

Norbert Blanco

List of Publications by Year in descending order

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39
papers

1,433
citations

361413

20
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

902
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of ply clustering in laminated composite plates under low-velocity impact loading. <i>Composites Science and Technology</i> , 2011, 71, 805-817.	7.8	159
2	Mixed-mode delamination growth in carbon fibre composite laminates under cyclic loading. <i>International Journal of Solids and Structures</i> , 2004, 41, 4219-4235.	2.7	126
3	A quasi-static indentation test to elucidate the sequence of damage events in low velocity impacts on composite laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 82, 180-189.	7.6	103
4	Characterization of crack propagation in mode I delamination of multidirectional CFRP laminates. <i>Composites Science and Technology</i> , 2012, 72, 1251-1256.	7.8	91
5	Damage resistance and damage tolerance of dispersed CFRP laminates: Effect of the mismatch angle between plies. <i>Composite Structures</i> , 2013, 101, 255-264.	5.8	90
6	Damage sequence in thin-ply composite laminates under out-of-plane loading. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 87, 66-77.	7.6	80
7	Internal geometric modelling of 3D woven composites: A comparison between different approaches. <i>Composite Structures</i> , 2015, 132, 1219-1230.	5.8	71
8	Damage resistance and damage tolerance of dispersed CFRP laminates: Effect of ply clustering. <i>Composite Structures</i> , 2013, 106, 96-103.	5.8	57
9	Measurement of the in situ transverse tensile strength of composite plies by means of the real time monitoring of microcracking. <i>Composites Part B: Engineering</i> , 2014, 65, 40-46.	12.0	49
10	Damage resistance and damage tolerance of dispersed CFRP laminates: Design and optimization. <i>Composite Structures</i> , 2013, 95, 569-576.	5.8	48
11	Effect of ply thickness and ply level hybridization on the compression after impact strength of thin laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 121, 232-243.	7.6	48
12	Numerical investigation to prevent crack jumping in Double Cantilever Beam tests of multidirectional composite laminates. <i>Composites Science and Technology</i> , 2011, 71, 1587-1592.	7.8	45
13	Ant Colony Optimization for dispersed laminated composite panels under biaxial loading. <i>Composite Structures</i> , 2011, 94, 31-36.	5.8	43
14	Improving damage resistance and load capacity of thin-ply laminates using ply clustering and small mismatch angles. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 117, 76-91.	7.6	41
15	Impact and compression after impact response in thin laminates of spread-tow woven and non-crimp fabrics. <i>Composite Structures</i> , 2019, 215, 432-445.	5.8	40
16	Intralaminar fracture toughness characterisation of woven composite laminates. Part I: Design and analysis of a compact tension (CT) specimen. <i>Engineering Fracture Mechanics</i> , 2014, 131, 349-360.	4.3	30
17	Side Clamped Beam (SCB) hinge system for delamination tests in beam-type composite specimens. <i>Composites Science and Technology</i> , 2011, 71, 1023-1029.	7.8	29
18	Geometric model for 3D through-thickness orthogonal interlock composites. <i>Composite Structures</i> , 2015, 119, 787-798.	5.8	29

#	ARTICLE	IF	CITATIONS
19	Intralaminar fracture toughness characterisation of woven composite laminates. Part II: Experimental characterisation. <i>Engineering Fracture Mechanics</i> , 2014, 131, 361-370.	4.3	28
20	Predictive model for the spherical indentation of composite laminates with finite thickness. <i>Composite Structures</i> , 2016, 153, 468-477.	5.8	21
21	Scaling effects of composite laminates under out-of-plane loading. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 116, 1-12.	7.6	20
22	Experimental Characterization and Analysis of the In-Plane Elastic Properties and Interlaminar Fracture Toughness of a 3D-Printed Continuous Carbon Fiber-Reinforced Composite. <i>Polymers</i> , 2022, 14, 506.	4.5	18
23	Analysis of the mixed-mode end load split delamination test. <i>Composite Structures</i> , 2006, 76, 14-20.	5.8	17
24	Maximization of the fundamental frequency of plates and cylinders. <i>Composite Structures</i> , 2016, 156, 375-384.	5.8	15
25	A progressive damage model for unidirectional fibre-reinforced composites based on fibre fragmentation. Part II: Stiffness reduction in environment sensitive fibres under fatigue. <i>Composites Science and Technology</i> , 2005, 65, 2269-2275.	7.8	14
26	Evolution of manufacturing processes for fiber-reinforced thermoset tanks, vessels, and silos: a review. <i>IIE Transactions</i> , 2012, 44, 476-489.	2.1	14
27	Damage resistance and damage tolerance of dispersed CFRP laminates: The bending stiffness effect. <i>Composite Structures</i> , 2013, 106, 30-32.	5.8	14
28	An exact solution for the determination of the mode mixture in the mixed-mode bending delamination test. <i>Composites Science and Technology</i> , 2006, 66, 1256-1258.	7.8	13
29	Numerical and experimental analysis of stresses and failure in T-bolt joints. <i>Composite Structures</i> , 2011, 93, 2636-2645.	5.8	13
30	On the experimental determination of the σ - ϵ -curve of quasi-brittle composite materials. <i>International Journal of Fracture</i> , 2020, 224, 199-215.	2.2	13
31	Quality control of CFRP by means of digital image processing and statistical point pattern analysis. <i>Composites Science and Technology</i> , 2007, 67, 2438-2446.	7.8	11
32	Mechanical hinge system for delamination tests in beam-type composite specimens. <i>Composites Science and Technology</i> , 2008, 68, 1837-1842.	7.8	11
33	Numerical implementation and experimental validation of a through-the-thickness temperature model for non-isothermal vacuum bagging infusion. <i>Journal of Reinforced Plastics and Composites</i> , 2011, 30, 1557-1570.	3.1	10
34	Two-pheromone Ant Colony Optimization to design dispersed laminates for aeronautical structural applications. <i>Advances in Engineering Software</i> , 2013, 66, 10-18.	3.8	6
35	A Strategy to Support Design Processes for Fibre Reinforced Thermoset Composite Materials. <i>Applied Composite Materials</i> , 2012, 19, 297-314.	2.5	5
36	Numerical modeling of matrix cracking and intralaminar failure in advanced composite materials. , 2015, , 175-192.		4

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37	Enhancing process performance for composite padel racket manufacture using Six Sigma-DMAIC and VSM synergetic support. Cogent Engineering, 2022, 9, .	2.2	3
38	Impact of the Fibre Bed on Resin Viscosity in Liquid Composite Moulding Simulations. Applied Composite Materials, 2012, 19, 669-688.	2.5	2
39	Transition time threshold for Double Cantilever Beam specimens under high loading rates. Engineering Fracture Mechanics, 2021, 249, 107754.	4.3	2