

Camilla Ronchei

List of Publications by Year in descending order

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58
papers

1,006
citations

394421

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h-index

454955

30
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58
all docs

58
docs citations

58
times ranked

529
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of non-metallic inclusions on the high cycle fatigue strength of steels. International Journal of Fatigue, 2022, 154, 106553.	5.7	18
2	Fatigue lifetime assessment of AM metallic components according to a strain-based criterion. International Journal of Fatigue, 2022, 156, 106674.	5.7	5
3	A Novel Damage Parameter for Fatigue Life Assessment under Non-Proportional Loading. Procedia Structural Integrity, 2022, 39, 460-465.	0.8	0
4	Numerical Simulation of Traditional and Technological Zinc-Based Coatings: Part I. Advanced Engineering Materials, 2022, 24, .	3.5	3
5	Investigation of mesh dependency issues in the simulation of crack propagation in quasi-brittle materials by using a diffuse interface modeling approach. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 801-820.	3.4	17
6	Investigation on crack nucleation location in fretting-affected Al 7050-T7451 alloy. International Journal of Fatigue, 2022, 163, 107016.	5.7	6
7	Crack path estimation in the shot-earth 772 by a discrete element method. Procedia Structural Integrity, 2022, 41, 260-265.	0.8	2
8	A novel methodology for fatigue assessment of Ductile Cast Iron (DCI) with solidification defects. Procedia Structural Integrity, 2022, 41, 500-504.	0.8	1
9	Effect of non-metallic inclusions on AISI 4140 fatigue strength. International Journal of Fatigue, 2022, 163, 107031.	5.7	6
10	The RED criterion for fatigue life assessment of metals under non-proportional loading. International Journal of Fatigue, 2022, 163, 107080.	5.7	6
11	Influence of hot-spot on crack path and lifetime estimation of fretting-affected steel components. Theoretical and Applied Fracture Mechanics, 2022, 121, 103467.	4.7	5
12	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
13	Notch fatigue life estimation of Ti-6Al-4V. Engineering Failure Analysis, 2021, 120, 105098.	4.0	12
14	Fatigue life assessment of DCI smooth specimens. Material Design and Processing Communications, 2021, 3, e210.	0.9	1
15	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
16	Vibration fatigue analysis of circumferentially notched specimens under coupled multiaxial random vibration environments. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 2412-2428.	3.4	7
17	Fatigue behaviour assessment of ductile cast iron smooth specimens. International Journal of Fatigue, 2021, 152, 106459.	5.7	14
18	Fatigue strength evaluation and lifetime estimation for ductile cast irons under multiaxial loading. Procedia Structural Integrity, 2021, 33, 773-780.	0.8	3

#	ARTICLE	IF	CITATIONS
19	Fatigue behaviour assessment of additive manufactured Ti-6Al-4V by means of a critical plane criterion. <i>Procedia Structural Integrity</i> , 2021, 34, 166-171.	0.8	2
20	Mean stress effect on fatigue life estimation for Inconel 718 alloy. <i>International Journal of Fatigue</i> , 2020, 133, 105391.	5.7	19
21	A detailed micro-model for brick masonry structures based on a diffuse cohesive-frictional interface fracture approach. <i>Procedia Structural Integrity</i> , 2020, 25, 334-347.	0.8	19
22	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
23	A novel procedure for damage evaluation of fillet-welded joints. <i>International Journal of Fatigue</i> , 2020, 136, 105599.	5.7	8
24	Crack initiation and life estimation for 316 and 430 stainless steel specimens by means of a critical plane approach. <i>International Journal of Fatigue</i> , 2020, 138, 105677.	5.7	25
25	Total life approach analysis of ductile cast iron smooth specimens. <i>Procedia Structural Integrity</i> , 2020, 28, 1055-1061.	0.8	1
26	Size-effect independence of particleboard fracture toughness. <i>Composite Structures</i> , 2019, 229, 111374.	5.8	14
27	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
28	Multiaxial fatigue life evaluation of notched structural components: An analytical approach. <i>Material Design and Processing Communications</i> , 2019, 1, e74.	0.9	5
29	Mean stress effects on Low-Cycle Fatigue behaviour of Inconel 718 alloy. <i>MATEC Web of Conferences</i> , 2019, 300, 15004.	0.2	0
30	Discussion on fatigue life estimation under multiaxial random loading: Comparison between time- and frequency-domain approach. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 96, 134-145.	4.7	11
31	Synergy assessment of hybrid reinforcements in concrete. <i>Composites Part B: Engineering</i> , 2018, 147, 197-206.	12.0	28
32	Influence of random fatigue loading non-proportionality on damage. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 96, 56-63.	4.7	6
33	Fatigue lifetime evaluation of notched components: Implementation of the control volume concept in a strain-based LCF criterion. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 97, 400-408.	4.7	25
34	Welded joints under multiaxial non-proportional loading. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 93, 202-210.	4.7	15
35	Multiaxial fatigue life estimation in low-cycle fatigue regime including the mean stress effect. <i>MATEC Web of Conferences</i> , 2018, 165, 16002.	0.2	1
36	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

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37	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
38	Mode I fracture toughness of fibre reinforced concrete. <i>Theoretical and Applied Fracture Mechanics</i> , 2017, 91, 66-75.	4.7	77
39	Fatigue strength of welded joints under multiaxial non-proportional loading. <i>Procedia Structural Integrity</i> , 2017, 5, 761-768.	0.8	3
40	Modified two-parameter fracture model for bone. <i>Engineering Fracture Mechanics</i> , 2017, 174, 44-53.	4.3	34
41	Fatigue life estimation of fillet-welded tubular T-joints subjected to multiaxial loading. <i>International Journal of Fatigue</i> , 2017, 101, 263-270.	5.7	24
42	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
43	Fatigue life evaluation of metallic structures under multiaxial random loading. <i>International Journal of Fatigue</i> , 2016, 90, 191-199.	5.7	41
44	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
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	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
47	Fracture mechanics based approach to fatigue analysis of welded joints. <i>Engineering Failure Analysis</i> , 2015, 49, 67-78.	4.0	43
48	Critical Plane Criterion for Fatigue Life Calculation: Time and Frequency Domain Formulations. <i>Procedia Engineering</i> , 2015, 101, 518-523.	1.2	23
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	Analysis of Cracked and Notched Round Bars Under Rotary Bending. <i>Materials Performance and Characterization</i> , 2015, 4, 131-142.	0.3	3
51	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
52	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
53	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
54	Fatigue Resistant Design of Round Bars Weakened by a V-Shaped Circumferential Notch. <i>Procedia Engineering</i> , 2014, 74, 321-324.	1.2	3

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55	A Strain-based Multiaxial Fatigue Criterion Connected to the Critical Plane Approach. <i>Procedia Engineering</i> , 2014, 74, 317-320.	1.2	9
56	An alternative definition of the shear stress amplitude based on the Maximum Rectangular Hull method and application to the C&S (Carpinteri&Spagnoli) criterion. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2014, 37, 764-771.	3.4	63
57	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
58	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