Marcelo de Moura

List of Publications by Year
in descending order

183	8,967	44069	51608
papers	citations	48 h-index	86 g-index

188	188	188	3670
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Adhesive Type and Thickness on the Lap Shear Strength. Journal of Adhesion, 2006, 82, 1091-1115.	3.0	402
2	Mixed-mode decohesion elements for analyses of progressive delamination. , 2001, , .		251
3	Crack equivalent concept applied to the fracture characterization of bonded joints under pure mode I loading. Composites Science and Technology, 2008, 68, 2224-2230.	7.8	230
4	A new data reduction scheme for mode I wood fracture characterization using the double cantilever beam test. Engineering Fracture Mechanics, 2008, 75, 3852-3865.	4.3	191
5	Modelling single and double-lap repairs on composite materials. Composites Science and Technology, 2005, 65, 1948-1958.	7.8	189
6	Pure mode II fracture characterization of composite bonded joints. International Journal of Solids and Structures, 2009, 46, 1589-1595.	2.7	179
7	Cohesive and continuum mixed-mode damage models applied to the simulation of the mechanical behaviour of bonded joints. International Journal of Adhesion and Adhesives, 2008, 28, 419-426.	2.9	172
8	Prediction of low velocity impact damage in carbonâ€“epoxy laminates. Composites Part A: Applied Science and Manufacturing, 2002, 33, 361-368.	7.6	171
9	Using a cohesive damage model to predict the tensile behaviour of CFRP single-strap repairs. International Journal of Solids and Structures, 2008, 45, 1497-1512.	2.7	170
10	Fracture Mechanics Tests in Adhesively Bonded Joints: A Literature Review. Journal of Adhesion, 2014, 90, 955-992.	3.0	166
11	Modelling the tensile fracture behaviour of CFRP scarf repairs. Composites Part B: Engineering, 2009, 40, 149-157.	12.0	151
12	A three-dimensional finite element model for stress analysis of adhesive joints. International Journal of Adhesion and Adhesives, 2002, 22, 357-365.	2.9	148
13	Modelling the interaction between matrix cracking and delamination in carbonâ€“epoxy laminates under low velocity impact. Composites Science and Technology, 2004, 64, 1021-1027.	7.8	144
14	Mode-I interlaminar fracture of carbon/epoxy cross-ply composites. Composites Science and Technology, 2002, 62, 679-686.	7.8	143
15	Equivalent crack based analyses of ENF and ELS tests. Engineering Fracture Mechanics, 2008, 75, 2584-2596.	4.3	116
16	Equivalent crack based mode II fracture characterization of wood. Engineering Fracture Mechanics, 2006, 73, 978-993.	4.3	114
17	The effect of hybridization on the GFRP behavior under high velocity impact. Composites Part B: Engineering, 2009, 40, 798-803.	12.0	107
18	Surface treatment of CFRP composites using femtosecond laser radiation. Optics and Lasers in Engineering, 2017, 94, 37-43.	3.8	105

#	Article	IF	Citations
19	Modeling Compression Failure after Low Velocity Impact on Laminated Composites Using Interface Elements. Journal of Composite Materials, 1997, 31, 1462-1479.	2.4	103
20	Mode II Fracture Toughness of a Brittle and a Ductile Adhesive as a Function of the Adhesive Thickness. Journal of Adhesion, 2010, 86, 891-905.	3.0	95
21	Interface element including pointâ€toâ€surface constraints for threeâ€dimensional problems with damage propagation. Engineering Computations, 2000, 17, 28-47.	1.4	94
22	Stress and failure analyses of scarf repaired CFRP laminates using a cohesive damage model. Journal of Adhesion Science and Technology, 2007, 21, 855-870.	2.6	94
23	Tensile behaviour of three-dimensional carbon-epoxy adhesively bonded single- and double-strap repairs. International Journal of Adhesion and Adhesives, 2009, 29, 678-686.	2.9	91
24	Comparison of fracture properties of two wood species through cohesive crack simulations. Composites Part A: Applied Science and Manufacturing, 2008, 39, 415-427.	7.6	89
25	Numerical prediction of delamination onset in carbon/epoxy composites drilling. Engineering Fracture Mechanics, 2008, 75, 2767-2778.	4.3	86
26	Interlaminar and intralaminar fracture characterization of composites under mode I loading. Composite Structures, 2010, 92, 144-149.	5.8	84
27	Simulation of mechanical behaviour of composite bonded joints containing strip defects. International Journal of Adhesion and Adhesives, 2006, 26, 464-473.	2.9	83
28	Numerical simulation of the drilling process on carbon/epoxy composite laminates. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1325-1333.	7.6	78
29	Single-Lap Joints of Similar and Dissimilar Adherends Bonded with an Acrylic Adhesive. Journal of Adhesion, 2009, 85, 351-376.	3.0	78
30	Prediction of compressive strength of carbonâ€“epoxy laminates containing delamination by using a mixed-mode damage model. Composite Structures, 2000, 50, 151-157.	5.8	72
31	Analysis of crack propagation in double cantilever beam tests of multidirectional laminates. Mechanics of Materials, 2003, 35, 641-652.	3.2	72
32	Numerical prediction on the tensile residual strength of repaired CFRP under different geometric changes. International Journal of Adhesion and Adhesives, 2009, 29, 195-205.	2.9	72
33	A straightforward method to obtain the cohesive laws of bonded joints under mode I loading. International Journal of Adhesion and Adhesives, 2012, 39, 54-59.	2.9	71
34	Evaluation of stress concentration effects in single-lap bonded joints of laminate composite materials. International Journal of Adhesion and Adhesives, 2005, 25, 313-319.	2.9	69
35	Large deflection and stresses in variable stiffness composite laminates with curvilinear fibres. International Journal of Mechanical Sciences, 2013, 73, 14-26.	6.7	68
36	Delamination Effect on Bending Behaviour in Carbonâ€“Epoxy Composites. Strain, 2011, 47, 203-208.	2.4	66

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37	Cohesive zone model for high-cycle fatigue of adhesively bonded joints under mode I loading. International Journal of Solids and Structures, 2014, 51, 1123-1131.	2.7	64
38	Determination of cohesive laws of composite bonded joints under mode II loading. Composites Part B: Engineering, 2013, 52, 269-274.	12.0	63
39	Application of interface finite elements to three-dimensional progressive failure analysis of adhesive joints. Fatigue and Fracture of Engineering Materials and Structures, 2003, 26, 479-486.	3.4	62
40	Mode III interlaminar fracture of carbon/epoxy laminates using the edge crack torsion (ECT) test. Composites Science and Technology, 2009, 69, 670-676.	7.8	61
41	Numerical simulation of the crushing process of composite materials. International Journal of Crashworthiness, 2004, 9, 263-276.	1.9	58
42	The double cantilever beam test applied to mode I fracture characterization of cortical bone tissue. Journal of the Mechanical Behavior of Biomedical Materials, 2010, 3, 446-453.	3.1	58
43	Cohesive laws of composite bonded joints under mode I loading. Composite Structures, 2013, 106, 646-652.	5.8	55
44	Numerical analysis of the ENF test for mode II wood fracture. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1334-1344.	7.6	53
45	Numerical evaluation of three-dimensional scarf repairs in carbon-epoxy structures. International Journal of Adhesion and Adhesives, 2010, 30, 329-337.	2.9	52
46	Effect of moisture on pure mode I and II fracture behaviour of composite bonded joints. International Journal of Adhesion and Adhesives, 2016, 68, 30-38.	2.9	52
47	Residual Strength after Low Velocity Impact in Carbon-Epoxy Laminates. Materials Science Forum, 2006, 514-516, 624-628.	0.3	51
48	Cohesive and continuum damage models applied to fracture characterization of bonded joints. International Journal of Mechanical Sciences, 2006, 48, 493-503.	6.7	50
49	Mode I interlaminar fracture of woven glass/epoxy multidirectional laminates. Composites Part A: Applied Science and Manufacturing, 2005, 36, 1119-1127.	7.6	49
50	Influence of multi-impacts on GFRP composites laminates. Composites Part B: Engineering, 2013, 52, 93-99.	12.0	49
51	Thermoplastic Composites and Their Promising Applications in Joining and Repair Composites Structures: A Review. Materials, 2020, 13, 5832.	2.9	49
52	Damage detection on laminated composite materials using several NDT techniques. Insight: Non-Destructive Testing and Condition Monitoring, 2012, 54, 14-20.	0.6	46
53	Effect of temperature on pure modes I and II fracture behavior of composite bonded joints. Composites Part B: Engineering, 2016, 96, 35-44.	12.0	46
54	Crack equivalent based method applied to wood fracture characterization using the single edge notched-three point bending test. Engineering Fracture Mechanics, 2010, 77, 510-520.	4.3	45

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55	Buckling Behaviour of Carbonâ€“Epoxy Adhesively-Bonded Scarf Repairs. Journal of Adhesion Science and Technology, 2009, 23, 1493-1513.	2.6	43
56	Bilinear approximations to the mode II delamination cohesive law using an inverse method. Mechanics of Materials, 2012, 49, 42-50.	3.2	42
57	Mixed-mode I+II fatigue/fracture characterization of composite bonded joints using the Single-Leg Bending test. Composites Part A: Applied Science and Manufacturing, 2013, 44, 63-69.	7.6	42
58	A new energy based mixed-mode cohesive zone model. International Journal of Solids and Structures, 2016, 102-103, 112-119.	2.7	41
59	Numerical analysis of the MMB test for mixed-mode I/II wood fracture. Composites Science and Technology, 2007, 67, 1764-1771.	7.8	40
60	The Influence of the Boundary Conditions on Lowâ€Velocity Impact Composite Damage. Strain, 2011, 47, e220.	2.4	40
61	Computational Modelling of the Residual Strength of Repaired Composite Laminates Using a Cohesive Damage Model. Journal of Adhesion Science and Technology, 2008, 22, 1565-1591.	2.6	38
62	Failure analysis of quasi-isotropic CFRP laminates under high strain rate compression loading. Composite Structures, 2008, 84, 362-368.	5.8	37
63	Mixed-mode I/II wood fracture characterization using the mixed-mode bending test. Engineering Fracture Mechanics, 2010, 77, 144-152.	4.3	37
64	Composite bonded joints under mode I fatigue loading. International Journal of Adhesion and Adhesives, 2011, 31, 280-285.	2.9	37
65	Evaluation of initiation criteria used in interlaminar fracture tests. Engineering Fracture Mechanics, 2006, 73, 2264-2276.	4.3	36
66	Fracture behaviour of damaged wood beams repaired with an adhesively-bonded composite patch. Composites Part A: Applied Science and Manufacturing, 2009, 40, 852-859.	7.6	35
67	Bilinear approximations to the mixed-mode Iâ€“II delamination cohesive law using an inverse method. Composite Structures, 2015, 122, 361-366.	5.8	35
68	Assessment of initiation criteria used in interlaminar fracture tests of composites. Engineering Fracture Mechanics, 2005, 72, 2615-2627.	4.3	34
69	Numerical analysis of the Edge Crack Torsion test for mode III interlaminar fracture of composite laminates. Engineering Fracture Mechanics, 2009, 76, 469-478.	4.3	34
70	Buckling strength of adhesively-bonded single and double-strap repairs on carbon-epoxy structures. Composites Science and Technology, 2010, 70, 371-379.	7.8	34
71	Influence of open holes on composites delamination induced by low velocity impact loads. Composite Structures, 2013, 97, 239-244.	5.8	34
72	Cohesive zone model for high-cycle fatigue of composite bonded joints under mixed-mode I+II loading. Engineering Fracture Mechanics, 2015, 140, 31-42.	4.3	34

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73	Application of acoustic emission to study creep behaviour of composite bonded lap shear joints. NDT and E International, 2005, 38, 45-52.	3.7	33
74	Mode II wood fracture characterization using the ELS test. Engineering Fracture Mechanics, 2007, 74, 2133-2147.	4.3	33
75	Direct Evaluation of Cohesive Law in Mode I of Pinus pinaster by Digital Image Correlation. Experimental Mechanics, 2014, 54, 829.	2.0	33
76	Determination of cohesive laws in wood bonded joints under mode II loading using the ENF test. International Journal of Adhesion and Adhesives, 2014, 51, 54-61.	2.9	33
77	Experimental and numerical evaluation of composite repairs on wood beams damaged by cross-graining. Construction and Building Materials, 2010, 24, 531-537.	7.2	32
78	A review on the environmental degradation effects on fatigue behaviour of adhesively bonded joints. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 1307-1326.	3.4	32
79	Pure mode I and II interlaminar fracture characterization of carbon-fibre reinforced polyamide composite. Composites Part B: Engineering, 2019, 169, 126-132.	12.0	31
80	Numerical simulation of the ENF test for the mode-II fracture characterization of bonded joints. Journal of Adhesion Science and Technology, 2006, 20, 37-52.	2.6	30
81	Application of the end loaded split and single-leg bending tests to the mixed-mode fracture characterization of wood. Holzforschung, 2009, 63, 597-602.	1.9	30
82	Repairing wood beams under bending using carbonâ€“epoxy composites. Engineering Structures, 2012, 34, 342-350.	5.3	29
83	Direct and inverse methods applied to the determination of mode I cohesive law of bovine cortical bone using the DCB test. International Journal of Solids and Structures, 2017, 128, 210-220.	2.7	28
84	Mixed-mode (I+II) fracture characterization of wood bonded joints. Construction and Building Materials, 2011, 25, 1956-1962.	7.2	27
85	Study of the interlaminar fracture under mode I loading on FFF printed parts. Composite Structures, 2019, 214, 316-324.	5.8	27
86	Data reduction scheme for measuring G _{IIc} of wood in end-notched flexure (ENF) tests. Holzforschung, 2009, 63, 99-106.	1.9	26
87	Damage onset on tow-placed variable stiffness composite laminates. Composite Structures, 2014, 113, 419-428.	5.8	26
88	Estimate of resistance-curve in wood through the double cantilever beam test. Holzforschung, 2010, 64, .	1.9	25
89	Measurement of Mode I and Mode II Fracture Properties of Wood-Bonded Joints. Journal of Adhesion Science and Technology, 2011, 25, 2881-2895.	2.6	25
90	Characterization of composite bonded joints under pure mode II fatigue loading. Composite Structures, 2013, 95, 222-226.	5.8	25

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91	Mode II fracture characterization of a hybrid cork/carbon-epoxy laminate. Composites Part B: Engineering, 2015, 76, 44-51.	12.0	25
92	Influence of intralaminar cracking on the apparent interlaminar mode I fracture toughness of crossâ€ply laminates. Fatigue and Fracture of Engineering Materials and Structures, 2004, 27, 759-766.	3.4	24
93	Mode III interlaminar fracture of carbon/epoxy laminates using the Six-Point Edge Crack Torsion (6ECT). Composites Part A: Applied Science and Manufacturing, 2011, 42, 1793-1799.	7.6	24
94	Application of Cohesive Zone Modeling to Composite Bonded Repairs. Journal of Adhesion, 2015, 91, 71-94.	3.0	24
95	Fracture characterization of sandwich structures interfaces under mode I loading. Composites Science and Technology, 2010, 70, 1386-1394.	7.8	23
96	Development of a cohesive zone model for fatigue/fracture characterization of composite bonded joints under mode II loading. International Journal of Adhesion and Adhesives, 2014, 54, 224-230.	2.9	23
97	Experimental Investigation of Delamination in Composite Continuous Fiber-Reinforced Plastic Laminates with Elastic Couplings. Materials, 2020, 13, 5146.	2.9	22
98	Evaluation of bone cohesive laws using an inverse method applied to the DCB test. Engineering Fracture Mechanics, 2012, 96, 724-736.	4.3	21
99	Determination of cohesive laws in wood bonded joints under mode I loading using the DCB test. Holzforschung, 2013, 67, 913-922.	1.9	21
100	High-cycle fatigue analysis of adhesively bonded composite scarf repairs. Composites Part B: Engineering, 2020, 190, 107900.	12.0	21
101	Design and analysis of a new six-point edge crack torsion (6ECT) specimen for mode III interlaminar fracture characterisation. Composites Part A: Applied Science and Manufacturing, 2011, 42, 131-139.	7.6	20
102	Fatigue/fracture characterization of composite bonded joints under mode I, mode II and mixed-mode I + II. Composite Structures, 2016, 139, 62-67.	5.8	19
103	Numerical analysis of the ENF and ELS tests applied to mode II fracture characterization of cortical bone tissue. Fatigue and Fracture of Engineering Materials and Structures, 2011, 34, 149-158.	3.4	18
104	Numerical analysis of the dual actuator load test applied to fracture characterization of bonded joints. International Journal of Solids and Structures, 2011, 48, 1572-1578.	2.7	18
105	The Effect of Hybridization on the GFRP Behavior under Quasi-Static Penetration. Mechanics of Advanced Materials and Structures, 2014, 21, 81-87.	2.6	18
106	Determining mode II cohesive law of Pinus pinaster by combining the end-notched flexure test with digital image correlation. Construction and Building Materials, 2014, 71, 109-115.	7.2	18
107	Mixed-Mode Cohesive Damage Model Applied to the Simulation of the Mechanical Behaviour of Laminated Composite Adhesive Joints. Journal of Adhesion Science and Technology, 2009, 23, 1477-1491.	2.6	17
108	Adhesively Bonded Repair Proposal for Wood Members Damaged by Horizontal Shear Using Carbon-Epoxy Patches. Journal of Adhesion, 2010, 86, 649-670.	3.0	17

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109	A numerical study on the SEN-TPB test applied to mode I wood fracture characterization. International Journal of Solids and Structures, 2011, 48, 234-242.	2.7	17
110	Bone fracture characterization under mixed-mode I + II loading using the MMB test. Engineering Fracture Mechanics, 2016, 166, 151-163.	4.3	17
111	Mixed-mode I+II fracture characterization of a hybrid carbon-epoxy/cork laminate using the Single-Leg Bending test. Composites Science and Technology, 2017, 141, 24-31.	7.8	17
112	Mode II fracture characterization of wood using the Four-Point End-Notched Flexure (4ENF) test. Theoretical and Applied Fracture Mechanics, 2018, 98, 23-29.	4.7	17
113	Stress and Failure Analysis of Repaired Sandwich Composite Beams using a Cohesive Damage Model. Journal of Sandwich Structures and Materials, 2010, 12, 369-390.	3.5	16
114	Mixed-mode I+II continuum damage model applied to fracture characterization of bonded joints. International Journal of Adhesion and Adhesives, 2013, 41, 92-97.	2.9	16
115	Bone fracture characterization using the end notched flexure test. Materials Science and Engineering C, 2013, 33, 405-410.	7.3	16
116	Fracture characterization of bonded joints using the dual actuator load apparatus. Journal of Adhesion Science and Technology, 2014, 28, 512-524.	2.6	16
117	Mixed-mode I+II fracture characterization of human cortical bone using the Single Leg Bending test. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 54, 72-81.	3.1	16
118	Determination of mode II cohesive law of bovine cortical bone using direct and inverse methods. International Journal of Mechanical Sciences, 2018, 138-139, 448-456.	6.7	16
119	Mode II fracture toughness of carbonâ€“epoxy bonded joints with femtosecond laser treated surfaces. International Journal of Mechanical Sciences, 2018, 148, 707-713.	6.7	16
120	Numerical validation of a crack equivalent method for mixed-mode I+II fracture characterization of bonded joints. Engineering Fracture Mechanics, 2013, 107, 38-47.	4.3	15
121	Quasi-static behavior of moment-carrying steelâ€“wood doweled joints. Construction and Building Materials, 2014, 53, 439-447.	7.2	15
122	Wood fracture characterization under mode I loading using the three-point-bending test. Experimental investigation of Picea abies L.. International Journal of Fracture, 2015, 194, 1-9.	2.2	15
123	Characterisation of composite bonded single-strap repairs under fatigue loading. International Journal of Mechanical Sciences, 2015, 103, 22-29.	6.7	15
124	Mode I fracture characterization of wood using the TDCB test. Theoretical and Applied Fracture Mechanics, 2018, 94, 40-45.	4.7	14
125	A novel strategy to obtain the fracture envelope under mixed-mode I+II loading of composite bonded joints. Engineering Fracture Mechanics, 2020, 232, 107032.	4.3	14
126	Thermal, Mechanical and Chemical Analysis of Poly(vinyl alcohol) Multifilament and Braided Yarns. Polymers, 2021, 13, 3644.	4.5	14

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127	Bone: An Outstanding Composite Material. Applied Sciences (Switzerland), 2022, 12, 3381.	2.5	14
128	Fatigue analysis of composite bonded repairs. Journal of Adhesion Science and Technology, 2017, 31, 2164-2179.	2.6	13
129	An experimental and numerical assessment of DCB tests on glass/polyester curved beams cut out from pipes. Polymer Testing, 2008, 27, 985-994.	4.8	12
130	Influence of the specimen thickness on low velocity impact behavior of composites. Journal of Polymer Engineering, 2012, 32, .	1.4	12
131	Mode I fracture characterization of a hybrid cork and carbonâ€“epoxy laminate. Composite Structures, 2014, 112, 248-253.	5.8	12
132	Fracture behavior of wood-steel dowel joints under quasi-static loading. Construction and Building Materials, 2018, 176, 14-23.	7.2	12
133	Direct Evaluation of Mixed Mode I+II Cohesive Laws of Wood by Coupling MMB Test with DIC. Materials, 2021, 14, 374.	2.9	12
134	Influence of inclined holes on the impact strength of CFRP composites. Composite Structures, 2017, 172, 130-136.	5.8	11
135	Fracture characterization of human cortical bone under mode II loading using the end-notched flexure test. Medical and Biological Engineering and Computing, 2017, 55, 1249-1260.	2.8	11
136	Surface patterning of CRFP composites using femtosecond laser interferometry. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	11
137	Experimental and numerical analyses of wood boards joining using wood-pin connectors. Construction and Building Materials, 2019, 222, 556-565.	7.2	11
138	Fracture characterization of bone under mode II loading using the end loaded split test. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 1764-1773.	3.1	10
139	Bone fracture characterization under mixed-mode I+II loading using the single leg bending test. Biomechanics and Modeling in Mechanobiology, 2014, 13, 1331-1339.	2.8	10
140	Influence of femtosecond laser treated surfaces on the mode I fracture toughness of carbon-epoxy bonded joints. International Journal of Adhesion and Adhesives, 2018, 82, 108-113.	2.9	10
141	Multiâ€impact response of composite laminates with open holes. Polymer Composites, 2018, 39, 2490-2498.	4.6	10
142	Moisture content effect on the fracture characterisation of Pinus pinaster under mode I. Journal of Materials Science, 2014, 49, 7371-7381.	3.7	9
143	Buckling analysis of laminated composite plates submitted to compression after impact. Fibers and Polymers, 2014, 15, 560-565.	2.1	9
144	Numerical comparison of several composite bonded repairs under fatigue loading. Composite Structures, 2020, 243, 112250.	5.8	9

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145	Evaluation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1546" altimg="si163.svg"><mml:mi>R</mml:mi></mml:math>-curves and cohesive law in mode I of European beech. Theoretical and Applied Fracture Mechanics, 2022, 118, 103220.	4.7	9
146	Fracture Characterization of Human Cortical Bone Under Mode I Loading. Journal of Biomechanical Engineering, 2015, 137, 121004.	1.3	8
147	Effect of temperature on the fracture toughness of wood under mode I quasi-static loading. Construction and Building Materials, 2019, 223, 863-869.	7.2	8
148	Mixed mode Iâ€‰+â€‰II interlaminar fracture characterization of carbon-fibre reinforced polyamide composite using the Single-Leg Bending test. Materials Today Communications, 2019, 19, 476-481.	1.9	8
149	Interlaminar mode II fracture characterization. , 2008, , 310-326.		7
150	Low velocity impact behaviour of a hybrid carbonâ€epoxy/cork laminate. Strain, 2017, 53, e12241.	2.4	7
151	Strength Prediction and Experimental Validation of Adhesive Joints Including Polyethylene, Carbon-Epoxy and Aluminium Adherends. Materials Science Forum, 0, 636-637, 1157-1164.	0.3	6
152	Repair of Wood Trusses Loaded in Tension with Adhesively Bonded Carbon-Epoxy Patches. Journal of Adhesion, 2010, 86, 630-648.	3.0	6
153	A New Procedure for Mode I Fracture Characterization of Cementâ€Based Materials. Strain, 2015, 51, 483-491.	2.4	6
154	Dimensional optimization of carbon-epoxy bars for reinforcement of wood beams. Composites Part B: Engineering, 2018, 139, 163-170.	12.0	6
155	Fatigue-fracture characterization of wood under mode I loading. International Journal of Fatigue, 2019, 121, 265-271.	5.7	6
156	Experimental and numerical mixed-mode IÂ+ÂII fracture characterization of carbon fibre reinforced polymer laminates using a novel strategy. Composite Structures, 2021, 263, 113683.	5.8	6
157	Influence of geometric and material parameters on the mode II interlaminar fatigue/fracture characterization of CFRP laminates. Composites Science and Technology, 2021, 210, 108819.	7.8	6
158	A simple strategy to perform mixed-mode I+II fatigue/fracture characterisation of composite bonded joints. International Journal of Fatigue, 2022, 158, 106723.	5.7	6
159	Numerical and experimental analyses of composite bonded double-strap repairs under high-cycle fatigue. Journal of Adhesion, 2017, 93, 980-992.	3.0	5
160	Dynamic mode II interlaminar fracture toughness of electrically modified carbon/epoxy composites. International Journal of Impact Engineering, 2022, 159, 104030.	5.0	5
161	Wood Fracture Characterization. , 0, , .		5
162	Interlaminar Fracture Characterization of a Carbon-Epoxy Composite in Pure Mode II. Materials Science Forum, 2010, 636-637, 1518-1524.	0.3	4

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163	Influence of adverse temperature and moisture conditions on the fracture behaviour of single-strap repairs of carbon-epoxy laminates. International Journal of Adhesion and Adhesives, 2020, 96, 102452.	2.9	4
164	Progressive Damage Modelling. , 2008, , 155-182.		3
165	Fracture characterization of a biâ€material bonded aluminum/CFRP joints under mixedâ€mode Iâ€‰+â€‰II loading. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 2215-2226.	3.4	3
166	A new method for the identification of cohesive laws under pure loading modes. Engineering Fracture Mechanics, 2022, 271, 108594.	4.3	3
167	The Effect of the Impactor Diameter and Boundary Conditions on Low Velocity Impact Composites Behaviour. Applied Mechanics and Materials, 2007, 7-8, 217-222.	0.2	2
168	Strength Prediction of Adhesively-Bonded Scarf Repairs in Composite Structures under Bending. Materials Science Forum, 0, 636-637, 233-238.	0.3	2
169	Development of an explicit three-dimensional progressive mixed-mode I+II damage model. Engineering Fracture Mechanics, 2019, 218, 106585.	4.3	2
170	Enhancement of stiffness and load bearing capacity of damaged mortar beams with CFRP patches. Composite Structures, 2019, 210, 518-525.	5.8	2
171	Comparison of numerical analyses of a composite wing component subjected to 4-point bending. Composites Part C: Open Access, 2022, 8, 100264.	3.2	2
172	The double cantilever beam test applied to mode I fracture characterization of polyamide 12 processed by selective laser sintering technology. Engineering Fracture Mechanics, 2022, 269, 108555.	4.3	2
173	Determination of the fracture energy under mode I loading of a honeycomb/carbon-epoxy sandwich panel using the asymmetric double cantilever beam test. Journal of Sandwich Structures and Materials, 2022, 24, 1977-1992.	3.5	2
174	Evaluation of mode I fracture toughness of cortical bone tissue in the RL crack propagation system. CiÃªncia & Tecnologia Dos Materiais, 2014, 26, 96-101.	0.5	1
175	Prediction of the influence of several parameters on the mode I interlaminar fatigue/fracture characterization of CFRP laminates. Mechanics of Advanced Materials and Structures, 2022, 29, 4291-4298.	2.6	1
176	Fracture characterisation of bone-cement bonded joints under mode I loading. Theoretical and Applied Fracture Mechanics, 2022, 120, 103404.	4.7	1
177	Osteosynthesis Metal Plate System for Bone Fixation Using Bicortical Screws: Numericalâ€“Experimental Characterization. Biology, 2022, 11, 940.	2.8	1
178	Interaction of matrix cracking and delamination. , 2008, , 327-343.		0
179	Mode II Fracture Characterization of Pinus Pinaster Wood. Materials Science Forum, 2008, 587-588, 594-598.	0.3	0
180	The Effect of the Carbon Epoxy Plateâ€™s Size under Low Velocity Impact. Materials Science Forum, 0, 587-588, 951-955.	0.3	0

#	Article	IF	Citations
181	Determining mode I cohesive law of Pinus pinaster by coupling double cantilever beam test with digital image correlation. Frattura Ed Integrita Strutturale, 2015, 9, 13-22.	0.9	0
182	Mode I fracture characterization of human bone using the DCB test. International Journal of Structural Integrity, 2015, 6, 355-366.	3.3	0
183	Experimental evaluation of cohesive laws components of mixed-mode IÂ+ÂII fracture characterization of cortical bone. Engineering Fracture Mechanics, 2022, 268, 108493.	4.3	0