

Paolo Andrea Carraro

List of Publications by Year in descending order

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26
papers

859
citations

471509

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docs citations

26
times ranked

456
citing authors

#	ARTICLE	IF	CITATIONS
1	Damage initiation and evolution in glass/epoxy tubes subjected to combined tension-torsion fatigue loading. <i>International Journal of Fatigue</i> , 2014, 63, 25-35.	5.7	98
2	A damage based model for crack initiation in unidirectional composites under multiaxial cyclic loading. <i>Composites Science and Technology</i> , 2014, 99, 154-163.	7.8	78
3	Fatigue behaviour of glass/epoxy laminates in the presence of voids. <i>International Journal of Fatigue</i> , 2017, 95, 18-28.	5.7	76
4	A stiffness degradation model for cracked multidirectional laminates with cracks in multiple layers. <i>International Journal of Solids and Structures</i> , 2015, 58, 34-51.	2.7	75
5	Prediction of the crack density evolution in multidirectional laminates under fatigue loadings. <i>Composites Science and Technology</i> , 2017, 145, 24-39.	7.8	52
6	Early stage damage in off-axis plies under fatigue loading. <i>Composites Science and Technology</i> , 2016, 128, 147-154.	7.8	48
7	A review on failure theories and simulation models for adhesive joints. <i>Journal of Adhesion</i> , 2022, 98, 1855-1915.	3.0	46
8	Characterisation and analysis of transverse crack-induced delamination in cross-ply composite laminates under fatigue loadings. <i>International Journal of Fatigue</i> , 2019, 129, 105217.	5.7	43
9	An engineering formula for the stress concentration factor of orthotropic composite plates. <i>Composites Part B: Engineering</i> , 2015, 68, 51-58.	12.0	37
10	Effect of voids on the crack formation in a [45/45]s laminate under cyclic axial tension. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 91, 493-500.	7.6	35
11	Influence of load ratio on the biaxial fatigue behaviour and damage evolution in glass/epoxy tubes under tension-torsion loading. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 78, 294-302.	7.6	32
12	Delamination onset in symmetric cross-ply laminates under static loads: Theory, numerics and experiments. <i>Composite Structures</i> , 2017, 176, 420-432.	5.8	30
13	Stress distributions for blunt cracks and radiused slits in anisotropic plates under in-plane loadings. <i>International Journal of Solids and Structures</i> , 2015, 56-57, 136-141.	2.7	26
14	Modelling fibre-matrix debonding under biaxial loading. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 61, 33-42.	7.6	23
15	Electrical response of a laminate with a delamination: modelling and experiments. <i>Composites Science and Technology</i> , 2017, 143, 31-45.	7.8	23
16	Crack propagation analysis in composite bonded joints under mixed-mode (I+II) static and fatigue loading: experimental investigation and phenomenological modelling. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 1179-1196.	2.6	22
17	Stress fields at sharp angular corners in thick anisotropic composite plates. <i>Composite Structures</i> , 2014, 117, 346-353.	5.8	22
18	Health monitoring of cross-ply laminates: Modelling the correlation between damage evolution and electrical resistance change. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 82, 151-158.	7.6	16

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19	Crack propagation analysis in composite bonded joints under mixed-mode (I+II) static and fatigue loading: a damage-based model. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 1393-1406.	2.6	15
20	A damage-based model for mixed-mode crack propagation in composite laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 107, 421-431.	7.6	15
21	An efficient energy-based approach for the numerical assessment of mode I NSIFs in isotropic and orthotropic notched plates. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 108, 102612.	4.7	13
22	A comprehensive description of interfibre failure in fibre reinforced composites. <i>Theoretical and Applied Fracture Mechanics</i> , 2015, 79, 91-97.	4.7	12
23	Analytical solution for the three-dimensional stress fields in anisotropic composite bimaterial corners. <i>Composite Structures</i> , 2015, 122, 127-138.	5.8	9
24	Electrical resistance change vs damage state in cracked symmetric laminates: A closed form solution. <i>Composite Structures</i> , 2018, 184, 1081-1091.	5.8	8
25	Modelling the electrical resistance of multidirectional laminates with off-axis cracks. <i>Composite Structures</i> , 2020, 237, 111928.	5.8	5
26	Neuber fictitious notch rounding approach reformulated for orthotropic materials. <i>Engineering Fracture Mechanics</i> , 2018, 191, 441-445.	4.3	0