II fracture toughness for U-shaped notches using Brazilian disc specimen. International Journal of Solids and Structures, 2010, 47, 454-465.	2.7	79
7	Experimental and Theoretical Assessment of Brittle Fracture in Engineering Components Containing a Sharp V-Notch. Experimental Mechanics, 2011, 51, 919-932.	2.0	76
8	Failure assessment of notched polycrystalline graphite under tensile-shear loading. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 5685-5695.	5.6	75
9	Local strain energy density to predict mode II brittle fracture in Brazilian disk specimens weakened by V-notches with end holes. Materials & Design, 2015, 69, 22-29.	5.1	73
10	Using the generalized maximum tangential stress criterion to predict mode II fracture of hot mix asphalt in terms of mode I results â€“ A statistical analysis. Construction and Building Materials, 2019, 213, 483-491.	7.2	62
11	Tensile fracture in coarse-grained polycrystalline graphite weakened by a U-shaped notch. Engineering Fracture Mechanics, 2013, 111, 77-85.	4.3	57
12	Fracture Assessment of U-Notched Graphite Plates Under Tension. International Journal of Fracture, 2013, 181, 285-292.	2.2	50
13	Fracture analysis of U-notched disc-type graphite specimens under mixed mode loading. International Journal of Solids and Structures, 2014, 51, 1287-1298.	2.7	50
14	Mixed-mode ductile failure analysis of V-notched Al 7075-T6 thin sheets. Engineering Fracture Mechanics, 2015, 150, 70-95.	4.3	50
15	Stress-based criteria for brittle fracture in key-hole notches under mixed mode loading. European Journal of Mechanics, A/Solids, 2015, 49, 1-12.	3.7	49
16	Experimental verification of RV-MTS model for fracture in soda-lime glass weakened by a V-notch. Journal of Mechanical Science and Technology, 2011, 25, 2529-2534.	1.5	47
17	Strain energy density to assess mode II fracture in U-notched disk-type graphite plates. International Journal of Damage Mechanics, 2014, 23, 917-930.	4.2	43
18	On the use of the Equivalent Material Concept to predict tensile load-bearing capacity of ductile steel bolts containing V-shaped threads. Engineering Fracture Mechanics, 2013, 97, 136-147.	4.3	42

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19	Elastic-plastic fracture analysis of notched Al 7075-T6 plates by means of the local energy combined with the equivalent material concept. Physical Mesomechanics, 2016, 19, 204-214.	1.9	41
20	On the Ability of the Equivalent Material Concept in Predicting Ductile Failure of U-Notches under Moderate- and Large-Scale Yielding Conditions. Physical Mesomechanics, 2015, 18, 337-347.	1.9	39
21	Fracture assessment of graphite Vâ€notched and Uâ€notched specimens by using the cohesive crack model. Fatigue and Fracture of Engineering Materials and Structures, 2015, 38, 563-573.	3.4	38
22	Finite Fracture Mechanics crack initiation from a circular hole. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 1627-1636.	3.4	37
23	The Equivalent Material Concept: Application to failure of O-notches. Engineering Solid Mechanics, 2013, 1, 129-140.	1.2	36
24	Brittle fracture in V-notches with end holes. International Journal of Damage Mechanics, 2015, 24, 529-545.	4.2	36
25	Compressive brittle fracture in V-notches with end holes. European Journal of Mechanics, A/Solids, 2014, 45, 32-40.	3.7	35
26	On the necessity of using critical distance model in mixed mode brittle fracture prediction of V-notched Brazilian disk specimens under negative mode Ð† conditions. Theoretical and Applied Fracture Mechanics, 2016, 84, 38-48.	4.7	35
27	Ultimate Bending Strength Evaluation of U-Notched Ductile Steel Samples Under Large-Scale Yielding Conditions. International Journal of Fracture, 2013, 180, 261-268.	2.2	34
28	Brittle fracture assessment of engineering components in the presence of notches: a review. Fatigue and Fracture of Engineering Materials and Structures, 2016, 39, 267-291.	3.4	34
29	Mixed mode I/II crack initiation from U-notches in Al 7075-T6 thin plates by large-scale yielding regime. Theoretical and Applied Fracture Mechanics, 2016, 86, 284-291.	4.7	34
30	Size effects on brittle fracture of Brazilian disk samples containing a circular hole. Engineering Fracture Mechanics, 2017, 186, 496-503.	4.3	34
31	Sudden Fracture from U-Notches in Fine-Grained Isostatic Graphite Under Mixed Mode I/II Loading. International Journal of Fracture, 2013, 181, 309-316.	2.2	33
32	Theoretical and experimental investigation of brittle fracture in V-notched PMMA specimens under compressive loading. Engineering Fracture Mechanics, 2015, 135, 187-205.	4.3	33
33	Experimental determination of the notch stress intensity factor for sharp V-notched specimens by using the digital image correlation method. Theoretical and Applied Fracture Mechanics, 2019, 103, 102244.	4.7	33
34	Application of digital image correlation method for determination of mixed mode stress intensity factors in sharp notches. Optics and Lasers in Engineering, 2020, 124, 105830.	3.8	33
35	Experimental and theoretical investigation of brittle fracture in key-hole notches under mixed mode I/II loading. Acta Mechanica, 2015, 226, 2313-2322.	2.1	32
36	Investigation of ductile rupture in Uâ€notched Al 6061â€T6 plates under mixed mode loading. Fatigue and Fracture of Engineering Materials and Structures, 2016, 39, 551-565.	3.4	32

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37	Notch failure in laminated composites under opening mode: The Virtual Isotropic Material Concept. Composites Part B: Engineering, 2019, 172, 61-75.	12.0	32
38	Averaged strain energy density criterion to predict ductile failure of U-notched Al 6061-T6 plates under mixed mode loading. Theoretical and Applied Fracture Mechanics, 2017, 91, 86-93.	4.7	31
39	Tensile failure prediction of U-notched plates under moderate-scale and large-scale yielding regimes. Theoretical and Applied Fracture Mechanics, 2018, 97, 434-439.	4.7	31
40	Brittle fracture in key-hole notches under mixed mode loading: Experimental study and theoretical predictions. Engineering Fracture Mechanics, 2015, 134, 35-53.	4.3	30
41	Tensile fracture analysis of V-notches with end holes by means of the local energy. Physical Mesomechanics, 2015, 18, 194-202.	1.9	30
42	Fracture study in notched ductile polymeric plates subjected to mixed mode I/II loading: Application of equivalent material concept. European Journal of Mechanics, A/Solids, 2018, 70, 37-43.	3.7	30
43	Ductile failure prediction of thin notched aluminum plates subjected to combined tension-shear loading. Theoretical and Applied Fracture Mechanics, 2018, 97, 280-288.	4.7	30
44	Pure shear fracture study in a brittle graphite material containing a U-notch. International Journal of Damage Mechanics, 2014, 23, 839-854.	4.2	29
45	Prediction of fracture loads in PMMA Uâ€notched specimens using the equivalent material concept and the theory of critical distances combined criterion. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 688-699.	3.4	29
46	Fracture Assessment of Blunt V-Notched Graphite Specimens by Means of the Strain Energy Density. Strength of Materials, 2013, 45, 635-647.	0.5	28
47	Fracture Study on Key-Hole Notches Under Tension: Two Brittle Fracture Criteria and Notch Fracture Toughness Measurement by the Disk Test. Experimental Mechanics, 2015, 55, 393-401.	2.0	28
48	Application of the equivalent material concept to ductile failure prediction of blunt V-notches encountering moderate-scale yielding. International Journal of Damage Mechanics, 2016, 25, 853-877.	4.2	27
49	Tensile fracture analysis of a ductile polymeric material weakened by U-notches. Polymer Testing, 2017, 64, 117-126.	4.8	27
50	Fracture assessment of VO-notches under mode II loading: Experiments and theories. Theoretical and Applied Fracture Mechanics, 2015, 75, 59-69.	4.7	26
51	Combined tensionâ€“shear fracture analysis of V-notches with end holes. Acta Mechanica, 2015, 226, 3717-3736.	2.1	26
52	Mixed mode I/III brittle fracture in round-tip V-notches. Theoretical and Applied Fracture Mechanics, 2016, 83, 135-151.	4.7	26
53	Mixed mode fracture assessment of U-notched graphite Brazilian disk specimens by means of the local energy. Structural Engineering and Mechanics, 2014, 50, 723-740.	1.0	26
54	Fracture analysis of dissimilar Alâ€Al friction stir welded joints under tensile/shear loading. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 2040-2053.	3.4	25

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55	Wide range brittle fracture curves for U-notched components based on UMTS model. Engineering Solid Mechanics, 2013, 1, 57-68.	1.2	24
56	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
57	Closed-form expressions of mode I apparent notch fracture toughness for key-hole notches. Journal of Strain Analysis for Engineering Design, 2014, 49, 583-591.	1.8	23
58	Brittle failure of key-hole notches under mixed mode I/II loading with negative mode I contributions. Engineering Fracture Mechanics, 2016, 168, 51-72.	4.3	23
59	J-integral expression for mixed mode I/II ductile failure prediction of U-notched Al 6061-T6 plates under large-scale yielding regime. Engineering Fracture Mechanics, 2018, 195, 253-266.	4.3	23
60	On combination of the equivalent material concept and Jâ€integral criterion for ductile failure prediction of Uâ€notches subjected to tension. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 1476-1487.	3.4	23
61	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
62	The fictitious material concept. Engineering Fracture Mechanics, 2019, 209, 17-31.	4.3	23
63	Mode II Brittle Fracture Assessment of Key-Hole Notches by Means of the Local Energy. Journal of Testing and Evaluation, 2016, 44, 1261-1270.	0.7	23
64	Comprehensive data for rapid calculation of notch stress intensity factors in U-notched Brazilian disc specimen under tensile-shear loading. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 541, 135-142.	5.6	22
65	Notch ductile failure with significant strainâ€hardening: The modified equivalent material concept. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 439-453.	3.4	22
66	Mixed mode I/II brittle fracture in V-notched Brazilian disk specimens under negative mode I conditions. Physical Mesomechanics, 2016, 19, 332-348.	1.9	21
67	Predictions of fracture load, crack initiation angle, and trajectory for V-notched Brazilian disk specimens under mixed mode I/II loading with negative mode I contributions. International Journal of Damage Mechanics, 2018, 27, 1173-1191.	4.2	20
68	Energy-based ductile failure predictions in cracked friction-stir welded joints. Engineering Failure Analysis, 2019, 102, 327-337.	4.0	20
69	Evaluation of the load-carrying capacity of notched ductile plates under mixed mode loading. Theoretical and Applied Fracture Mechanics, 2016, 85, 375-386.	4.7	19
70	Fracture study of a ductile polymer-based nanocomposite weakened by blunt V-notches under mode I loading: Application of the Equivalent Material Concept. Theoretical and Applied Fracture Mechanics, 2018, 94, 26-33.	4.7	19
71	Elastic-plastic fracture assessment of CNT-reinforced epoxy/nanocomposite specimens weakened by U-shaped notches under mixed mode loading. Composites Part B: Engineering, 2019, 176, 107114.	12.0	19
72	Extensive data of notch shape factors for V-notched Brazilian disc specimen under mixed mode loading. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 8599-8609.	5.6	18

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73	Experimental verification of two stress-based criteria for mixed mode I/III brittle fracture assessment of U-notched components. Engineering Fracture Mechanics, 2017, 182, 229-244.	4.3	18
74	On the use of the extended finite element and incremental methods in brittle fracture assessment of key-hole notched polystyrene specimens under mixed mode I/II loading with negative mode I contributions. Archive of Applied Mechanics, 2018, 88, 587-612.	2.2	18
75	A successful combination of the equivalent material concept and the averaged strain energy density criterion for predicting crack initiation from blunt V-notches in ductile aluminum plates under mixed mode loading. Physical Mesomechanics, 2016, 19, 382-391.	1.9	17
76	Extension of the virtual isotropic material concept to mixed mode I/II loading for predicting the last-ply-failure of U-notched glass/epoxy laminated composite specimens. Composites Part B: Engineering, 2019, 176, 107287.	12.0	17
77	Brittle fracture analysis of blunt V-notches under compression. International Journal of Solids and Structures, 2015, 67-68, 219-230.	2.7	16
78	Mode II notch fracture toughness measurement for key-hole notches by the disk test. Journal of Strain Analysis for Engineering Design, 2015, 50, 264-275.	1.8	16
79	Tensile failure in blunt V-notched ductile members: A new formulation of the Equivalent Material Concept. Engineering Fracture Mechanics, 2017, 184, 1-13.	4.3	16
80	Estimation of Fracture Loads in AL7075-T651 Notched Specimens Using the Equivalent Material Concept Combined with the Strain Energy Density Criterion and with the Theory of Critical Distances. Metals, 2018, 8, 87.	2.3	16
81	On the ability of the notch fracture mechanics in predicting the last-ply-failure of blunt V-notched laminated composite specimens: A hard problem can be easily solved by conventional methods. Engineering Fracture Mechanics, 2019, 217, 106534.	4.3	16
82	Failure analysis of round-tip V-notched laminated composite plates under mixed mode I/II loading. Theoretical and Applied Fracture Mechanics, 2019, 104, 102342.	4.7	16
83	Mixed mode Ð†/Ð†Ð† fracture prediction of blunt V-notched nanocomposite specimens with nonlinear behavior by means of the Equivalent Material Concept. Composites Part B: Engineering, 2018, 154, 363-373.	12.0	15
84	Ductile failure analysis of blunt V-notched epoxy resin plates subjected to combined tension-shear loading. Polymer Testing, 2018, 70, 57-66.	4.8	15
85	Energy-based assessment of brittle fracture in VO-notched polymer specimens under combined compression-shear loading conditions. International Journal of Damage Mechanics, 2019, 28, 664-689.	4.2	15
86	Application of EMCâ€‰criterion to fracture prediction of Uâ€notched polymeric specimens with nonlinear behaviour. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 352-362.	3.4	15
87	Experimental verification of the Fictitious Material Concept for tensile fracture in short glass fibre reinforced polyamide 6 notched specimens with variable moisture. Engineering Fracture Mechanics, 2019, 212, 95-105.	4.3	15
88	Fracture study in notched graphite specimens subjected to mixed mode I/II loading: Application of XFEM based on the cohesive zone model. Theoretical and Applied Fracture Mechanics, 2019, 99, 60-70.	4.7	15
89	Mixed mode notch fracture toughness assessment of quasi-brittle polymeric specimens at different scales. Theoretical and Applied Fracture Mechanics, 2020, 109, 102682.	4.7	15
90	Brittle failure of PMMA in the presence of blunt V-notches under combined tension-tear loading: Experiments and stress-based theories. Polymer Testing, 2018, 72, 94-109.	4.8	14

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91	Scaling effects on notch fracture toughness of graphite specimens under mode I loading. Engineering Fracture Mechanics, 2020, 235, 107153.	4.3	14
92	Notch tip plastic zone determination by extending Irwinâ€™s model. Theoretical and Applied Fracture Mechanics, 2020, 108, 102643.	4.7	14
93	Experimental and stress-based theoretical studies on mixed mode I/III fracture of round-tip V-notched Polystyrene specimens. Theoretical and Applied Fracture Mechanics, 2018, 95, 283-305.	4.7	13
94	Crack growth onset in thin aluminum sheets under mixed mode I/II loading: A new form of the Equivalent Material Concept. Thin-Walled Structures, 2019, 144, 106337.	5.3	13
95	Failure curves for predicting brittle fracture in V-notched structural components loaded under mixed tension/shear: An advanced engineering design package. Engineering Solid Mechanics, 2013, , 99-118.	1.2	12
96	Large-Scale Yielding Failure Prediction of Notched Ductile Plates by Means of the Linear Elastic Notch Fracture Mechanics. Strength of Materials, 2017, 49, 224-233.	0.5	12
97	Comprehensive notch shape factors for V-notched Brazilian disk specimens loaded under mixed mode I/II from pure opening mode to pure closing mode. Archive of Applied Mechanics, 2017, 87, 299-313.	2.2	12
98	In-situ brittle fracture analysis of sharp V-notched components using digital image correlation. Theoretical and Applied Fracture Mechanics, 2020, 106, 102484.	4.7	12
99	U-notch fracture in additively manufactured ABS specimens under symmetric three-point bending. Theoretical and Applied Fracture Mechanics, 2022, 119, 103318.	4.7	12
100	Finite Fracture Mechanics Assessment in Moderate and Large Scale Yielding Regimes. Metals, 2019, 9, 602.	2.3	11
101	Mixed mode I/II failure prediction of thin U-notched ductile steel plates with significant strain-hardening and large strain-to-failure: The Fictitious Material Concept. European Journal of Mechanics, A/Solids, 2019, 75, 225-236.	3.7	11
102	Using the Equivalent Material Concept and the Average Strain Energy Density to Analyse the Fracture Behaviour of Structural Materials. Applied Sciences (Switzerland), 2020, 10, 1601.	2.5	11
103	A new methodology inspired from the Theory of Critical Distances for determination of inherent tensile strength and fracture toughness of rock materials. International Journal of Rock Mechanics and Minings Sciences, 2022, 152, 105073.	5.8	11
104	Implementation of XFEM for fracture prediction of VO-notched brittle specimens. European Journal of Mechanics, A/Solids, 2020, 81, 103970.	3.7	10
105	Free vibration analysis of a laminated beam using dynamic stiffness matrix method considering delamination. Thin-Walled Structures, 2021, 166, 107952.	5.3	10
106	Predicting the fracture trajectory in U, VO, and key-hole notched specimens using an incremental approach. Engineering Fracture Mechanics, 2018, 200, 189-207.	4.3	9
107	On the use of digital image correlation method for determining the stress field at blunt V-notch neighborhood. Engineering Fracture Mechanics, 2020, 223, 106768.	4.3	9
108	Semi-analytical estimation of the effective plastic zone size at U-notch neighborhood in thin sheets under mixed mode I/II loading. Engineering Fracture Mechanics, 2020, 239, 107323.	4.3	9

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109	Tensile Fracture Analysis of Key-Hole Notches by Means of the Strain Energy Density. Strength of Materials, 2016, 48, 259-269.	0.5	8
110	Experimental verification of the virtual isotropic material concept for the last-ply-failure of U-notched quasi-isotropic E-glass/epoxy composite laminates under tension-shear loading. Journal of Industrial Textiles, 2022, 51, 3949S-3979S.	2.4	8
111	Application of the equivalent material concept to the study of the ductile failure due to U-notches. International Journal of Pressure Vessels and Piping, 2019, 172, 65-69.	2.6	7
112	Limit curves for brittle fracture in key-hole notches under mixed mode I/III loading based on stress-based criteria. European Journal of Mechanics, A/Solids, 2021, 85, 104089.	3.7	7
113	Critical Load Prediction in Notched E/Glassâ€“Epoxy-Laminated Composites Using the Virtual Isotropic Material Concept Combined with the Average Strain Energy Density Criterion. Polymers, 2021, 13, 1057.	4.5	7
114	Mixed mode I/II crack propagation in stainless steel 316L sheets by large plastic deformations: Prediction of critical load by combining LEFM with fictitious material concept. Engineering Fracture Mechanics, 2021, 247, 107657.	4.3	7
115	Notch Fracture Toughness Evaluation for a Brittle Graphite Material. Materials Performance and Characterization, 2014, 3, 20130041.	0.3	7
116	Fracture testing and estimation of critical loads in a PMMA-based dental material with nonlinear behavior in the presence of notches. Theoretical and Applied Fracture Mechanics, 2022, 118, 103282.	4.7	7
117	Elasticâ€“plastic damage prediction in notched epoxy resin specimens under mixed mode I/II loading using two virtual linear elastic failure criteria. International Journal of Damage Mechanics, 2020, 29, 1100-1116.	4.2	6
118	Static Strength of V-Notches With End Holes Under Combined Tension-Shear Loading: Experimental Measurement by the Disk Test and Theoretical Prediction by the Local Energy. Journal of Testing and Evaluation, 2017, 45, 20140496.	0.7	6
119	Determination of permissible defect size for solid axles loaded under fully-reversed rotating bending. Engineering Solid Mechanics, 2013, , 27-36.	1.2	6
120	Translaminar notch fracture toughness expressions for composite laminates. Theoretical and Applied Fracture Mechanics, 2022, 119, 103332.	4.7	6
121	Failure Analysis and Repair of a Catastrophically Damaged Gas Turbine Compressor Disk Using SEM Technique and CFD Analysis. Journal of Failure Analysis and Prevention, 2012, 12, 391-401.	0.9	5
122	Experimental and theoretical investigation of mixed mode I/III brittle fracture of U-notched polystyrene components. Journal of Strain Analysis for Engineering Design, 2018, 53, 15-25.	1.8	5
123	Pure mode III fracture of U-notched specimens made of PMMA and GPPS polymers: Experimental and theoretical evaluations. Engineering Fracture Mechanics, 2019, 211, 70-81.	4.3	5
124	Fracture of U- and V-notched Al6061-T6 plates: The first examination of the Fictitious Material Concept under mixed mode I/III loading. Theoretical and Applied Fracture Mechanics, 2020, 109, 102766.	4.7	5
125	Fatigue Crack Growth in a Solid Circular Shaft Under Fully Reversed Rotating Bending. Journal of Failure Analysis and Prevention, 2012, 12, 419-426.	0.9	4
126	Application of the equivalent material concept to fracture of U-notched solids under small scale yielding. Procedia Structural Integrity, 2018, 13, 267-272.	0.8	4

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127	Mode III Notch Fracture Toughness Assessment for Various Notch Features. Physical Mesomechanics, 2018, 21, 320-332.	1.9	4
128	Fracture Behavior of Two Biopolymers Containing Notches: Effects of Notch Tip Plasticity. Applied Sciences (Switzerland), 2020, 10, 8445.	2.5	4
129	Extension of the Equivalent Material Concept to Compressive Loading: Combination with LEFM Criteria for Fracture Prediction of Keyhole Notched Polymeric Samples. Applied Sciences (Switzerland), 2021, 11, 4138.	2.5	4
130	A Methodology to Determine the Effective Plastic Zone Size Around Blunt V-Notches under Mixed Mode I/II Loading and Plane-Stress Conditions. Metals, 2021, 11, 1042.	2.3	4
131	On the use of the combined FMC-ASED criterion for fracture prediction of notched specimens with nonlinear behavior. Procedia Structural Integrity, 2020, 28, 84-92.	0.8	4
132	A two-level strategy for simplification of fracture prediction in notched orthotropic samples with nonlinear behavior. Theoretical and Applied Fracture Mechanics, 2022, 120, 103388.	4.7	4
133	On Suitability of the Averaged Strain Energy Density Criterion in Predicting Mixed Mode I/II Brittle Fracture of Blunt V-Notches with Negative Mode I Contributions. Strength of Materials, 2019, 51, 770-785.	0.5	3
134	On the use of the Fictitious Material Concept in estimating the ultimate load of keyhole notched AA6061â€T6 specimens under large tensionâ€torsion deformations. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 488-504.	3.4	3
135	Notch Fracture in Polymeric Specimens under Compressive Stresses: The Role of the Equivalent Material Concept in Estimating the Critical Stress of Polymers. Applied Sciences (Switzerland), 2021, 11, 2104.	2.5	3
136	Elastoplastic fracture analysis of thin notched AA7075â€AA2024 dissimilar frictionâ€stirâ€welded plates under mixed mode I/II loading. Fatigue and Fracture of Engineering Materials and Structures, 0, , .	3.4	3
137	Providing a virtual material for simple estimation of fracture in U-notched highly orthotropic specimens with nonlinear behavior under mixed mode I/II loading. Theoretical and Applied Fracture Mechanics, 2022, 121, 103485.	4.7	3
138	Evaluation of the equivalent material concept in mixed mode I/III fracture estimation of V-notched Al7075-T6 plates. Engineering Fracture Mechanics, 2020, 237, 107259.	4.3	2
139	Unsteady aero-elastic analysis of a composite wing containing an edge crack. Aerospace Science and Technology, 2021, 115, 106769.	4.8	2
140	An extension of the Equivalent Material Concept applied to fracture of U-notched solids. Procedia Structural Integrity, 2020, 28, 752-763.	0.8	2
141	Investigation of notch effects on load-bearing capacity of AA7075-AA7075 friction-stir welded joints under mixed mode I/II loading. Theoretical and Applied Fracture Mechanics, 2022, 118, 103252.	4.7	2
142	Jâ€integral evaluation for Vâ€notched ductile plates subjected to tension. Material Design and Processing Communications, 2020, 2, e91.	0.9	1
143	Strain Energy Density-Predicted Brittle Fracture of U-Notched Components Under Combined Tension/Tear Loading. Strength of Materials, 2021, 53, 1-10.	0.5	1
144	Delamination effects on the unsteady aero-elastic behavior of composite wing by modal analysis. JVC/Journal of Vibration and Control, 0, , 107754632110192.	2.6	1

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145	Compressive fracture analysis of U-notched specimens made of porous graphite reinforced by aluminum particles. Diamond and Related Materials, 2021, 120, 108613.	3.9	1
146	Fracture Load Predictions in Short Glass Fiber Reinforced Polyamide 6 U-Notched Specimens Combining the Equivalent Material Concept and the Theory of Critical Distances. Journal of Testing and Evaluation, 2020, 48, 1226-1251.	0.7	1
147	Experimental Verification of the Averaged Strain Energy Density Criterion for Brittle Fracture in Blunt V-Notches under Pure Compression. Strength of Materials, 0, , .	0.5	1
148	Tensile-Tearing Fracture Analysis of U-Notched Spruce Samples. Materials, 2022, 15, 3661.	2.9	1
149	Experimental fracture study for a V-notched soda-lime glass specimen. , 2009, , .		0
150	Compressive Brittle Fracture Prediction in Blunt V-Notched PMMA Specimens by Means of the Strain Energy Density Approach. Physical Mesomechanics, 2018, 21, 104-109.	1.9	0
151	Brazilian disk tests: Circular holes and size effects. Procedia Structural Integrity, 2018, 13, 596-600.	0.8	0
152	Out-of-plane shear fracture analysis of PMMA and GPPS polymers weakened by round-tip V-notches. Theoretical and Applied Fracture Mechanics, 2019, 104, 102360.	4.7	0
153	A Modified Mean Stress Criterion for Considering Size Effects on Mode I Fracture Estimation of Rounded-Tip V-Notched Polymeric Specimens. Polymers, 2022, 14, 1491.	4.5	0