

# Elena Correa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7512957/publications.pdf>

Version: 2024-02-01

33  
papers

649  
citations

567281

15  
h-index

580821

25  
g-index

34  
all docs

34  
docs citations

34  
times ranked

231  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical analysis of the crack paths produced by fibre-matrix interface failure in cross-ply LFRP laminates. Composite Structures, 2022, 284, 115222.	5.8	0
2	Transverse biaxial tests on long fibre reinforced composites. Composite Structures, 2022, 297, 115868.	5.8	5
3	Modelling fibre-matrix interface debonding and matrix cracking in composite laminates. , 2021, , 243-274.		2
4	The scale effect in composites: An explanation physically based on the different mechanisms of damage involved in failure. Composite Structures, 2021, 257, 113089.	5.8	17
5	Interaction between fibres in the transverse damage in composites. Engineering Fracture Mechanics, 2020, 239, 107273.	4.3	11
6	Sequential Linear Analysis for the Prediction of the Symmetrical or Non-Symmetrical Character of the Debond Onset and Propagation Along a Fiber-Matrix Interface. Journal of Multiscale Modeling, 2019, 10, 1842004.	1.1	2
7	Microscopical observations of interface cracks from inter-fibre failure under compression in composite laminates. Composites Part A: Applied Science and Manufacturing, 2018, 110, 76-83.	7.6	14
8	BEM multiscale modelling involving micromechanical damage in fibrous composites. Engineering Analysis With Boundary Elements, 2018, 93, 1-9.	3.7	13
9	A study of the influence of a nearby fibre on the interface crack growth under transverse compression in composite materials. Engineering Fracture Mechanics, 2018, 193, 1-16.	4.3	7
10	Micromechanical study on the influence of scale effect in the first stage of damage in composites. Composites Science and Technology, 2018, 160, 1-8.	7.8	18
11	Microscopical observations of inter-fibre failure under tension. Composites Science and Technology, 2018, 155, 213-220.	7.8	18
12	A Device for Biaxial Testing in Uniaxial Machines. Design, Manufacturing and Experimental Results Using Cruciform Specimens of Composite Materials. Experimental Mechanics, 2018, 58, 49-53.	2.0	18
13	Numerical Study of the Progression of the Micromechanical Debonding Damage in Composites. Key Engineering Materials, 2018, 774, 644-649.	0.4	0
14	2.16 Micromechanics of Interfacial Damage in Composites. , 2018, , 307-341.		1
15	Design for a cruciform coupon used for tensile biaxial transverse tests on composite materials. Composites Science and Technology, 2017, 145, 138-148.	7.8	18
16	Fibre-matrix debonding in composite materials. , 2016, , 97-116.		1
17	Special Issue on Modeling of fracture and damage in composite materials. Engineering Fracture Mechanics, 2016, 168, 1.	4.3	9
18	Numerical analysis of the influence of a nearby fibre on the interface crack growth in composites under transverse tensile load. Engineering Fracture Mechanics, 2016, 168, 58-75.	4.3	28

#	ARTICLE	IF	CITATIONS
19	Effect of a secondary transverse load on the inter-fibre failure under compression. Composites Part B: Engineering, 2014, 65, 57-68.	12.0	25
20	Effect of the presence of a secondary transverse load on the inter-fibre failure under tension. Engineering Fracture Mechanics, 2013, 103, 174-189.	4.3	31
21	Effect of thermal residual stresses on the matrix failure under transverse compression at micromechanical level – A numerical and experimental study. Composites Part A: Applied Science and Manufacturing, 2012, 43, 87-94.	7.6	18
22	Effect of thermal residual stresses on matrix failure under transverse tension at micromechanical level: A numerical and experimental analysis. Composites Science and Technology, 2011, 71, 622-629.	7.8	32
23	Numerical study of the inter-fibre failure under biaxial loads. Procedia Engineering, 2011, 10, 2560-2565.	1.2	1
24	BEM analysis of inter-fibre failure under compression in composites: comparison between carbon and glass fibre systems. Plastics, Rubber and Composites, 2011, 40, 333-341.	2.0	6
25	Effects of the stress state generated during the manufacturing process of copper anodes on the moulds: Warping and cracking. Engineering Failure Analysis, 2009, 16, 309-320.	4.0	1
26	Fabrication stresses inducing cracking of a mould made of copper. Engineering Failure Analysis, 2009, 16, 358-370.	4.0	2
27	A micromechanical view of inter-fibre failure of composite materials under compression transverse to the fibres. Composites Science and Technology, 2008, 68, 2010-2021.	7.8	53
28	Numerical characterisation of the fibre–matrix interface crack growth in composites under transverse compression. Engineering Fracture Mechanics, 2008, 75, 4085-4103.	4.3	48
29	Effects of the presence of compression in transverse cyclic loading on fibre–matrix debonding in unidirectional composite plies. Composites Part A: Applied Science and Manufacturing, 2007, 38, 2260-2269.	7.6	32
30	Kinking of Transversal Interface Cracks Between Fiber and Matrix. Journal of Applied Mechanics, Transactions ASME, 2007, 74, 703-716.	2.2	114
31	Analysis of interface cracks with contact in composites by 2D BEM. WIT Transactions on State-of-the-art in Science and Engineering, 2005, , 189-248.	0.0	13
32	Micromechanical view of failure of the matrix in fibrous composite materials. Composites Science and Technology, 2003, 63, 1041-1052.	7.8	91
33	Micromechanical Bases for the Prediction of Failure of the Matrix in Fibrous Composites. , 2003, , .		0