

Marcelo de Moura

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183
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7,926
ext. citations

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#	Paper	IF	Citations
183	Effect of Adhesive Type and Thickness on the Lap Shear Strength 2006 , 82, 1091-1115		311
182	Mixed-mode decohesion elements for analyses of progressive delamination 2001 ,		207
181	Crack equivalent concept applied to the fracture characterization of bonded joints under pure mode I loading. <i>Composites Science and Technology</i> , 2008 , 68, 2224-2230	8.6	197
180	Modelling single and double-lap repairs on composite materials. <i>Composites Science and Technology</i> , 2005 , 65, 1948-1958	8.6	162
179	A new data reduction scheme for mode I wood fracture characterization using the double cantilever beam test. <i>Engineering Fracture Mechanics</i> , 2008 , 75, 3852-3865	4.2	159
178	Pure mode II fracture characterization of composite bonded joints. <i>International Journal of Solids and Structures</i> , 2009 , 46, 1589-1595	3.1	153
177	Cohesive and continuum mixed-mode damage models applied to the simulation of the mechanical behaviour of bonded joints. <i>International Journal of Adhesion and Adhesives</i> , 2008 , 28, 419-426	3.4	150
176	Prediction of low velocity impact damage in carbon/epoxy laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2002 , 33, 361-368	8.4	148
175	Fracture Mechanics Tests in Adhesively Bonded Joints: A Literature Review 2014 , 90, 955-992		136
174	Using a cohesive damage model to predict the tensile behaviour of CFRP single-strap repairs. <i>International Journal of Solids and Structures</i> , 2008 , 45, 1497-1512	3.1	132
173	A three-dimensional finite element model for stress analysis of adhesive joints. <i>International Journal of Adhesion and Adhesives</i> , 2002 , 22, 357-365	3.4	131
172	Modelling the interaction between matrix cracking and delamination in carbon/epoxy laminates under low velocity impact. <i>Composites Science and Technology</i> , 2004 , 64, 1021-1027	8.6	130
171	Mode-I interlaminar fracture of carbon/epoxy cross-ply composites. <i>Composites Science and Technology</i> , 2002 , 62, 679-686	8.6	128
170	Modelling the tensile fracture behaviour of CFRP scarf repairs. <i>Composites Part B: Engineering</i> , 2009 , 40, 149-157	10	119
169	Modeling Compression Failure after Low Velocity Impact on Laminated Composites Using Interface Elements. <i>Journal of Composite Materials</i> , 1997 , 31, 1462-1479	2.7	97
168	Equivalent crack based mode II fracture characterization of wood. <i>Engineering Fracture Mechanics</i> , 2006 , 73, 978-993	4.2	94
167	Equivalent crack based analyses of ENF and ELS tests. <i>Engineering Fracture Mechanics</i> , 2008 , 75, 2584-2596	4.6	93

166	Interface element including point-to-surface constraints for three-dimensional problems with damage propagation. <i>Engineering Computations</i> , 2000 , 17, 28-47	1.4	82
165	Tensile behaviour of three-dimensional carbon-epoxy adhesively bonded single- and double-strap repairs. <i>International Journal of Adhesion and Adhesives</i> , 2009 , 29, 678-686	3.4	79
164	Stress and failure analyses of scarf repaired CFRP laminates using a cohesive damage model. <i>Journal of Adhesion Science and Technology</i> , 2007 , 21, 855-870	2	78
163	Comparison of fracture properties of two wood species through cohesive crack simulations. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 415-427	8.4	75
162	Numerical prediction of delamination onset in carbon/epoxy composites drilling. <i>Engineering Fracture Mechanics</i> , 2008 , 75, 2767-2778	4.2	75
161	Mode II Fracture Toughness of a Brittle and a Ductile Adhesive as a Function of the Adhesive Thickness 2010 , 86, 891-905		74
160	The effect of hybridization on the GFRP behavior under high velocity impact. <i>Composites Part B: Engineering</i> , 2009 , 40, 798-803	10	72
159	Surface treatment of CFRP composites using femtosecond laser radiation. <i>Optics and Lasers in Engineering</i> , 2017 , 94, 37-43	4.6	71
158	Numerical simulation of the drilling process on carbon/epoxy composite laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006 , 37, 1325-1333	8.4	69
157	Simulation of mechanical behaviour of composite bonded joints containing strip defects. <i>International Journal of Adhesion and Adhesives</i> , 2006 , 26, 464-473	3.4	68
156	Interlaminar and intralaminar fracture characterization of composites under mode I loading. <i>Composite Structures</i> , 2010 , 92, 144-149	5.3	67
155	Single-Lap Joints of Similar and Dissimilar Adherends Bonded with an Acrylic Adhesive 2009 , 85, 351-376		65
154	Analysis of crack propagation in double cantilever beam tests of multidirectional laminates. <i>Mechanics of Materials</i> , 2003 , 35, 641-652	3.3	61
153	Prediction of compressive strength of carbon/epoxy laminates containing delamination by using a mixed-mode damage model. <i>Composite Structures</i> , 2000 , 50, 151-157	5.3	60
152	Application of interface finite elements to three-dimensional progressive failure analysis of adhesive joints. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2003 , 26, 479-486	3	59
151	A straightforward method to obtain the cohesive laws of bonded joints under mode I loading. <i>International Journal of Adhesion and Adhesives</i> , 2012 , 39, 54-59	3.4	57
150	Numerical prediction on the tensile residual strength of repaired CFRP under different geometric changes. <i>International Journal of Adhesion and Adhesives</i> , 2009 , 29, 195-205	3.4	57
149	Delamination Effect on Bending Behaviour in Carbon/epoxy Composites. <i>Strain</i> , 2011 , 47, 203-208	1.7	55

148	The double cantilever beam test applied to mode I fracture characterization of cortical bone tissue. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2010 , 3, 446-53	4.1	55
147	Evaluation of stress concentration effects in single-lap bonded joints of laminate composite materials. <i>International Journal of Adhesion and Adhesives</i> , 2005 , 25, 313-319	3.4	53
146	Determination of cohesive laws of composite bonded joints under mode II loading. <i>Composites Part B: Engineering</i> , 2013 , 52, 269-274	10	51
145	Large deflection and stresses in variable stiffness composite laminates with curvilinear fibres. <i>International Journal of Mechanical Sciences</i> , 2013 , 73, 14-26	5.5	51
144	Mode III interlaminar fracture of carbon/epoxy laminates using the edge crack torsion (ECT) test. <i>Composites Science and Technology</i> , 2009 , 69, 670-676	8.6	51
143	Cohesive laws of composite bonded joints under mode I loading. <i>Composite Structures</i> , 2013 , 106, 646-652	3	49
142	Numerical simulation of the crushing process of composite materials. <i>International Journal of Crashworthiness</i> , 2004 , 9, 263-276	1	49
141	Cohesive zone model for high-cycle fatigue of adhesively bonded joints under mode I loading. <i>International Journal of Solids and Structures</i> , 2014 , 51, 1123-1131	3.1	48
140	Mode I interlaminar fracture of woven glass/epoxy multidirectional laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2005 , 36, 1119-1127	8.4	47
139	Residual Strength after Low Velocity Impact in Carbon-Epoxy Laminates. <i>Materials Science Forum</i> , 2006 , 514-516, 624-628	0.4	45
138	Numerical evaluation of three-dimensional scarf repairs in carbon-epoxy structures. <i>International Journal of Adhesion and Adhesives</i> , 2010 , 30, 329-337	3.4	44
137	Effect of moisture on pure mode I and II fracture behaviour of composite bonded joints. <i>International Journal of Adhesion and Adhesives</i> , 2016 , 68, 30-38	3.4	43
136	Numerical analysis of the ENF test for mode II wood fracture. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006 , 37, 1334-1344	8.4	43
135	Cohesive and continuum damage models applied to fracture characterization of bonded joints. <i>International Journal of Mechanical Sciences</i> , 2006 , 48, 493-503	5.5	42
134	Buckling Behaviour of Carbon/Epoxy Adhesively-Bonded Scarf Repairs. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 1493-1513	2	37
133	Crack equivalent based method applied to wood fracture characterization using the single edge notched-three point bending test. <i>Engineering Fracture Mechanics</i> , 2010 , 77, 510-520	4.2	37
132	Influence of multi-impacts on GFRP composites laminates. <i>Composites Part B: Engineering</i> , 2013 , 52, 93-98	10	36
131	Numerical analysis of the MMB test for mixed-mode I/II wood fracture. <i>Composites Science and Technology</i> , 2007 , 67, 1764-1771	8.6	36

130	Damage detection on laminated composite materials using several NDT techniques. <i>Insight: Non-Destructive Testing and Condition Monitoring</i> , 2012 , 54, 14-20	1.3	35
129	Bilinear approximations to the mode II delamination cohesive law using an inverse method. <i>Mechanics of Materials</i> , 2012 , 49, 42-50	3.3	32
128	Fracture behaviour of damaged wood beams repaired with an adhesively-bonded composite patch. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009 , 40, 852-859	8.4	32
127	Mixed-mode I/II wood fracture characterization using the mixed-mode bending test. <i>Engineering Fracture Mechanics</i> , 2010 , 77, 144-152	4.2	32
126	Experimental and numerical evaluation of composite repairs on wood beams damaged by cross-graining. <i>Construction and Building Materials</i> , 2010 , 24, 531-537	6.7	32
125	Mixed-mode I+II fatigue/fracture characterization of composite bonded joints using the Single-Leg Bending test. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013 , 44, 63-69	8.4	31
124	Numerical analysis of the Edge Crack Torsion test for mode III interlaminar fracture of composite laminates. <i>Engineering Fracture Mechanics</i> , 2009 , 76, 469-478	4.2	31
123	Computational Modelling of the Residual Strength of Repaired Composite Laminates Using a Cohesive Damage Model. <i>Journal of Adhesion Science and Technology</i> , 2008 , 22, 1565-1591	2	31
122	Failure analysis of quasi-isotropic CFRP laminates under high strain rate compression loading. <i>Composite Structures</i> , 2008 , 84, 362-368	5.3	31
121	Evaluation of initiation criteria used in interlaminar fracture tests. <i>Engineering Fracture Mechanics</i> , 2006 , 73, 2264-2276	4.2	31
120	Effect of temperature on pure modes I and II fracture behavior of composite bonded joints. <i>Composites Part B: Engineering</i> , 2016 , 96, 35-44	10	31
119	The Influence of the Boundary Conditions on Low-Velocity Impact Composite Damage. <i>Strain</i> , 2011 , 47, e220-e226	1.7	30
118	Mode II wood fracture characterization using the ELS test. <i>Engineering Fracture Mechanics</i> , 2007 , 74, 2133-2147	4.2	30
117	Assessment of initiation criteria used in interlaminar fracture tests of composites. <i>Engineering Fracture Mechanics</i> , 2005 , 72, 2615-2627	4.2	30
116	A new energy based mixed-mode cohesive zone model. <i>International Journal of Solids and Structures</i> , 2016 , 102-103, 112-119	3.1	28
115	Repairing wood beams under bending using carbon-epoxy composites. <i>Engineering Structures</i> , 2012 , 34, 342-350	4.7	28
114	Buckling strength of adhesively-bonded single and double-strap repairs on carbon-epoxy structures. <i>Composites Science and Technology</i> , 2010 , 70, 371-379	8.6	28
113	Application of acoustic emission to study creep behaviour of composite bonded lap shear joints. <i>NDT and E International</i> , 2005 , 38, 45-52	4.1	28

112	Cohesive zone model for high-cycle fatigue of composite bonded joints under mixed-mode I+II loading. <i>Engineering Fracture Mechanics</i> , 2015 , 140, 31-42	4.2	27
111	Determination of cohesive laws in wood bonded joints under mode II loading using the ENF test. <i>International Journal of Adhesion and Adhesives</i> , 2014 , 51, 54-61	3.4	27
110	Bilinear approximations to the mixed-mode III delamination cohesive law using an inverse method. <i>Composite Structures</i> , 2015 , 122, 361-366	5.3	26
109	Direct Evaluation of Cohesive Law in Mode I of Pinus pinaster by Digital Image Correlation. <i>Experimental Mechanics</i> , 2014 , 54, 829	2.6	26
108	Composite bonded joints under mode I fatigue loading. <i>International Journal of Adhesion and Adhesives</i> , 2011 , 31, 280-285	3.4	26
107	Numerical simulation of the ENF test for the mode-II fracture characterization of bonded joints. <i>Journal of Adhesion Science and Technology</i> , 2006 , 20, 37-52	2	24
106	Influence of open holes on composites delamination induced by low velocity impact loads. <i>Composite Structures</i> , 2013 , 97, 239-244	5.3	23
105	Mixed-mode (I+II) fracture characterization of wood bonded joints. <i>Construction and Building Materials</i> , 2011 , 25, 1956-1962	6.7	23
104	Mode II fracture characterization of a hybrid cork/carbon-epoxy laminate. <i>Composites Part B: Engineering</i> , 2015 , 76, 44-51	10	22
103	Data reduction scheme for measuring GIIC of wood in end-notched flexure (ENF) tests. <i>Holzforschung</i> , 2009 , 63,	2	22
102	Damage onset on tow-placed variable stiffness composite laminates. <i>Composite Structures</i> , 2014 , 113, 419-428	5.3	21
101	Application of the end loaded split and single-leg bending tests to the mixed-mode fracture characterization of wood. <i>Holzforschung</i> , 2009 , 63,	2	21
100	Fracture characterization of sandwich structures interfaces under mode I loading. <i>Composites Science and Technology</i> , 2010 , 70, 1386-1394	8.6	21
99	Influence of intralaminar cracking on the apparent interlaminar mode I fracture toughness of cross-ply laminates. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2008 , 27, 759-766	3	21
98	Mode III interlaminar fracture of carbon/epoxy laminates using the Six-Point Edge Crack Torsion (6ECT). <i>Composites Part A: Applied Science and Manufacturing</i> , 2011 , 42, 1793-1799	8.4	20
97	Application of Cohesive Zone Modeling to Composite Bonded Repairs 2015 , 91, 71-94		19
96	Development of a cohesive zone model for fatigue/fracture characterization of composite bonded joints under mode II loading. <i>International Journal of Adhesion and Adhesives</i> , 2014 , 54, 224-230	3.4	19
95	Evaluation of bone cohesive laws using an inverse method applied to the DCB test. <i>Engineering Fracture Mechanics</i> , 2012 , 96, 724-736	4.2	18

94	Characterization of composite bonded joints under pure mode II fatigue loading. <i>Composite Structures</i> , 2013 , 95, 222-226	5.3	18
93	Design and analysis of a new six-point edge crack torsion (6ECT) specimen for mode III interlaminar fracture characterisation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011 , 42, 131-139	8.4	18
92	Direct and inverse methods applied to the determination of mode I cohesive law of bovine cortical bone using the DCB test. <i>International Journal of Solids and Structures</i> , 2017 , 128, 210-220	3.1	17
91	Mixed-Mode Cohesive Damage Model Applied to the Simulation of the Mechanical Behaviour of Laminated Composite Adhesive Joints. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 1477-1491 ²		17
90	Pure mode I and II interlaminar fracture characterization of carbon-fibre reinforced polyamide composite. <i>Composites Part B: Engineering</i> , 2019 , 169, 126-132	10	16
89	Study of the interlaminar fracture under mode I loading on FFF printed parts. <i>Composite Structures</i> , 2019 , 214, 316-324	5.3	16
88	Determination of cohesive laws in wood bonded joints under mode I loading using the DCB test. <i>Holzforschung</i> , 2013 , 67, 913-922	2	16
87	Numerical analysis of the ENF and ELS tests applied to mode II fracture characterization of cortical bone tissue. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2011 , 34, 149-158	3	16
86	Estimate of resistance-curve in wood through the double cantilever beam test. <i>Holzforschung</i> , 2010 , 64,	2	16
85	Fatigue/fracture characterization of composite bonded joints under mode I, mode II and mixed-mode I + II. <i>Composite Structures</i> , 2016 , 139, 62-67	5.3	15
84	Measurement of Mode I and Mode II Fracture Properties of Wood-Bonded Joints. <i>Journal of Adhesion Science and Technology</i> , 2011 , 25, 2881-2895	2	15
83	Thermoplastic Composites and Their Promising Applications in Joining and Repair Composites Structures: A Review. <i>Materials</i> , 2020 , 13,	3.5	14
82	Mixed-mode I+II fracture characterization of human cortical bone using the Single Leg Bending test. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 54, 72-81	4.1	14
81	A numerical study on the SEN-TPB test applied to mode I wood fracture characterization. <i>International Journal of Solids and Structures</i> , 2011 , 48, 234-242	3.1	14
80	Adhesively Bonded Repair Proposal for Wood Members Damaged by Horizontal Shear Using Carbon-Epoxy Patches 2010 , 86, 649-670		14
79	Bone fracture characterization under mixed-mode I + II loading using the MMB test. <i>Engineering Fracture Mechanics</i> , 2016 , 166, 151-163	4.2	13
78	The Effect of Hybridization on the GFRP Behavior under Quasi-Static Penetration. <i>Mechanics of Advanced Materials and Structures</i> , 2014 , 21, 81-87	1.8	13
77	Quasi-static behavior of moment-carrying steel-wood doweled joints. <i>Construction and Building Materials</i> , 2014 , 53, 439-447	6.7	13

76	Mixed-mode I+II continuum damage model applied to fracture characterization of bonded joints. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 41, 92-97	3.4	13
75	Bone fracture characterization using the end notched flexure test. <i>Materials Science and Engineering C</i> , 2013 , 33, 405-10	8.3	13
74	Numerical analysis of the dual actuator load test applied to fracture characterization of bonded joints. <i>International Journal of Solids and Structures</i> , 2011 , 48, 1572-1578	3.1	13
73	Determining mode II cohesive law of Pinus pinaster by combining the end-notched flexure test with digital image correlation. <i>Construction and Building Materials</i> , 2014 , 71, 109-115	6.7	12
72	Numerical validation of a crack equivalent method for mixed-mode I + II fracture characterization of bonded joints. <i>Engineering Fracture Mechanics</i> , 2013 , 107, 38-47	4.2	12
71	Mixed-mode I+II fracture characterization of a hybrid carbon-epoxy/cork laminate using the Single-Leg Bending test. <i>Composites Science and Technology</i> , 2017 , 141, 24-31	8.6	11
70	Stress and Failure Analysis of Repaired Sandwich Composite Beams using a Cohesive Damage Model. <i>Journal of Sandwich Structures and Materials</i> , 2010 , 12, 369-390	2.1	11
69	Mode II fracture characterization of wood using the Four-Point End-Notched Flexure (4ENF) test. <i>Theoretical and Applied Fracture Mechanics</i> , 2018 , 98, 23-29	3.7	11
68	Influence of inclined holes on the impact strength of CFRP composites. <i>Composite Structures</i> , 2017 , 172, 130-136	5.3	10
67	Wood fracture characterization under mode I loading using the three-point-bending test. Experimental investigation of Picea abies L.. <i>International Journal of Fracture</i> , 2015 , 194, 1-9	2.3	10
66	Characterisation of composite bonded single-strap repairs under fatigue loading. <i>International Journal of Mechanical Sciences</i> , 2015 , 103, 22-29	5.5	10
65	Bone fracture characterization under mixed-mode I+II loading using the single leg bending test. <i>Biomechanics and Modeling in Mechanobiology</i> , 2014 , 13, 1331-9	3.8	10
64	Fracture characterization of bone under mode II loading using the end loaded split test. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011 , 4, 1764-73	4.1	10
63	Influence of the specimen thickness on low velocity impact behavior of composites. <i>Journal of Polymer Engineering</i> , 2012 , 32,	1.4	10
62	Fracture characterization of human cortical bone under mode II loading using the end-notched flexure test. <i>Medical and Biological Engineering and Computing</i> , 2017 , 55, 1249-1260	3.1	9
61	Fracture characterization of bonded joints using the dual actuator load apparatus. <i>Journal of Adhesion Science and Technology</i> , 2014 , 28, 512-524	2	9
60	Mode I fracture characterization of a hybrid cork and carbon-epoxy laminate. <i>Composite Structures</i> , 2014 , 112, 248-253	5.3	9
59	Fatigue analysis of composite bonded repairs. <i>Journal of Adhesion Science and Technology</i> , 2017 , 31, 2164-21798		

58	High-cycle fatigue analysis of adhesively bonded composite scarf repairs. <i>Composites Part B: Engineering</i> , 2020 , 190, 107900	10	8
57	Mode I fracture characterization of wood using the TDCB test. <i>Theoretical and Applied Fracture Mechanics</i> , 2018 , 94, 40-45	3-7	8
56	Determination of mode II cohesive law of bovine cortical bone using direct and inverse methods. <i>International Journal of Mechanical Sciences</i> , 2018 , 138-139, 448-456	5-5	8
55	Fracture Characterization of Human Cortical Bone Under Mode I Loading. <i>Journal of Biomechanical Engineering</i> , 2015 , 137, 121004	2-1	8
54	An experimental and numerical assessment of DCB tests on glass/polyester curved beams cut out from pipes. <i>Polymer Testing</i> , 2008 , 27, 985-994	4-5	8
53	Experimental Investigation of Delamination in Composite Continuous Fiber-Reinforced Plastic Laminates with Elastic Couplings. <i>Materials</i> , 2020 , 13,	3-5	8
52	Direct Evaluation of Mixed Mode I+II Cohesive Laws of Wood by Coupling MMB Test with DIC. <i>Materials</i> , 2021 , 14,	3-5	8
51	Mode II fracture toughness of carbon-epoxy bonded joints with femtosecond laser treated surfaces. <i>International Journal of Mechanical Sciences</i> , 2018 , 148, 707-713	5-5	8
50	Experimental and numerical analyses of wood boards joining using wood-pin connectors. <i>Construction and Building Materials</i> , 2019 , 222, 556-565	6-7	7
49	Influence of femtosecond laser treated surfaces on the mode I fracture toughness of carbon-epoxy bonded joints. <i>International Journal of Adhesion and Adhesives</i> , 2018 , 82, 108-113	3-4	7
48	Moisture content effect on the fracture characterisation of Pinus pinaster under mode I. <i>Journal of Materials Science</i> , 2014 , 49, 7371-7381	4-3	7
47	Buckling analysis of laminated composite plates submitted to compression after impact. <i>Fibers and Polymers</i> , 2014 , 15, 560-565	2	7
46	Interlaminar mode II fracture characterization 2008 , 310-326		7
45	Surface patterning of CRFP composites using femtosecond laser interferometry. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2-6	6
44	A review on the environmental degradation effects on fatigue behaviour of adhesively bonded joints. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020 , 43, 1307-1326	3	6
43	Numerical and experimental analyses of composite bonded double-strap repairs under high-cycle fatigue 2017 , 93, 980-992		5
42	Mixed mode I + II interlaminar fracture characterization of carbon-fibre reinforced polyamide composite using the Single-Leg Bending test. <i>Materials Today Communications</i> , 2019 , 19, 476-481	2-5	5
41	Fracture behavior of wood-steel dowel joints under quasi-static loading. <i>Construction and Building Materials</i> , 2018 , 176, 14-23	6-7	5

40	Low velocity impact behaviour of a hybrid carbon-epoxy/cork laminate. <i>Strain</i> , 2017 , 53, e12241	1.7	5
39	A New Procedure for Mode I Fracture Characterization of Cement-Based Materials. <i>Strain</i> , 2015 , 51, 483-491	1.7	5
38	Strength Prediction and Experimental Validation of Adhesive Joints Including Polyethylene, Carbon-Epoxy and Aluminium Adherends. <i>Materials Science Forum</i> , 2010 , 636-637, 1157-1164	0.4	5
37	Repair of Wood Trusses Loaded in Tension with Adhesively Bonded Carbon-Epoxy Patches 2010 , 86, 630-648		5
36	Dimensional optimization of carbon-epoxy bars for reinforcement of wood beams. <i>Composites Part B: Engineering</i> , 2018 , 139, 163-170	10	5
35	Multi-impact response of composite laminates with open holes. <i>Polymer Composites</i> , 2018 , 39, 2490-2498		4
34	Effect of temperature on the fracture toughness of wood under mode I quasi-static loading. <i>Construction and Building Materials</i> , 2019 , 223, 863-869	6.7	4
33	Interlaminar Fracture Characterization of a Carbon-Epoxy Composite in Pure Mode II. <i>Materials Science Forum</i> , 2010 , 636-637, 1518-1524	0.4	4
32	A novel strategy to obtain the fracture envelope under mixed-mode I+II loading of composite bonded joints. <i>Engineering Fracture Mechanics</i> , 2020 , 232, 107032	4.2	3
31	Quasi-Static Fracture Tests 2012 , 163-271		3
30	Progressive Damage Modelling 2008 , 155-182		3
29	Development of an explicit three-dimensional progressive mixed-mode I+II damage model. <i>Engineering Fracture Mechanics</i> , 2019 , 218, 106585	4.2	2
28	Simulation of Bonded Joints Failure using Progressive Mixed-Mode Damage Models 2013 , 147-170		2
27	The Effect of the Impactor Diameter and Boundary Conditions on Low Velocity Impact Composites Behaviour. <i>Applied Mechanics and Materials</i> , 2007 , 7-8, 217-222	0.3	2
26	Wood Fracture Characterization		2
25	Influence of geometric and material parameters on the mode II interlaminar fatigue/fracture characterization of CFRP laminates. <i>Composites Science and Technology</i> , 2021 , 210, 108819	8.6	2
24	Fatigue-fracture characterization of wood under mode I loading. <i>International Journal of Fatigue</i> , 2019 , 121, 265-271	5	2
23	Numerical comparison of several composite bonded repairs under fatigue loading. <i>Composite Structures</i> , 2020 , 243, 112250	5.3	1

22	Evaluation of mode I fracture toughness of cortical bone tissue in the RL crack propagation system. <i>Ciência & Tecnologia Dos Materiais</i> , 2014 , 26, 96-101		1
21	Fracture: Interlaminar 2011 ,		1
20	Strength Prediction of Adhesively-Bonded Scarf Repairs in Composite Structures under Bending. <i>Materials Science Forum</i> , 2010 , 636-637, 233-238	0.4	1
19	Evaluation of R-curves and cohesive law in mode I of European beech. <i>Theoretical and Applied Fracture Mechanics</i> , 2022 , 118, 103220	3.7	1
18	Thermal, Mechanical and Chemical Analysis of Poly(vinyl alcohol) Multifilament and Braided Yarns. <i>Polymers</i> , 2021 , 13,	4.5	1
17	Influence of adverse temperature and moisture conditions on the fracture behaviour of single-strap repairs of carbon-epoxy laminates. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 96, 102452	3.4	1
16	Experimental and numerical mixed-mode I-II fracture characterization of carbon fibre reinforced polymer laminates using a novel strategy. <i>Composite Structures</i> , 2021 , 263, 113683	5.3	1
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14	Bone: An Outstanding Composite Material. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3381	2.6	1
13	Comparison of numerical analyses of a composite wing component subjected to 4-point bending. <i>Composites Part C: Open Access</i> , 2022 , 100264	1.6	1
12	Dynamic mode II interlaminar fracture toughness of electrically modified carbon/epoxy composites. <i>International Journal of Impact Engineering</i> , 2022 , 159, 104030	4	0
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10	Determining mode I cohesive law of Pinus pinaster by coupling double cantilever beam test with digital image correlation. <i>Frattura Ed Integrita Strutturale</i> , 2015 , 9, 13-22	0.9	
9	Mode I fracture characterization of human bone using the DCB test. <i>International Journal of Structural Integrity</i> , 2015 , 6, 355-366	1	
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6	Mode II Fracture Characterization of Pinus Pinaster Wood. <i>Materials Science Forum</i> , 2008 , 587-588, 594-598		
5	The Effect of the Carbon Epoxy Plate Size under Low Velocity Impact. <i>Materials Science Forum</i> , 2008 , 587-588, 951-955	0.4	

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