

Camilla Ronchei

List of Publications by Year in descending order

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58
papers

1,006
citations

394421

19
h-index

454955

30
g-index

58
all docs

58
docs citations

58
times ranked

529
citing authors

#	ARTICLE	IF	CITATIONS
1	Mode I fracture toughness of fibre reinforced concrete. Theoretical and Applied Fracture Mechanics, 2017, 91, 66-75.	4.7	77
2	An alternative definition of the shear stress amplitude based on the Maximum Rectangular Hull method and application to the C&S (Carpinteri&Spagnoli) criterion. Fatigue and Fracture of Engineering Materials and Structures, 2014, 37, 764-771.	3.4	63
3	The influence of date palm mesh fibre reinforcement on flexural and fracture behaviour of a cement-based mortar. Composites Part B: Engineering, 2018, 152, 292-299.	12.0	60
4	Stress intensity factors and fatigue growth of surface cracks in notched shells and round bars: two decades of research work. Fatigue and Fracture of Engineering Materials and Structures, 2013, 36, 1164-1177.	3.4	57
5	Fatigue assessment of notched specimens by means of a critical plane-based criterion and energy concepts. Theoretical and Applied Fracture Mechanics, 2016, 84, 57-63.	4.7	53
6	On the use of the Prismatic Hull method in a critical plane-based multiaxial fatigue criterion. International Journal of Fatigue, 2014, 68, 159-167.	5.7	49
7	Lifetime estimation in the low/medium-cycle regime using the Carpinteri&Spagnoli multiaxial fatigue criterion. Theoretical and Applied Fracture Mechanics, 2014, 73, 120-127.	4.7	48
8	Fracture mechanics based approach to fatigue analysis of welded joints. Engineering Failure Analysis, 2015, 49, 67-78.	4.0	43
9	Fatigue life evaluation of metallic structures under multiaxial random loading. International Journal of Fatigue, 2016, 90, 191-199.	5.7	41
10	Spectral fatigue life estimation for non-proportional multiaxial random loading. Theoretical and Applied Fracture Mechanics, 2016, 83, 67-72.	4.7	34
11	Modified two-parameter fracture model for bone. Engineering Fracture Mechanics, 2017, 174, 44-53.	4.3	34
12	Fatigue life estimation for multiaxial low-cycle fatigue regime: The influence of the effective Poisson ratio value. Theoretical and Applied Fracture Mechanics, 2015, 79, 77-83.	4.7	32
13	Synergy assessment of hybrid reinforcements in concrete. Composites Part B: Engineering, 2018, 147, 197-206.	12.0	28
14	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
15	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
16	Fatigue life estimation of fillet-welded tubular T-joints subjected to multiaxial loading. International Journal of Fatigue, 2017, 101, 263-270.	5.7	24
17	Critical Plane Criterion for Fatigue Life Calculation: Time and Frequency Domain Formulations. Procedia Engineering, 2015, 101, 518-523.	1.2	23
18	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

#	ARTICLE	IF	CITATIONS
19	Mean stress effect on fatigue life estimation for Inconel 718 alloy. <i>International Journal of Fatigue</i> , 2020, 133, 105391.	5.7	19
20	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
21	Influence of non-metallic inclusions on the high cycle fatigue strength of steels. <i>International Journal of Fatigue</i> , 2022, 154, 106553.	5.7	18
22	Investigation of mesh dependency issues in the simulation of crack propagation in quasi-brittle materials by using a diffuse interface modeling approach. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 801-820.	3.4	17
23	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
24	Welded joints under multiaxial non-proportional loading. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 93, 202-210.	4.7	15
25	Size-effect independence of particleboard fracture toughness. <i>Composite Structures</i> , 2019, 229, 111374.	5.8	14
26	Fatigue behaviour assessment of ductile cast iron smooth specimens. <i>International Journal of Fatigue</i> , 2021, 152, 106459.	5.7	14
27	Notch fatigue life estimation of Ti-6Al-4V. <i>Engineering Failure Analysis</i> , 2021, 120, 105098.	4.0	12
28	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
29	A Strain-based Multiaxial Fatigue Criterion Connected to the Critical Plane Approach. <i>Procedia Engineering</i> , 2014, 74, 317-320.	1.2	9
30	A novel procedure for damage evaluation of fillet-welded joints. <i>International Journal of Fatigue</i> , 2020, 136, 105599.	5.7	8
31	A frequency-domain approach for damage detection in welded structures. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 1134-1148.	3.4	7
32	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
33	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
34	Influence of random fatigue loading non-proportionality on damage. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 96, 56-63.	4.7	6
35	Investigation on crack nucleation location in fretting-affected Al 7050-T7451 alloy. <i>International Journal of Fatigue</i> , 2022, 163, 107016.	5.7	6
36	Effect of non-metallic inclusions on AISI 4140 fatigue strength. <i>International Journal of Fatigue</i> , 2022, 163, 107031.	5.7	6

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37	The RED criterion for fatigue life assessment of metals under non-proportional loading. International Journal of Fatigue, 2022, 163, 107080.	5.7	6
38	Multiaxial fatigue life evaluation of notched structural components: An analytical approach. Material Design and Processing Communications, 2019, 1, e74.	0.9	5
39	Life estimation by varying the critical plane orientation in the modified Carpinteri-Spagnoli criterion. Frattura Ed Integrita Strutturale, 2015, 9, .	0.9	5
40	Fatigue lifetime assessment of AM metallic components according to a strain-based criterion. International Journal of Fatigue, 2022, 156, 106674.	5.7	5
41	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
42	Energy Concepts and Critical Plane for Fatigue Assessment of Ti-6Al-4V Notched Specimens. Applied Sciences (Switzerland), 2019, 9, 2163.	2.5	4
43	Fatigue Resistant Design of Round Bars Weakened by a V-Shaped Circumferential Notch. Procedia Engineering, 2014, 74, 321-324.	1.2	3
44	Fatigue strength of welded joints under multiaxial non-proportional loading. Procedia Structural Integrity, 2017, 5, 761-768.	0.8	3
45	Lifetime estimation for 316 stainless steel specimens by using a critical plane approach. Procedia Structural Integrity, 2020, 26, 106-112.	0.8	3
46	Analysis of Cracked and Notched Round Bars Under Rotary Bending. Materials Performance and Characterization, 2015, 4, 131-142.	0.3	3
47	Fatigue strength evaluation and lifetime estimation for ductile cast irons under multiaxial loading. Procedia Structural Integrity, 2021, 33, 773-780.	0.8	3
48	Numerical Simulation of Traditional and Technological Zinc-Based Coatings: Part I. Advanced Engineering Materials, 2022, 24, .	3.5	3
49	Time and frequency domain models for multiaxial fatigue life estimation under random loading. Frattura Ed Integrita Strutturale, 2015, 9, 376-381.	0.9	2
50	Fatigue behaviour assessment of additive manufactured Ti-6Al-4V by means of a critical plane criterion. Procedia Structural Integrity, 2021, 34, 166-171.	0.8	2
51	Crack path estimation in the shot-earth 772 by a discrete element method. Procedia Structural Integrity, 2022, 41, 260-265.	0.8	2
52	Multiaxial fatigue life estimation in low-cycle fatigue regime including the mean stress effect. MATEC Web of Conferences, 2018, 165, 16002.	0.2	1
53	Fatigue life assessment of DCI smooth specimens. Material Design and Processing Communications, 2021, 3, e210.	0.9	1
54	Total life approach analysis of ductile cast iron smooth specimens. Procedia Structural Integrity, 2020, 28, 1055-1061.	0.8	1

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55	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
56	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
57	Mean stress effects on Low-Cycle Fatigue behaviour of Inconel 718 alloy. <i>MATEC Web of Conferences</i> , 2019, 300, 15004.	0.2	0
58	A Novel Damage Parameter for Fatigue Life Assessment under Non-Proportional Loading. <i>Procedia Structural Integrity</i> , 2022, 39, 460-465.	0.8	0