

# Daniela Scorza

## List of Publications by Year in descending order

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65  
papers

993  
citations

361413

20  
h-index

477307

29  
g-index

65  
all docs

65  
docs citations

65  
times ranked

621  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fracture behaviour of nanobeams through Two-Phase Local/Nonlocal Stress-Driven model. Composite Structures, 2022, 280, 114957.	5.8	21
2	Influence of crack nucleation location on fretting fatigue crack path. Procedia Structural Integrity, 2022, 39, 632-637.	0.8	2
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 on crack nucleation location in fretting-affected Al 7050-T7451 alloy. International Journal of Fatigue, 2022, 163, 107016.	5.7	6
6	Crack path estimation in the shot-earth 772 by a discrete element method. Procedia Structural Integrity, 2022, 41, 260-265.	0.8	2
7	Effect of non-metallic inclusions on AISI 4140 fatigue strength. International Journal of Fatigue, 2022, 163, 107031.	5.7	6
8	The RED criterion for fatigue life assessment of metals under non-proportional loading. International Journal of Fatigue, 2022, 163, 107080.	5.7	6
9	Fracture behaviour of hybrid fibre-reinforced roller-compacted concrete used in pavements. Construction and Building Materials, 2021, 271, 121554.	7.2	23
10	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
11	Effects of BFRP Bar Diameter and Cover Thickness on Fracture Behavior of BFRP Bar-Reinforced Ecological High-Ductility Cementitious Composites. Journal of Testing and Evaluation, 2021, 49, 4086-4101.	0.7	7
12	Nanobeams with Internal Discontinuities: A Local/Nonlocal Approach. Nanomaterials, 2021, 11, 2651.	4.1	5
13	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
14	Mean stress effect on fatigue life estimation for Inconel 718 alloy. International Journal of Fatigue, 2020, 133, 105391.	5.7	19
15	Fracture mechanics-based mixture optimization of ecological high-ductility cementitious composites modified with recycled asphalt concrete. Construction and Building Materials, 2020, 264, 120686.	7.2	5
16	Free flexural vibrations of nanobeams with non-classical boundary conditions using stress-driven nonlocal model. Mechanics Research Communications, 2020, 107, 103536.	1.8	27
17	Lifetime estimation for 316 stainless steel specimens by using a critical plane approach. Procedia Structural Integrity, 2020, 26, 106-112.	0.8	3
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Size-effect independence of particleboard fracture toughness. <i>Composite Structures</i> , 2019, 229, 111374.	5.8	14
21	Novel non-linear relationship to evaluate the critical plane orientation. <i>International Journal of Fatigue</i> , 2019, 124, 537-543.	5.7	7
22	Mean stress effects on Low-Cycle Fatigue behaviour of Inconel 718 alloy. <i>MATEC Web of Conferences</i> , 2019, 300, 15004.	0.2	0
23	Tension failure assessment at lug hole edges. <i>International Journal of Fatigue</i> , 2019, 121, 293-300.	5.7	3
24	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
25	Welded joints under multiaxial non-proportional loading. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 93, 202-210.	4.7	15
26	Contribution of date-palm fibres reinforcement to mortar fracture toughness. <i>Procedia Structural Integrity</i> , 2018, 13, 542-547.	0.8	22
27	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
28	The Generalised Local Model applied to Fibreglass. <i>Composite Structures</i> , 2018, 202, 1353-1360.	5.8	1
29	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
30	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
31	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
32	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
33	Mode I fracture toughness of fibre reinforced concrete. <i>Theoretical and Applied Fracture Mechanics</i> , 2017, 91, 66-75.	4.7	77
34	Fatigue strength of welded joints under multiaxial non-proportional loading. <i>Procedia Structural Integrity</i> , 2017, 5, 761-768.	0.8	3
35	Probabilistic failure assessment of Fibreglass composites. <i>Composite Structures</i> , 2017, 160, 1163-1170.	5.8	11
36	Modified two-parameter fracture model for bone. <i>Engineering Fracture Mechanics</i> , 2017, 174, 44-53.	4.3	34

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37	Fatigue life estimation of fillet-welded tubular T-joints subjected to multiaxial loading. International Journal of Fatigue, 2017, 101, 263-270.	5.7	24
38	Joined application of a multiaxial critical plane criterion and a strain energy density criterion in low-cycle fatigue. Frattura Ed Integrita Strutturale, 2017, 11, 66-70.	0.9	1
39	Fatigue life evaluation of metallic structures under multiaxial random loading. International Journal of Fatigue, 2016, 90, 191-199.	5.7	41
40	Dynamic shieldings for cultural heritage buildings under seismic action. Soil Dynamics and Earthquake Engineering, 2016, 89, 269-276.	3.8	1
41	Mode I fracture toughness of fibre-reinforced concrete by means of a modified version of the two-parameter model. Procedia Structural Integrity, 2016, 2, 2889-2895.	0.8	15
42	Kinetics of Intermetallic Phases and Mechanical Behavior of ZnSn3% Hot-Dip Galvanization Coatings. Advanced Engineering Materials, 2016, 18, 2088-2094.	3.5	11
43	Micromechanical model for preferentially-oriented short-fibre-reinforced materials under cyclic loading. Engineering Fracture Mechanics, 2016, 167, 138-150.	4.3	5
44	Spectral fatigue life estimation for non-proportional multiaxial random loading. Theoretical and Applied Fracture Mechanics, 2016, 83, 67-72.	4.7	34
45	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
46	Mechanics of interface debonding in fibre-reinforced materials. Journal of Composite Materials, 2016, 50, 2699-2718.	2.4	18
47	Micromechanical crack growth-based fatigue damage in fibrous composites. International Journal of Fatigue, 2016, 82, 98-109.	5.7	25
48	Two-parameter fracture model for cortical bone. Frattura Ed Integrita Strutturale, 2016, 10, 215-220.	0.9	3
49	Fracture mechanics based approach to fatigue analysis of welded joints. Engineering Failure Analysis, 2015, 49, 67-78.	4.0	43
50	Critical Plane Criterion for Fatigue Life Calculation: Time and Frequency Domain Formulations. Procedia Engineering, 2015, 101, 518-523.	1.2	23
51	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
52	Investigation of Mode I fracture toughness of red Verona marble after thermal treatment. Frattura Ed Integrita Strutturale, 2015, 9, .	0.9	1
53	Effect of fibre arrangement on the multiaxial fatigue of fibrous composites: a micromechanical computational model. Frattura Ed Integrita Strutturale, 2015, 9, .	0.9	0
54	Fatigue Crack Propagation Simulating Fibre Debonding in Cyclically Loaded Composites. , 2014, 3, 357-362.		3

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55	Fracture mechanics approach for a partially debonded cylindrical fibre. Composites Part B: Engineering, 2013, 53, 169-178.	12.0	25
56	Stress-intensity factors at the interface edge of a partially detached fibre. Theoretical and Applied Fracture Mechanics, 2013, 67-68, 1-13.	4.7	12
57	Continuous and lattice models to describe crack paths in brittle matrix composites with random and unidirectional fibres. Engineering Fracture Mechanics, 2013, 108, 170-182.	4.3	6
58	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
59	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
60	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
61	Crack path dependence on inhomogeneities of material microstructure. Frattura Ed Integrita Strutturale, 2012, 6, 6-16.	0.9	5
62	A computational approach to evaluate the mechanical influence of fibres on brittle-matrix composite materials. Computational Materials Science, 2012, 64, 212-215.	3.0	6
63	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
64	Discontinuous FE approach and lattice models to describe cracking behaviour in fibre-reinforced brittle materials. Procedia Engineering, 2011, 10, 2098-2103.	1.2	2
65	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