

# Andrea Carpinteri

## List of Publications by Year in descending order

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162  
papers

4,195  
citations

94433

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171  
docs citations

171  
times ranked

1564  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiaxial high-cycle fatigue criterion for hard metals. <i>International Journal of Fatigue</i> , 2001, 23, 135-145.	5.7	283
2	Shape change of surface cracks in round bars under cyclic axial loading. <i>International Journal of Fatigue</i> , 1993, 15, 21-26.	5.7	157
3	Multiaxial fatigue assessment using a simplified critical plane-based criterion. <i>International Journal of Fatigue</i> , 2011, 33, 969-976.	5.7	137
4	A fractal analysis of size effect on fatigue crack growth. <i>International Journal of Fatigue</i> , 2004, 26, 125-133.	5.7	130
5	A multiaxial fatigue criterion for random loading. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2003, 26, 515-522.	3.4	102
6	Multiaxial fatigue life estimation in welded joints using the critical plane approach. <i>International Journal of Fatigue</i> , 2009, 31, 188-196.	5.7	102
7	A review of multiaxial fatigue criteria for random variable amplitude loads. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 1007-1036.	3.4	100
8	Structural integrity assessment of metallic components under multiaxial fatigue: the $\sigma$ - $S$ criterion and its evolution. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2013, 36, 870-883.	3.4	97
9	Expected principal stress directions under multiaxial random loading. Part I: theoretical aspects of the weight function method. <i>International Journal of Fatigue</i> , 1999, 21, 83-88.	5.7	80
10	Mode I fracture toughness of fibre reinforced concrete. <i>Theoretical and Applied Fracture Mechanics</i> , 2017, 91, 66-75.	4.7	77
11	A multiaxial criterion for notch high-cycle fatigue using a critical-point method. <i>Engineering Fracture Mechanics</i> , 2008, 75, 1864-1874.	4.3	68
12	Expected principal stress directions under multiaxial random loading. Part II: numerical simulation and experimental assessment through the weight function method. <i>International Journal of Fatigue</i> , 1999, 21, 89-96.	5.7	66
13	Fracture behaviour of plain and fiber-reinforced concrete with different water content under mixed mode loading. <i>Materials &amp; Design</i> , 2010, 31, 2032-2042.	5.1	66
14	Size effect in $S-N$ curves: A fractal approach to finite-life fatigue strength. <i>International Journal of Fatigue</i> , 2009, 31, 927-933.	5.7	64
15	Surface cracks in notched round bars under cyclic tension and bending. <i>International Journal of Fatigue</i> , 2006, 28, 251-260.	5.7	63
16	An alternative definition of the shear stress amplitude based on the Maximum Rectangular Hull method and application to the $\sigma$ - $S$ (Carpinteri-Spagnoli) criterion. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2014, 37, 764-771.	3.4	63
17	The influence of date palm mesh fibre reinforcement on flexural and fracture behaviour of a cement-based mortar. <i>Composites Part B: Engineering</i> , 2018, 152, 292-299.	12.0	60
18	Stress intensity factors and fatigue growth of surface cracks in notched shells and round bars: two decades of research work. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2013, 36, 1164-1177.	3.4	57

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19	A multifractal analysis of fatigue crack growth and its application to concrete. <i>Engineering Fracture Mechanics</i> , 2010, 77, 974-984.	4.3	56
20	Fatigue assessment of notched specimens by means of a critical plane-based criterion and energy concepts. <i>Theoretical and Applied Fracture Mechanics</i> , 2016, 84, 57-63.	4.7	53
21	An approach to size effect in fatigue of metals using fractal theories. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2002, 25, 619-627.	3.4	51
22	A notch multiaxial-fatigue approach based on damage mechanics. <i>International Journal of Fatigue</i> , 2012, 39, 122-133.	5.7	51
23	On the use of the Prismatic Hull method in a critical plane-based multiaxial fatigue criterion. <i>International Journal of Fatigue</i> , 2014, 68, 159-167.	5.7	49
24	Stress intensity factors for straight-fronted edge cracks in round bars. <i>Engineering Fracture Mechanics</i> , 1992, 42, 1035-1040.	4.3	48
25	Fatigue growth of a surface crack in a welded T-joint. <i>International Journal of Fatigue</i> , 2005, 27, 59-69.	5.7	48
26	Lifetime estimation in the low/medium-cycle regime using the Carpinteri-“Spagnoli multiaxial fatigue criterion. <i>Theoretical and Applied Fracture Mechanics</i> , 2014, 73, 120-127.	4.7	48
27	Surface cracks in fatigued structural components: a review. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2013, 36, 1209-1222.	3.4	47
28	Reformulation in the frequency domain of a critical plane-based multiaxial fatigue criterion. <i>International Journal of Fatigue</i> , 2014, 67, 55-61.	5.7	47
29	Critical Plane Orientation Influence on Multiaxial High-Cycle Fatigue Assessment. <i>Physical Mesomechanics</i> , 2015, 18, 348-354.	1.9	47
30	Multiaxial fatigue under variable amplitude loadings: review and solutions. <i>International Journal of Structural Integrity</i> , 2022, 13, 349-393.	3.3	46
31	SURFACE FLAWS IN CYLINDRICAL SHAFTS UNDER ROTARY BENDING. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 1998, 21, 1027-1035.	3.4	45
32	Fatigue life assessment under a complex multiaxial load history: an approach based on damage mechanics. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2012, 35, 141-153.	3.4	45
33	Fracture mechanics based approach to fatigue analysis of welded joints. <i>Engineering Failure Analysis</i> , 2015, 49, 67-78.	4.0	43
34	Influence of the crack morphology on the fatigue crack growth rate: A continuously-kinked crack model based on fractals. <i>Engineering Fracture Mechanics</i> , 2008, 75, 579-589.	4.3	41
35	Fatigue life evaluation of metallic structures under multiaxial random loading. <i>International Journal of Fatigue</i> , 2016, 90, 191-199.	5.7	41
36	Circumferential surface flaws in pipes under cyclic axial loading. <i>Engineering Fracture Mechanics</i> , 1998, 60, 383-396.	4.3	39

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37	Sickle-shaped cracks in metallic round bars under cyclic eccentric axial loading. <i>International Journal of Fatigue</i> , 2009, 31, 759-765.	5.7	39
38	Fatigue damage of high performance concrete through a 2D mesoscopic lattice model. <i>Computational Materials Science</i> , 2009, 44, 1098-1106.	3.0	39
39	Lightweight construction materials: Mortar reinforced with date-palm mesh fibres. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 100, 39-45.	4.7	39
40	An elastic-plastic crack bridging model for brittle-matrix fibrous composite beams under cyclic loading. <i>International Journal of Solids and Structures</i> , 2006, 43, 4917-4936.	2.7	38
41	Sickle-shaped surface crack in a notched round bar under cyclic tension and bending. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2009, 32, 223-232.	3.4	37
42	Expected position of the fatigue fracture plane by using the weighted mean principal Euler angles. <i>International Journal of Fracture</i> , 2002, 115, 87-99.	2.2	36
43	Influence of the cold-drawing process on fatigue crack growth of a V-notched round bar. <i>International Journal of Fatigue</i> , 2010, 32, 1136-1145.	5.7	36
44	Estimation of fatigue life under multiaxial loading by varying the critical plane orientation. <i>International Journal of Fatigue</i> , 2017, 100, 512-520.	5.7	35
45	Spectral fatigue life estimation for non-proportional multiaxial random loading. <i>Theoretical and Applied Fracture Mechanics</i> , 2016, 83, 67-72.	4.7	34
46	Modified two-parameter fracture model for bone. <i>Engineering Fracture Mechanics</i> , 2017, 174, 44-53.	4.3	34
47	Part-through cracks in pipes under cyclic bending. <i>Nuclear Engineering and Design</i> , 1998, 185, 1-10.	1.7	33
48	A fracture mechanics model for a composite beam with multiple reinforcements under cyclic bending. <i>International Journal of Solids and Structures</i> , 2004, 41, 5499-5515.	2.7	33
49	Fatigue life estimation for multiaxial low-cycle fatigue regime: The influence of the effective Poisson ratio value. <i>Theoretical and Applied Fracture Mechanics</i> , 2015, 79, 77-83.	4.7	32
50	Fretting fatigue investigation on Al 7075-T651 alloy: Experimental, analytical and numerical analysis. <i>Tribology International</i> , 2019, 135, 478-487.	5.9	31
51	Notched shells with surface cracks under complex loading. <i>International Journal of Mechanical Sciences</i> , 2006, 48, 638-649.	6.7	29
52	Synergy assessment of hybrid reinforcements in concrete. <i>Composites Part B: Engineering</i> , 2018, 147, 197-206.	12.0	28
53	Notched double-curvature shells with cracks under pulsating internal pressure. <i>International Journal of Pressure Vessels and Piping</i> , 2009, 86, 443-453.	2.6	27
54	Fracture mechanics approach for a partially debonded cylindrical fibre. <i>Composites Part B: Engineering</i> , 2013, 53, 169-178.	12.0	25

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55	Micromechanical crack growth-based fatigue damage in fibrous composites. International Journal of Fatigue, 2016, 82, 98-109.	5.7	25
56	Fatigue lifetime evaluation of notched components: Implementation of the control volume concept in a strain-based LCF criterion. Theoretical and Applied Fracture Mechanics, 2018, 97, 400-408.	4.7	25
57	Crack initiation and life estimation for 316 and 430 stainless steel specimens by means of a critical plane approach. International Journal of Fatigue, 2020, 138, 105677.	5.7	25
58	Fatigue life estimation of fillet-welded tubular T-joints subjected to multiaxial loading. International Journal of Fatigue, 2017, 101, 263-270.	5.7	24
59	Fatigue assessment of metallic components under uniaxial and multiaxial variable amplitude loading. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 1306-1317.	3.4	24
60	Critical Plane Criterion for Fatigue Life Calculation: Time and Frequency Domain Formulations. Procedia Engineering, 2015, 101, 518-523.	1.2	23
61	From NASGRO to fractals: Representing crack growth in metals. International Journal of Fatigue, 2016, 82, 540-549.	5.7	23
62	Circumferentially notched pipe with an external surface crack under complex loading. International Journal of Mechanical Sciences, 2003, 45, 1929-1947.	6.7	22
63	Simplified analysis of fracture behaviour of a Francis hydraulic turbine runner blade. Fatigue and Fracture of Engineering Materials and Structures, 2013, 36, 679-688.	3.4	22
64	Contribution of date-palm fibres reinforcement to mortar fracture toughness. Procedia Structural Integrity, 2018, 13, 542-547.	0.8	22
65	Lifetime estimation of mechanical assemblies under constant amplitude fretting fatigue loading. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 1927-1936.	3.4	22
66	Fracture toughness characterisation of a glass fibre reinforced plastic composite. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 3-13.	3.4	21
67	Mechanical damage of ordinary or prestressed reinforced concrete beams under cyclic bending. Engineering Fracture Mechanics, 2005, 72, 1313-1328.	4.3	19
68	Cracking behaviour of fibre-reinforced cementitious composites: A comparison between a continuous and a discrete computational approach. Engineering Fracture Mechanics, 2013, 103, 103-114.	4.3	19
69	Mean stress effect on fatigue life estimation for Inconel 718 alloy. International Journal of Fatigue, 2020, 133, 105391.	5.7	19
70	A three-parameter model for fatigue behaviour of circumferential surface flaws in pipes. International Journal of Mechanical Sciences, 2000, 42, 1255-1269.	6.7	18
71	Sickle-shaped crack in a round bar under complex Mode I loading. Fatigue and Fracture of Engineering Materials and Structures, 2007, 30, 524-534.	3.4	18
72	Using the lead crack concept and fractal geometry for fatigue lifing of metallic structural components. International Journal of Fatigue, 2017, 102, 214-220.	5.7	17

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73	Static crack extension prediction in aluminium alloy at low temperature. <i>Engineering Fracture Mechanics</i> , 2008, 75, 510-525.	4.3	16
74	Damage mechanics and Paris regime in fatigue life assessment of metals. <i>International Journal of Pressure Vessels and Piping</i> , 2013, 104, 57-68.	2.6	16
75	Influence of material microvoids and heterogeneities on fatigue crack propagation. <i>Acta Mechanica</i> , 2014, 225, 3123-3135.	2.1	16
76	An experimental investigation on the quasi-brittle fracture of marble rocks. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2016, 39, 956-968.	3.4	16
77	Fatigue analysis of a near-equiatomic pseudo-elastic NiTi SMA. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 94, 110-119.	4.7	16
78	Mode I fracture toughness of fibre-reinforced concrete by means of a modified version of the two-parameter model. <i>Procedia Structural Integrity</i> , 2016, 2, 2889-2895.	0.8	15
79	Welded joints under multiaxial non-proportional loading. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 93, 202-210.	4.7	15
80	External surface cracks in shells under cyclic internal pressure. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2000, 23, 467-476.	3.4	14
81	Size-effect independence of particleboard fracture toughness. <i>Composite Structures</i> , 2019, 229, 111374.	5.8	14
82	Fatigue behaviour assessment of ductile cast iron smooth specimens. <i>International Journal of Fatigue</i> , 2021, 152, 106459.	5.7	14
83	Latent crack path and service life predictions for unnotched concrete under bending by digital speckle correlation method. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2008, 31, 29-37.	3.4	13
84	An algorithm for fast critical plane search in computer-aided engineering durability analysis under multiaxial random loadings: Application to the Carpinteri-Spagnoli-Vantadori spectral method. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 1978-1993.	3.4	13
85	Stress-intensity factors at the interface edge of a partially detached fibre. <i>Theoretical and Applied Fracture Mechanics</i> , 2013, 67-68, 1-13.	4.7	12
86	How Soft Polymers Cope with Cracks and Notches. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1086.	2.5	12
87	Mode I fracture toughness of the thermally pretreated red Verona marble by means of the two-parameter model. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2015, 38, 1529-1538.	3.4	11
88	Interpreting some experimental evidences of fatigue crack size effects through a kinked crack model. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2015, 38, 215-222.	3.4	11
89	Kinetics of Intermetallic Phases and Mechanical Behavior of ZnSn3% Hot-Dip Galvanization Coatings. <i>Advanced Engineering Materials</i> , 2016, 18, 2088-2094.	3.5	11
90	Probabilistic failure assessment of Fibreglass composites. <i>Composite Structures</i> , 2017, 160, 1163-1170.	5.8	11

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91	Fatigue failure analysis of three-layer Zr/Ti/Steel composite plates: an insight into the evolution of cracks initiated at the interfaces. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	11
92	Novel zinc-based alloys used to improve the corrosion protection of metallic substrates. Engineering Failure Analysis, 2017, 82, 327-339.	4.0	10
93	Fretting failure of a pressure armour in an unbonded flexible riser. International Journal of Fatigue, 2019, 128, 105203.	5.7	10
94	Fracture and fatigue properties of metallic alloys S275 J2 and Al7075 T6 at low temperatures. Journal of Materials Science, 2008, 43, 4780-4788.	3.7	9
95	A Strain-based Multiaxial Fatigue Criterion Connected to the Critical Plane Approach. Procedia Engineering, 2014, 74, 317-320.	1.2	9
96	Fretting High-Cycle Fatigue Assessment through a Multiaxial Critical Plane-Based Criterion in Conjunction with the Taylor's Point Method. Solid State Phenomena, 0, 258, 217-220.	0.3	9
97	Computational Fatigue Analysis of the Pin-Loaded Lug with Quarter-Elliptical Corner Crack. International Journal of Applied Mechanics, 2017, 09, 1750058.	2.2	9
98	Structural integrity of shot peened Ti6Al4V specimens under fretting fatigue. International Journal of Fracture, 2022, 234, 45-55.	2.2	9
99	A Novel Implementation of the LDEM in the Ansys LS-DYNA Finite Element Code. Materials, 2021, 14, 7792.	2.9	9
100	Some considerations on failure of solids and liquids. Strength of Materials, 2010, 42, 154-166.	0.5	8
101	Defect tolerance at various strain rates in elastomeric materials: An experimental investigation. Engineering Fracture Mechanics, 2017, 183, 79-93.	4.3	8
102	Near-tip stress fields of rough and frictional cracks under mixed-mode loading. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 2099-2109.	3.4	8
103	Mode II crack shielding in a compressed rough crack with friction. Theoretical and Applied Fracture Mechanics, 2020, 107, 102515.	4.7	8
104	A novel procedure for damage evaluation of fillet-welded joints. International Journal of Fatigue, 2020, 136, 105599.	5.7	8
105	Notch effect in highly deformable material sheets. Thin-Walled Structures, 2016, 105, 90-100.	5.3	7
106	Novel non-linear relationship to evaluate the critical plane orientation. International Journal of Fatigue, 2019, 124, 537-543.	5.7	7
107	A frequency-domain approach for damage detection in welded structures. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 1134-1148.	3.4	7
108	Effects of BFRP Bar Diameter and Cover Thickness on Fracture Behavior of BFRP Reinforced Ecological High-Ductility Cementitious Composites. Journal of Testing and Evaluation, 2021, 49, 4086-4101.	0.7	7

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109	Vibration fatigue analysis of circumferentially notched specimens under coupled multiaxial random vibration environments. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 2412-2428.	3.4	7
110	Mechanical Behaviour and Phase Transition Mechanisms of a Shape Memory Alloy by Means of a Novel Analytical Model. <i>Acta Mechanica Et Automatica</i> , 2018, 12, 105-108.	0.6	7
111	Interpreting experimental fracture toughness results of quasi-brittle natural materials through multi-parameter approaches. <i>Frattura Ed Integrita Strutturale</i> , 2015, 9, 80-88.	0.9	7
112	A computational approach to evaluate the mechanical influence of fibres on brittle-matrix composite materials. <i>Computational Materials Science</i> , 2012, 64, 212-215.	3.0	6
113	Continuous and lattice models to describe crack paths in brittle matrix composites with random and unidirectional fibres. <i>Engineering Fracture Mechanics</i> , 2013, 108, 170-182.	4.3	6
114	Influence of random fatigue loading non-proportionality on damage. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 96, 56-63.	4.7	6
115	Investigation on crack nucleation location in fretting-affected Al 7050-T7451 alloy. <i>International Journal of Fatigue</i> , 2022, 163, 107016.	5.7	6
116	Effect of non-metallic inclusions on AISI 4140 fatigue strength. <i>International Journal of Fatigue</i> , 2022, 163, 107031.	5.7	6
117	The RED criterion for fatigue life assessment of metals under non-proportional loading. <i>International Journal of Fatigue</i> , 2022, 163, 107080.	5.7	6
118	Influence of Residual Stresses on Fatigue Crack Propagation in Pearlitic Cold-Drawn Steel Wires. <i>Materials Science Forum</i> , 0, 681, 229-235.	0.3	5
119	Crack path dependence on inhomogeneities of material microstructure. <i>Frattura Ed Integrita Strutturale</i> , 2012, 6, 6-16.	0.9	5
120	Defect tolerance in soft materials. <i>Procedia Structural Integrity</i> , 2016, 2, 2788-2795.	0.8	5
121	Micromechanical model for preferentially-oriented short-fibre-reinforced materials under cyclic loading. <i>Engineering Fracture Mechanics</i> , 2016, 167, 138-150.	4.3	5
122	Crack morphology models for fracture toughness and fatigue strength analysis. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 1965-1979.	3.4	5
123	Fatigue endurance design of plates with two semicircular edge notches and one quarter-elliptical corner crack or through-the-thickness crack. <i>International Journal of Fatigue</i> , 2019, 127, 45-52.	5.7	5
124	Multiaxial fatigue life evaluation of notched structural components: An analytical approach. <i>Material Design and Processing Communications</i> , 2019, 1, e74.	0.9	5
125	Fracture mechanics-based mixture optimization of ecological high-ductility cementitious composites modified with recycled asphalt concrete. <i>Construction and Building Materials</i> , 2020, 264, 120686.	7.2	5
126	Fatigue-resistance evaluations for mixed mode damages under constant amplitude and overload. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 108, 102599.	4.7	5



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127	Life estimation by varying the critical plane orientation in the modified Carpinteri-Spagnoli criterion. <i>Frattura Ed Integrita Strutturale</i> , 2015, 9, .	0.9	5
128	Fatigue lifetime assessment of AM metallic components according to a strain-based criterion. <i>International Journal of Fatigue</i> , 2022, 156, 106674.	5.7	5
129	Defect sensitivity to failure of highly deformable polymeric materials. <i>Theoretical and Applied Fracture Mechanics</i> , 2017, 88, 107-116.	4.7	4
130	Energy Concepts and Critical Plane for Fatigue Assessment of Ti-6Al-4V Notched Specimens. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2163.	2.5	4
131	Modelling the residual strength of fatigue damage at a single semicircular edge notch: Semielliptical crack and through-the-thickness crack. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 1010-1021.	3.4	4
132	Fracture toughness of rough and frictional cracks emanating from a re-entrant corner. <i>Frattura Ed Integrita Strutturale</i> , 2017, 11, 175-182.	0.9	4
133	A novel methodology for fatigue assessment of high strength steels with non-metallic inclusions. <i>Procedia Structural Integrity</i> , 2022, 39, 503-508.	0.8	4
134	Real-time Detection and Analysis of Damage in High-performance Concrete under Cyclic Bending. <i>Experimental Mechanics</i> , 2010, 50, 413-428.	2.0	3
135	A Plasticity-Like Discontinuous FE Approach for Plain and Fiber-Reinforced Brittle Materials. <i>Mechanics of Advanced Materials and Structures</i> , 2012, 19, 277-289.	2.6	3
136	Fractals and the lead crack airframe lifing framework. <i>Procedia Structural Integrity</i> , 2016, 2, 3081-3089.	0.8	3
137	Tension failure assessment at lug hole edges. <i>International Journal of Fatigue</i> , 2019, 121, 293-300.	5.7	3
138	Lifetime estimation for 316 stainless steel specimens by using a critical plane approach. <i>Procedia Structural Integrity</i> , 2020, 26, 106-112.	0.8	3
139	Analysis of Cracked and Notched Round Bars Under Rotary Bending. <i>Materials Performance and Characterization</i> , 2015, 4, 131-142.	0.3	3
140	Size effect on the fracture resistance of rough and frictional cracks. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 401-407.	0.9	3
141	Fatigue strength evaluation and lifetime estimation for ductile cast irons under multiaxial loading. <i>Procedia Structural Integrity</i> , 2021, 33, 773-780.	0.8	3
142	Fatigue life estimation in welded joints under multiaxial loadings. <i>Frattura Ed Integrita Strutturale</i> , 2009, 3, 46-54.	0.9	2
143	On a kinked crack model to describe the influence of material microstructure on fatigue crack growth. <i>Frattura Ed Integrita Strutturale</i> , 2013, 7, 94-101.	0.9	2
144	Defect sensitivity of highly deformable polymeric materials with different intrinsic qualities at various strain rates. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 806-820.	3.4	2

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145	Multiaxial fatigue assessment of welded connections in railway steel bridge under constant and variable amplitude loading. <i>Bridge Structures</i> , 2018, 14, 21-33.	0.4	2
146	Shape of the power spectral density matrix components: Influence on fatigue damage. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 972-987.	3.4	2
147	Time and frequency domain models for multiaxial fatigue life estimation under random loading. <i>Frattura Ed Integrita Strutturale</i> , 2015, 9, 376-381.	0.9	2
148	Influence of crack nucleation location on fretting fatigue crack path. <i>Procedia Structural Integrity</i> , 2022, 39, 632-637.	0.8	2
149	Some Applications of Fractal Fracture Mechanics to Describe the Fatigue Behaviour of Materials. <i>Key Engineering Materials</i> , 2008, 378-379, 355-370.	0.4	1
150	The Generalised Local Model applied to Fibreglass. <i>Composite Structures</i> , 2018, 202, 1353-1360.	5.8	1
151	Computational Failure Analysis under Overloading. <i>Metals</i> , 2021, 11, 1509.	2.3	1
152	Modelling of the fatigue strength degradation due to a semi-elliptical flaw. <i>Forces in Mechanics</i> , 2021, 4, 100020.	2.8	1
153	Total life approach analysis of ductile cast iron smooth specimens. <i>Procedia Structural Integrity</i> , 2020, 28, 1055-1061.	0.8	1
154	Joined application of a multiaxial critical plane criterion and a strain energy density criterion in low-cycle fatigue. <i>Frattura Ed Integrita Strutturale</i> , 2017, 11, 66-70.	0.9	1
155	A novel methodology for fatigue assessment of Ductile Cast Iron (DCI) with solidification defects. <i>Procedia Structural Integrity</i> , 2022, 41, 500-504.	0.8	1
156	Damage Mechanics and Critical Plane Approach to Multiaxial Fatigue. <i>Key Engineering Materials</i> , 0, 592-593, 239-245.	0.4	0
157	Mode II fracture toughness for non-planar frictional cracks. <i>Procedia Structural Integrity</i> , 2018, 9, 159-164.	0.8	0
158	Crack shielding in non-planar and frictional discontinuities under mixed-mode loading. <i>MATEC Web of Conferences</i> , 2019, 300, 15003.	0.2	0
159	Crack paths in soft thin sheets. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 1-9.	0.9	0
160	A Multiaxial Criterion for Notch Fatigue Using a Critical-Distance Method. , 2006, , 1091-1092.		0
161	Fatigue degradation analysis of elliptical corner damage. <i>Procedia Structural Integrity</i> , 2022, 39, 624-631.	0.8	0
162	Driving mode analysis of quarter-elliptical flaw under cyclic loading. <i>Procedia Structural Integrity</i> , 2022, 41, 704-711.	0.8	0