

# Josã Costa

## List of Publications by Year in descending order

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164  
papers

3,776  
citations

101543

36  
h-index

175258

52  
g-index

167  
all docs

167  
docs citations

167  
times ranked

2657  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of overload effects on fatigue crack growth and closure. <i>Engineering Fracture Mechanics</i> , 2003, 70, 1379-1397.	4.3	156
2	Flexural behaviour of hybrid laminated composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007, 38, 1612-1620.	7.6	127
3	A review on 3D-FE adaptive remeshing techniques for crack growth modelling. <i>Engineering Fracture Mechanics</i> , 2015, 141, 170-195.	4.3	125
4	Analysis of low cycle fatigue in AlMgSi aluminium alloys. <i>Engineering Failure Analysis</i> , 2004, 11, 715-725.	4.0	100
5	Fatigue behaviour of glass fibre reinforced epoxy composites enhanced with nanoparticles. <i>Composites Part B: Engineering</i> , 2014, 62, 65-72.	12.0	90
6	Fatigue behaviour of composite adhesive lap joints. <i>Composites Science and Technology</i> , 2002, 62, 1373-1379.	7.8	83
7	Fatigue life evaluation for carbon/epoxy laminate composites under constant and variable block loading. <i>Composites Science and Technology</i> , 2009, 69, 154-160.	7.8	80
8	Analysis of fatigue and damage in glass-fibre-reinforced polypropylene composite materials. <i>Composites Science and Technology</i> , 1999, 59, 1461-1467.	7.8	79
9	Effect of process parameters on the strength of resistance spot welds in 6082-T6 aluminium alloy. <i>Materials &amp; Design</i> , 2010, 31, 2454-2463.	5.1	78
10	Fatigue crack growth and crack closure in an AlMgSi alloy. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2001, 24, 255-265.	3.4	76
11	Effect of stress ratio and specimen thickness on fatigue crack growth of CK45 steel. <i>Theoretical and Applied Fracture Mechanics</i> , 1998, 30, 65-73.	4.7	73
12	Mixed-mode fatigue crack growth behaviour in aluminium alloy. <i>International Journal of Fatigue</i> , 2006, 28, 618-626.	5.7	70
13	Low-Cycle Fatigue Behaviour of AISI 18Ni300 Maraging Steel Produced by Selective Laser Melting. <i>Metals</i> , 2018, 8, 32.	2.3	68
14	Low-cycle fatigue behaviour of 34CrNiMo6 high strength steel. <i>Theoretical and Applied Fracture Mechanics</i> , 2012, 58, 28-34.	4.7	66
15	A study of the mechanical behaviour on fibre reinforced hollow microspheres hybrid composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010, 41, 345-352.	7.6	64
16	Fatigue life improvement by friction stir processing of 5083 aluminium alloy MIG butt welds. <i>Theoretical and Applied Fracture Mechanics</i> , 2014, 70, 68-74.	4.7	62
17	Fatigue behaviour of AA6082-T6 MIG welded butt joints improved by friction stir processing. <i>Materials &amp; Design</i> , 2013, 51, 315-322.	5.1	57
18	Fatigue life improvement of mig welded aluminium T-joints by friction stir processing. <i>International Journal of Fatigue</i> , 2014, 61, 244-254.	5.7	56

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19	Static and fatigue behaviour of glass-fibre-reinforced polypropylene composites. Theoretical and Applied Fracture Mechanics, 1999, 31, 67-74.	4.7	55
20	New methodology of fatigue life evaluation for multiaxially loaded notched components based on two uniaxial strain-controlled tests. International Journal of Fatigue, 2018, 111, 308-320.	5.7	49
21	A study of the mechanical properties on polypropylene enhanced by surface treated nanoclays. Composites Part B: Engineering, 2011, 42, 1366-1372.	12.0	47
22	A numerical study of fatigue crack closure induced by plasticity. Fatigue and Fracture of Engineering Materials and Structures, 2004, 27, 825-835.	3.4	46
23	Mould steels repaired by laser welding. Engineering Failure Analysis, 2009, 16, 596-607.	4.0	46
24	Microstructure dependent fatigue crack growth in aged hardened aluminium alloys. International Journal of Fatigue, 2004, 26, 1321-1331.	5.7	44
25	Fatigue behaviour of nanoclay reinforced epoxy resin composites. Composites Part B: Engineering, 2013, 52, 286-291.	12.0	44
26	Fatigue strength improvement of GMAW T-welds in AA 5083 by friction-stir processing. International Journal of Fatigue, 2017, 97, 124-134.	5.7	44
27	Fatigue behaviour of butt welded joints in a high strength steel. Procedia Engineering, 2010, 2, 697-705.	1.2	43
28	Mechanical Properties of Woven Mat Jute/Epoxy Composites. Materials Research, 2016, 19, 702-710.	1.3	43
29	Fatigue behaviour of selective laser melting steel components. Theoretical and Applied Fracture Mechanics, 2016, 85, 9-15.	4.7	43
30	Fatigue life assessment of notched round bars under multiaxial loading based on the total strain energy density approach. Theoretical and Applied Fracture Mechanics, 2018, 97, 340-348.	4.7	43
31	Rapid assessment of multiaxial fatigue lifetime in notched components using an averaged strain energy density approach. International Journal of Fatigue, 2019, 124, 89-98.	5.7	42
32	Effect of heat treatment on the fatigue crack growth behaviour in additive manufactured AISI 18Ni300 steel. Theoretical and Applied Fracture Mechanics, 2019, 102, 10-15.	4.7	40
33	Determination of the Paris law constants in round bars from beach marks on fracture surfaces. Engineering Fracture Mechanics, 2012, 96, 96-106.	4.3	39
34	Effect of strain ratio on cyclic deformation behaviour of 7050-T6 aluminium alloy. International Journal of Fatigue, 2019, 129, 105234.	5.7	39
35	Multiaxial fatigue behaviour of maraging steel produced by selective laser melting. Materials and Design, 2021, 201, 109469.	7.0	39
36	Fatigue behaviour of AA6082 friction stir welds under variable loadings. International Journal of Fatigue, 2012, 37, 8-16.	5.7	38

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37	A study on the mechanical behaviour of WC/Co hardmetals. International Journal of Refractory Metals and Hard Materials, 2009, 27, 1-8.	3.8	37
38	Effect of laser beam welding parameters on morphology and strength of dissimilar AA2024/AA7075 T-joints. Journal of Manufacturing Processes, 2018, 35, 149-160.	5.9	37
39	Effect of multiaxial bending-torsion loading on fracture surface parameters in high-strength steels processed by conventional and additive manufacturing. Engineering Failure Analysis, 2020, 118, 104784.	4.0	37
40	Monotonic and Cyclic Behavior of DIN 34CrNiMo6 Tempered Alloy Steel. Metals, 2016, 6, 98.	2.3	36
41	Stress analysis of lap joints involving natural fibre reinforced interface layers. Composites Part B: Engineering, 2005, 36, 1-7.	12.0	35
42	Influence of pin geometry and process parameters on friction stir lap welding of AA5754-H22 thin sheets. Journal of Materials Processing Technology, 2015, 225, 385-392.	6.3	35
43	Fatigue behaviour and life prediction of lateral notched round bars under bending+torsion loading. Engineering Fracture Mechanics, 2014, 119, 66-84.	4.3	34
44	Assessment of friction stir welding aluminium T-joints. Journal of Materials Processing Technology, 2018, 255, 387-399.	6.3	34
45	Fatigue crack growth in thin aluminium alloy sheets under loading sequences with periodic overloads. Thin-Walled Structures, 2005, 43, 772-788.	5.3	33
46	Fatigue behaviour of Kevlar composites with nanoclay-filled epoxy resin. Journal of Composite Materials, 2013, 47, 1885-1895.	2.4	32
47	Profile and Areal Surface Parameters for Fatigue Fracture Characterisation. Materials, 2020, 13, 3691.	2.9	31
48	Fractal dimension for bending+torsion fatigue fracture characterisation. Measurement: Journal of the International Measurement Confederation, 2021, 184, 109910.	5.0	31
49	Extent of surface regions near corner points of notched cracked bodies subjected to mode-I loading. Finite Elements in Analysis and Design, 2012, 50, 147-160.	3.2	29
50	Fatigue crack initiation behaviour of notched 34CrNiMo6 steel bars under proportional bending-torsion loading. International Journal of Fatigue, 2020, 130, 105268.	5.7	28
51	Fatigue and fretting fatigue of ion-nitrided 34CrNiMo6 steel. Theoretical and Applied Fracture Mechanics, 2001, 35, 69-79.	4.7	27
52	Fatigue performance of Kevlar/epoxy composites with filled matrix by cork powder. Fibers and Polymers, 2012, 13, 1292-1299.	2.1	25
53	Fatigue behaviour of laser repairing welded joints. Engineering Failure Analysis, 2007, 14, 1586-1593.	4.0	24
54	A study of the mechanical properties of natural fibre reinforced composites. Fibers and Polymers, 2010, 11, 1181-1186.	2.1	24

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55	Effect of tensile pre-strain on low-cycle fatigue behaviour of 7050-T6 aluminium alloy. <i>Engineering Failure Analysis</i> , 2020, 114, 104592.	4.0	24
56	Fatigue behaviour of tubular AlMgSi welded specimens subjected to bending+torsion loading. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2005, 28, 399-407.	3.4	22
57	Fatigue damage and environment interaction of polyester aluminized glass fiber composites. <i>Composite Structures</i> , 2007, 78, 397-401.	5.8	22
58	Fatigue Crack Growth in Maraging Steel Obtained by Selective Laser Melting. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4412.	2.5	22
59	Fatigue fracture morphology of AISI H13 steel obtained by additive manufacturing. <i>International Journal of Fracture</i> , 2022, 235, 79-98.	2.2	22
60	Numerical simulation of plasticity induced crack closure under overloads and high-low blocks. <i>Engineering Fracture Mechanics</i> , 2012, 95, 57-71.	4.3	21
61	Fatigue strength of tubular carbon fibre composites under bending/torsion loading. <i>International Journal of Fatigue</i> , 2015, 70, 216-222.	5.7	21
62	Quasistatic and fatigue behavior of an AISI H13 steel obtained by additive manufacturing and conventional method. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 3384-3398.	3.4	21
63	Fatigue crack growth in heat-treated aluminium alloys. <i>Engineering Failure Analysis</i> , 2010, 17, 11-18.	4.0	20
64	Plasticity induced crack closure in Middle-Crack Tension specimen: numerical versus experimental. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2010, 33, 673-686.	3.4	20
65	Effect of geometrical parameters on Friction Stir Welding of AA 5083-H111 T-joints. <i>Procedia Structural Integrity</i> , 2016, 1, 242-248.	0.8	20
66	Fatigue crack growth under corrosive environments of Ti-6Al-4V specimens produced by SLM. <i>Engineering Failure Analysis</i> , 2020, 118, 104852.	4.0	19
67	Effect of bead characteristics on the fatigue life of shot peened Al 7475-T7351 specimens. <i>International Journal of Fatigue</i> , 2020, 134, 105521.	5.7	19
68	Fatigue Failure from Inner Surfaces of Additive Manufactured Ti-6Al-4V Components. <i>Materials</i> , 2021, 14, 737.	2.9	19
69	Fatigue behaviour of epoxy-steel single lap joints under variable frequency. <i>International Journal of Adhesion and Adhesives</i> , 2015, 63, 66-73.	2.9	18
70	Effect of loading orientation on fatigue behaviour in severely notched round bars under non-zero mean stress bending-torsion. <i>Theoretical and Applied Fracture Mechanics</i> , 2017, 92, 185-197.	4.7	18
71	Fatigue behaviour in hybrid hollow microspheres/fibre reinforced composites. <i>Journal of Materials Science</i> , 2010, 45, 3547-3553.	3.7	17
72	Effect of tool geometry on friction stir processing and fatigue strength of MIG T welds on Al alloys. <i>Journal of Materials Processing Technology</i> , 2014, 214, 2450-2460.	6.3	17

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73	Fracture Toughness of Hybrid Components with Selective Laser Melting 18Ni300 Steel Parts. Applied Sciences (Switzerland), 2018, 8, 1879.	2.5	17
74	A simplified method for the evaluation of fatigue crack front shapes under mode I loading. International Journal of Fracture, 2014, 188, 203-211.	2.2	15
75	Fatigue life predictions in polymer particle composites. International Journal of Fatigue, 2002, 24, 1095-1105.	5.7	13
76	Test Conditions Effect on the Fracture Toughness of Hollow Glass Microsphere Filled Composites. Strain, 2008, 44, 141-146.	2.4	13
77	Residual stresses analysis of ND-YAG laser welded joints. Engineering Failure Analysis, 2010, 17, 28-37.	4.0	13
78	Influence of spectrum loading on fatigue resistance of AA6082 friction stir welds. International Journal of Structural Integrity, 2011, 2, 122-134.	3.3	13
79	Dynamic Mechanical Analysis of Hybrid Fibre/Glass Microspheres Composites. Strain, 2011, 47, 275-280.	2.4	13
80	A study of mixed mode interlaminar fracture on nanoclay enhanced epoxy/glass fiber composites. Ciência & Tecnologia Dos Materiais, 2013, 25, 92-97.	0.5	13
81	Assessment of the fatigue life on functional hybrid laser sintering steel components. Procedia Structural Integrity, 2016, 1, 126-133.	0.8	13
82	Fatigue crack growth behaviour in Ti6Al4V alloy specimens produced by selective laser melting. International Journal of Fracture, 2020, 223, 123-133.	2.2	13
83	Fatigue and creep in titanium grade 2. International Journal of Fatigue, 1996, 18, 227-233.	5.7	12
84	Assessment of the mechanical properties of nanoclays enhanced low Tg epoxy resins. Fibers and Polymers, 2014, 15, 1677-1684.	2.1	12
85	Three-Dimensional Computational Analysis of Stress State Transition in Through-Cracked Plates. Mathematics in Computer Science, 2016, 10, 343-352.	0.4	12
86	A study of fatigue notch sensibility on titanium alloy TiAl6V4 parts manufactured by selective laser melting. Procedia Structural Integrity, 2018, 13, 1000-1005.	0.8	12
87	Mechanical Behavior of High-Strength, Low-Alloy Steels. Metals, 2018, 8, 610.	2.3	12
88	Fatigue behaviour of AlMgSi tubular specimens subjected to bending+torsion loading. International Journal of Fatigue, 2009, 31, 1327-1336.	5.7	11
89	Impact response of nano reinforced mat glass/epoxy laminates. Fibers and Polymers, 2015, 16, 173-180.	2.1	11
90	Effect of the angular misalignment of laser welded T-joints on fatigue curves. International Journal of Fatigue, 2019, 128, 105180.	5.7	11

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91	Stress Intensity Factor Solutions for CTS Mixed Mode Specimen. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 676-692.	0.9	11
92	Effect of non-zero mean stress bending-torsion fatigue on fracture surface parameters of 34CrNiMo6 steel notched bars. <i>Production Engineering Archives</i> , 2020, 26, 167-173.	2.4	11
93	Notched M(T) specimen for plane strain studies. <i>International Journal of Fatigue</i> , 2014, 58, 28-39.	5.7	10
94	Initial crack length on the interlaminar fracture of woven carbon/epoxy laminates. <i>Fibers and Polymers</i> , 2015, 16, 894-901.	2.1	10
95	Fatigue Performance of Hybrid Steel Samples with Laser Sintered Implants. <i>Procedia Engineering</i> , 2016, 160, 143-150.	1.2	10
96	Fatigue Crack Propagation in Shot Peened al 7475-t7351 Alloy Specimens. <i>Procedia Engineering</i> , 2016, 160, 254-261.	1.2	10
97	Extent of the Surface Region in Notched Middle Cracked Tension Specimens. <i>Key Engineering Materials</i> , 0, 560, 107-127.	0.4	9
98	Effect of water and fiber length on the mechanical properties of polypropylene matrix composites. <i>Fibers and Polymers</i> , 2014, 15, 1017-1022.	2.1	9
99	Effects of Shot-Peening and Stress Ratio on the Fatigue Crack Propagation of AL 7475-T7351 Specimens. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 375.	2.5	9
100	Fatigue Life Assessment in Bainitic Steels Based on The Cumulative Strain Energy Density. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7774.	2.5	9
101	On the low-cycle fatigue behavior of aluminum alloys under influence of tensile pre-strain histories and strain ratio. <i>International Journal of Fatigue</i> , 2022, 158, 106747.	5.7	9
102	Joining of Fibre-Reinforced Thermoplastic Polymer Composites by Friction Stir Welding – A Review. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2744.	2.5	9
103	Fretting fatigue of zinc coated low carbon steel EN H320 M. <i>Tribology International</i> , 2000, 33, 761-768.	5.9	8
104	Interlaminar fracture in woven carbon/epoxy laminates. <i>Frattura Ed Integrita Strutturale</i> , 2014, 8, 431-438.	0.9	8
105	Fracture toughness of the heat affected zone on Nd-YAG laser welded joints. <i>Engineering Failure Analysis</i> , 2009, 16, 1245-1251.	4.0	7
106	Viscoelastic Properties Assessment of Syntactic Foams by Dynamic Mechanical Analysis. <i>Materials Science Forum</i> , 2010, 636-637, 280-286.	0.3	7
107	Lynx: A user-friendly computer application for simulating fatigue growth of planar cracks using FEM. <i>Computer Applications in Engineering Education</i> , 2014, 22, 529-540.	3.4	7
108	Mechanical Properties of Injection-Molded Glass Microsphere-Reinforced Polyamide. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 4256-4265.	2.5	7

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109	A new method for analysis of part-elliptical surface cracks in structures subjected to fatigue loading. Theoretical and Applied Fracture Mechanics, 2019, 103, 102258.	4.7	7
110	Nugget Formation and Mechanical Behaviour of Friction Stir Welds of Three Dissimilar Aluminum Alloys. Materials, 2020, 13, 2664.	2.9	7
111	Fatigue Crack Growth from Notches: A Numerical Analysis. Applied Sciences (Switzerland), 2020, 10, 4174.	2.5	7
112	Overview of three-dimensional linear-elastic fracture mechanics. International Journal of Fracture, 2022, 234, 5-20.	2.2	7
113	Fracture Surface Behavior of 34CrNiMo6 High-Strength Steel Bars with Blind Holes under Bending-Torsion Fatigue. Materials, 2022, 15, 80.	2.9	7
114	Fatigue damage analysis of aluminized glass fiber composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 407, 1-6.	5.6	6
115	Mechanical behaviour of PVC/CaCO <sub>3</sub> Particulate Composites – Influence of Temperature. Strain, 2011, 47, e292.	2.4	6
116	Effect of the foam core density on the bending response on sandwich composites. Fibers and Polymers, 2013, 14, 597-602.	2.1	6
117	Environmental effect on the fatigue crack propagation of AM TiAl6V4 alloy specimens. Procedia Structural Integrity, 2019, 17, 562-567.	0.8	6
118	Assessment of the fatigue performance of heat-treated additive manufactured TiAl6V4 specimens. Procedia Structural Integrity, 2019, 18, 651-656.	0.8	6
119	Fatigue strength assessment of misaligned laser beam welded T-joints by effective stress method. International Journal of Pressure Vessels and Piping, 2019, 173, 68-78.	2.6	6
120	Seawater Effect on Fatigue Behaviour of Notched Carbon/Epoxy Laminates. Applied Sciences (Switzerland), 2021, 11, 11939.	2.5	6
121	Influence of Tool Geometry and Process Parameters on Torque, Temperature, and Quality of Friction Stir Welds in Dissimilar Al Alloys. Materials, 2021, 14, 6020.	2.9	5
122	A study of the mechanical behaviour on injection moulded nanoclay enhanced polypropylene composites. Journal of Thermoplastic Composite Materials, 2013, 26, 721-732.	4.2	4
123	Neutron and X-Ray Diffraction Residual Stress Measurements in Aluminium Alloys MIG Welded T-Joints after Friction Stir Processing. Advanced Materials Research, 2014, 996, 439-444.	0.3	4
124	Crack Propagation of 7050 Aluminum alloy Under Constant Amplitude Loading and Peak Overloads. Procedia Engineering, 2015, 114, 613-620.	1.2	4
125	Plasticity induced closure under variable amplitude loading in AlMgSi aluminum alloys. Procedia Structural Integrity, 2017, 5, 85-92.	0.8	4
126	Fatigue crack propagation along interfaces of selective laser melting steel hybrid parts. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2431-2440.	3.4	4



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127	Elastic correction of fatigue crack growth laws. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 1052-1061.	3.4	4
128	Multiaxial fatigue life assessment in notched components based on the effective strain energy density. <i>Procedia Structural Integrity</i> , 2020, 28, 1808-1815.	0.8	4
129	Effect of loading sequence on fatigue crack retardation of misaligned laser welded T-joints. <i>International Journal of Fatigue</i> , 2020, 136, 105600.	5.7	4
130	The Evaluation of Front Shapes of Through-the-Thickness Fatigue Cracks. <i>Metals</i> , 2021, 11, 403.	2.3	4
131	Fatigue analysis of thin AlMgSi welded joints under constant and variable amplitude block loadings. <i>Thin-Walled Structures</i> , 2003, 41, 389-402.	5.3	3
132	Creep behaviour of adhesive lap joints in thermoplastics composites. <i>Journal of Strain Analysis for Engineering Design</i> , 2005, 40, 287-294.	1.8	3
133	Cyclic creep response of adhesively bonded steel lap joints. <i>Journal of Adhesion</i> , 2017, 93, 704-715.	3.0	3
134	Analysis of fatigue crack propagation in laser sintering metal. <i>Procedia Structural Integrity</i> , 2017, 5, 239-246.	0.8	3
135	High-Strength Low-Alloy Steels. <i>Metals</i> , 2021, 11, 1000.	2.3	3
136	An analytical-based approach for simulating fatigue crack growth in round bars. <i>International Journal of Fracture</i> , 2022, 234, 57-68.	2.2	3
137	Experimental Analysis of NiTi Alloy during Strain-Controlled Low-Cycle Fatigue. <i>Materials</i> , 2021, 14, 4455.	2.9	3
138	Mixed Mode Interlaminar Fracture of Carbon Nanotubes Enhanced Epoxy/Glass Fiber Composites. <i>Key Engineering Materials</i> , 0, 592-593, 283-286.	0.4	2
139	Special Issue on "Mechanical Behaviour of Aluminium Alloys". <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1854.	2.5	2
140	Effect of pre-strain on cyclic plastic behaviour of 7050-T6 aluminium alloy. <i>Procedia Structural Integrity</i> , 2019, 17, 177-182.	0.8	2
141	Mixed numerical-experimental method for generation of energy-life fatigue master curves. <i>Material Design and Processing Communications</i> , 2019, 1, e37.	0.9	2
142	Cyclic plastic behaviour of 7075 aluminium alloy. <i>Procedia Structural Integrity</i> , 2020, 25, 438-444.	0.8	2
143	Fatigue crack growth in notched specimens: a numerical analysis. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 666-675.	0.9	2
144	Thermal fatigue assessment of components made with particulate polymer composites. <i>Theoretical and Applied Fracture Mechanics</i> , 2004, 42, 171-181.	4.7	1

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145	Interlaminar Adhesive Strength of Nano-Reinforced Glass/Epoxy Laminates. <i>Journal of Adhesion</i> , 2014, 90, 3-15.	3.0	1
146	Fatigue and impact response of gel-coated glass mats/polyester composites. <i>Journal of Composite Materials</i> , 2014, 48, 1131-1137.	2.4	1
147	Crack Growth Behavior of AA6082 and AA6061 Aluminum Alloys. <i>Procedia Engineering</i> , 2014, 74, 175-178.	1.2	1
148	Predictions by load interaction models in AA6082-T6 aluminium alloy. <i>Theoretical and Applied Fracture Mechanics</i> , 2016, 85, 67-73.	4.7	1
149	Comparative Study of the Uniaxial Cyclic Behaviour of Carbide-Bearing and Carbide-Free Bainitic Steels. <i>Metals</i> , 2018, 8, 422.	2.3	1
150	Effect of Material Properties and Process Parameters on Morphology and Strength of Friction-Stir-Welded Dissimilar T-Joints. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 5233-5244.	2.5	1
151	Fatigue Behavior of Hybrid Components Containing Maraging Steel Parts Produced by Laser Powder Bed Fusion. <i>Metals</i> , 2021, 11, 835.	2.3	1
152	Mixed mechanical-metrological approach to quantify the fractographic damage in mechanical components subjected to cyclic loading. <i>Procedia Structural Integrity</i> , 2020, 28, 1875-1882.	0.8	1
153	Response of fabric insert injection overmolding PP based composites subjected to single and multi-impact. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 242-248.	0.9	1
154	Improvement of the mechanical response of an electrical component. <i>Engineering Failure Analysis</i> , 2003, 10, 511-519.	4.0	0
155	Thermal Stress Analysis in Particulate Composite Components. <i>Strain</i> , 2003, 39, 49-56.	2.4	0
156	Influence of loading pattern in fatigue life for notched round bars subjected to bending-torsion. <i>MATEC Web of Conferences</i> , 2014, 12, 08004.	0.2	0
157	Assessment of acoustic, thermal and mechanical properties of epoxy composites reinforced with expanded clay particles. <i>Ciência &amp; Tecnologia Dos Materiais</i> , 2016, 28, 34-39.	0.5	0
158	On the stress state transition in notched cracked plates under tension loading. <i>Material Design and Processing Communications</i> , 2019, 1, e85.	0.9	0
159	A Study of the Shot Peening Effect on the Fatigue Life Improvement of Al 7475-T7351 3PB Specimens. <i>Structural Integrity</i> , 2019, , 335-341.	1.4	0
160	Prediction of Fatigue Crack Initiation Life in Notched Cylindrical Bars Under Multiaxial Cycling Loading. <i>Structural Integrity</i> , 2019, , 271-277.	1.4	0
161	3D automatic procedure to evaluate the fatigue life extension by overloading. <i>Material Design and Processing Communications</i> , 2020, 2, e110.	0.9	0
162	Special Issue on Recent Trends in Advanced High-Strength Steels. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6914.	2.5	0

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163	Structural Integrity of Polymeric Components Produced by Additive Manufacturing (AM) – Polymer Applications. <i>Polymers</i> , 2021, 13, 4420.	4.5	0
164	Computational Methods for Fatigue and Fracture. <i>Metals</i> , 2022, 12, 739.	2.3	0