

Daniela Scorza

List of Publications by Year in descending order

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papers

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29
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65
all docs

65
docs citations

65
times ranked

621
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	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
3	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
4	Fracture mechanics based approach to fatigue analysis of welded joints. Engineering Failure Analysis, 2015, 49, 67-78.	4.0	43
5	Fatigue life evaluation of metallic structures under multiaxial random loading. International Journal of Fatigue, 2016, 90, 191-199.	5.7	41
6	Spectral fatigue life estimation for non-proportional multiaxial random loading. Theoretical and Applied Fracture Mechanics, 2016, 83, 67-72.	4.7	34
7	Modified two-parameter fracture model for bone. Engineering Fracture Mechanics, 2017, 174, 44-53.	4.3	34
8	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
9	Free flexural vibrations of nanobeams with non-classical boundary conditions using stress-driven nonlocal model. Mechanics Research Communications, 2020, 107, 103536.	1.8	27
10	Fracture mechanics approach for a partially debonded cylindrical fibre. Composites Part B: Engineering, 2013, 53, 169-178.	12.0	25
11	Micromechanical crack growth-based fatigue damage in fibrous composites. International Journal of Fatigue, 2016, 82, 98-109.	5.7	25
12	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
13	Novel local/nonlocal formulation of the stress-driven model through closed form solution for higher vibrations modes. Composite Structures, 2020, 252, 112688.	5.8	25
14	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
15	A micro-mechanical model for statistically unidirectional and randomly distributed fibre-reinforced solids. Mathematics and Mechanics of Solids, 2012, 17, 876-893.	2.4	24
16	Numerical modelling of the fracture behaviour of brittle materials reinforced with unidirectional or randomly distributed fibres. Mechanics of Materials, 2012, 52, 12-27.	3.2	24
17	Fatigue life estimation of fillet-welded tubular T-joints subjected to multiaxial loading. International Journal of Fatigue, 2017, 101, 263-270.	5.7	24
18	Critical Plane Criterion for Fatigue Life Calculation: Time and Frequency Domain Formulations. Procedia Engineering, 2015, 101, 518-523.	1.2	23

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19	Fracture behaviour of hybrid fibre-reinforced roller-compacted concrete used in pavements. <i>Construction and Building Materials</i> , 2021, 271, 121554.	7.2	23
20	Simplified analysis of fracture behaviour of a Francis hydraulic turbine runner blade. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2013, 36, 679-688.	3.4	22
21	A stress gradient approach for fretting fatigue assessment of metallic structural components. <i>International Journal of Fatigue</i> , 2017, 101, 1-8.	5.7	22
22	Contribution of date-palm fibres reinforcement to mortar fracture toughness. <i>Procedia Structural Integrity</i> , 2018, 13, 542-547.	0.8	22
23	Fracture behaviour of nanobeams through Two-Phase Local/Nonlocal Stress-Driven model. <i>Composite Structures</i> , 2022, 280, 114957.	5.8	21
24	Cracking behaviour of fibre-reinforced cementitious composites: A comparison between a continuous and a discrete computational approach. <i>Engineering Fracture Mechanics</i> , 2013, 103, 103-114.	4.3	19
25	Mean stress effect on fatigue life estimation for Inconel 718 alloy. <i>International Journal of Fatigue</i> , 2020, 133, 105391.	5.7	19
26	Mechanics of interface debonding in fibre-reinforced materials. <i>Journal of Composite Materials</i> , 2016, 50, 2699-2718.	2.4	18
27	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
28	Welded joints under multiaxial non-proportional loading. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 93, 202-210.	4.7	15
29	Size-effect independence of particleboard fracture toughness. <i>Composite Structures</i> , 2019, 229, 111374.	5.8	14
30	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
31	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
32	Probabilistic failure assessment of Fibreglass composites. <i>Composite Structures</i> , 2017, 160, 1163-1170.	5.8	11
33	Novel zinc-based alloys used to improve the corrosion protection of metallic substrates. <i>Engineering Failure Analysis</i> , 2017, 82, 327-339.	4.0	10
34	Fretting High-Cycle Fatigue Assessment through a Multiaxial Critical Plane-Based Criterion in Conjunction with the Taylor's Point Method. <i>Solid State Phenomena</i> , 0, 258, 217-220.	0.3	9
35	Novel non-linear relationship to evaluate the critical plane orientation. <i>International Journal of Fatigue</i> , 2019, 124, 537-543.	5.7	7
36	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

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37	Effects of BFRP Bar Diameter and Cover Thickness on Fracture Behavior of BFRP Bar-Reinforced Ecological High-Ductility Cementitious Composites. <i>Journal of Testing and Evaluation</i> , 2021, 49, 4086-4101.	0.7	7
38	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
39	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
40	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
41	Investigation on crack nucleation location in fretting-affected Al 7050-T7451 alloy. <i>International Journal of Fatigue</i> , 2022, 163, 107016.	5.7	6
42	Effect of non-metallic inclusions on AISI 4140 fatigue strength. <i>International Journal of Fatigue</i> , 2022, 163, 107031.	5.7	6
43	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
44	Crack path dependence on inhomogeneities of material microstructure. <i>Frattura Ed Integrita Strutturale</i> , 2012, 6, 6-16.	0.9	5
45	Micromechanical model for preferentially-oriented short-fibre-reinforced materials under cyclic loading. <i>Engineering Fracture Mechanics</i> , 2016, 167, 138-150.	4.3	5
46	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
47	Nanobeams with Internal Discontinuities: A Local/Nonlocal Approach. <i>Nanomaterials</i> , 2021, 11, 2651.	4.1	5
48	Fatigue Crack Propagation Simulating Fibre Debonding in Cyclically Loaded Composites. , 2014, 3, 357-362.		3
49	Fatigue strength of welded joints under multiaxial non-proportional loading. <i>Procedia Structural Integrity</i> , 2017, 5, 761-768.	0.8	3
50	Tension failure assessment at lug hole edges. <i>International Journal of Fatigue</i> , 2019, 121, 293-300.	5.7	3
51	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
52	Two-parameter fracture model for cortical bone. <i>Frattura Ed Integrita Strutturale</i> , 2016, 10, 215-220.	0.9	3
53	Numerical Simulation of Traditional and Technological Zinc-Based Coatings: Part I. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	3
54	Discontinuous FE approach and lattice models to describe cracking behaviour in fibre-reinforced brittle materials. <i>Procedia Engineering</i> , 2011, 10, 2098-2103.	1.2	2

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55	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
56	Influence of crack nucleation location on fretting fatigue crack path. <i>Procedia Structural Integrity</i> , 2022, 39, 632-637.	0.8	2
57	Crack path estimation in the shot-earth 772 by a discrete element method. <i>Procedia Structural Integrity</i> , 2022, 41, 260-265.	0.8	2
58	Dynamic shieldings for cultural heritage buildings under seismic action. <i>Soil Dynamics and Earthquake Engineering</i> , 2016, 89, 269-276.	3.8	1
59	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
60	The Generalised Local Model applied to Fibreglass. <i>Composite Structures</i> , 2018, 202, 1353-1360.	5.8	1
61	Investigation of Mode I fracture toughness of red Verona marble after thermal treatment. <i>Frattura Ed Integrita Strutturale</i> , 2015, 9, .	0.9	1
62	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
63	Mean stress effects on Low-Cycle Fatigue behaviour of Inconel 718 alloy. <i>MATEC Web of Conferences</i> , 2019, 300, 15004.	0.2	0
64	Effect of fibre arrangement on the multiaxial fatigue of fibrous composites: a micromechanical computational model. <i>Frattura Ed Integrita Strutturale</i> , 2015, 9, .	0.9	0
65	A Novel Damage Parameter for Fatigue Life Assessment under Non-Proportional Loading. <i>Procedia Structural Integrity</i> , 2022, 39, 460-465.	0.8	0