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	Experimental Characterization and Analysis of the In-Plane Elastic Properties and Interlaminar Fracture Toughness of a 3D-Printed Continuous Carbon Fiber-Reinforced Composite. Polymers, 2022, 14, 506.	4.5	18
2	Enhancing process performance for composite padel racket manufacture using Six Sigma-DMAIC and VSM synergetic support. Cogent Engineering, 2022, 9, .	2.2	3
3	Transition time threshold for Double Cantilever Beam specimens under high loading rates. Engineering Fracture Mechanics, 2021, 249, 107754.	4.3	2
4	On the experimental determination of the $$mathcal {J}$$-curve of quasi-brittle composite materials. International Journal of Fracture, 2020, 224, 199-215.	2.2	13
5	Effect of ply thickness and ply level hybridization on the compression after impact strength of thin laminates. Composites Part A: Applied Science and Manufacturing, 2019, 121, 232-243.	7.6	48
6	Impact and compression after impact response in thin laminates of spread-tow woven and non-crimp fabrics. Composite Structures, 2019, 215, 432-445.	5.8	40
7	Improving damage resistance and load capacity of thin-ply laminates using ply clustering and small mismatch angles. Composites Part A: Applied Science and Manufacturing, 2019, 117, 76-91.	7.6	41
8	Scaling effects of composite laminates under out-of-plane loading. Composites Part A: Applied Science and Manufacturing, 2019, 116, 1-12.	7.6	20
9	Damage sequence in thin-ply composite laminates under out-of-plane loading. Composites Part A: Applied Science and Manufacturing, 2016, 87, 66-77.	7.6	80
10	Predictive model for the spherical indentation of composite laminates with finite thickness. Composite Structures, 2016, 153, 468-477.	5.8	21
11	A quasi-static indentation test to elucidate the sequence of damage events in low velocity impacts on composite laminates. Composites Part A: Applied Science and Manufacturing, 2016, 82, 180-189.	7.6	103
12	Maximization of the fundamental frequency of plates and cylinders. Composite Structures, 2016, 156, 375-384.	5.8	15
13	Numerical modeling of matrix cracking and intralaminar failure in advanced composite materials. , 2015, , 175-192.		4
14	Geometric model for 3D through-thickness orthogonal interlock composites. Composite Structures, 2015, 119, 787-798.	5.8	29
15	Internal geometric modelling of 3D woven composites: A comparison between different approaches. Composite Structures, 2015, 132, 1219-1230.	5.8	71
16	Intralaminar fracture toughness characterisation of woven composite laminates. Part I: Design and analysis of a compact tension (CT) specimen. Engineering Fracture Mechanics, 2014, 131, 349-360.	4.3	30
17	Intralaminar fracture toughness characterisation of woven composite laminates. Part II: Experimental characterisation. Engineering Fracture Mechanics, 2014, 131, 361-370.	4.3	28
18	Measurement of the in situ transverse tensile strength of composite plies by means of the real time monitoring of microcracking. Composites Part B: Engineering, 2014, 65, 40-46.	12.0	49

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19	Damage resistance and damage tolerance of dispersed CFRP laminates: The bending stiffness effect. Composite Structures, 2013, 106, 30-32.	5.8	14
20	Damage resistance and damage tolerance of dispersed CFRP laminates: Effect of the mismatch angle between plies. Composite Structures, 2013, 101, 255-264.	5.8	90
21	Two-pheromone Ant Colony Optimization to design dispersed laminates for aeronautical structural applications. Advances in Engineering Software, 2013, 66, 10-18.	3.8	6
22	Damage resistance and damage tolerance of dispersed CFRP laminates: Design and optimization. Composite Structures, 2013, 95, 569-576.	5.8	48
23	Damage resistance and damage tolerance of dispersed CFRP laminates: Effect of ply clustering. Composite Structures, 2013, 106, 96-103.	5.8	57
24	Evolution of manufacturing processes for fiber-reinforced thermoset tanks, vessels, and silos: a review. IIE Transactions, 2012, 44, 476-489.	2.1	14
25	Characterization of crack propagation in mode I delamination of multidirectional CFRP laminates. Composites Science and Technology, 2012, 72, 1251-1256.	7.8	91
26	A Strategy to Support Design Processes for Fibre Reinforced Thermoset Composite Materials. Applied Composite Materials, 2012, 19, 297-314.	2.5	5
27	Impact of the Fibre Bed on Resin Viscosity in Liquid Composite Moulding Simulations. Applied Composite Materials, 2012, 19, 669-688.	2.5	2
28	Numerical investigation to prevent crack jumping in Double Cantilever Beam tests of multidirectional composite laminates. Composites Science and Technology, 2011, 71, 1587-1592.	7.8	45
29	Ant Colony Optimization for dispersed laminated composite panels under biaxial loading. Composite Structures, 2011, 94, 31-36.	5.8	43
30	Side Clamped Beam (SCB) hinge system for delamination tests in beam-type composite specimens. Composites Science and Technology, 2011, 71, 1023-1029.	7.8	29
31	Effects of ply clustering in laminated composite plates under low-velocity impact loading. Composites Science and Technology, 2011, 71, 805-817.	7.8	159
32	Numerical and experimental analysis of stresses and failure in T-bolt joints. Composite Structures, 2011, 93, 2636-2645.	5.8	13
33	Numerical implementation and experimental validation of a through-the-thickness temperature model for non-isothermal vacuum bagging infusion. Journal of Reinforced Plastics and Composites, 2011, 30, 1557-1570.	3.1	10
34	Mechanical hinge system for delamination tests in beam-type composite specimens. Composites Science and Technology, 2008, 68, 1837-1842.	7.8	11
35	Quality control of CFRP by means of digital image processing and statistical point pattern analysis. Composites Science and Technology, 2007, 67, 2438-2446.	7.8	11
36	An exact solution for the determination of the mode mixture in the mixed-mode bending delamination test. Composites Science and Technology, 2006, 66, 1256-1258.	7.8	13

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37	Analysis of the mixed-mode end load split delamination test. Composite Structures, 2006, 76, 14-20.	5.8	17
38	A progressive damage model for unidirectional fibre-reinforced composites based on fibre fragmentation. Part II: Stiffness reduction in environment sensitive fibres under fatigue. Composites Science and Technology, 2005, 65, 2269-2275.	7.8	14
39	Mixed-mode delamination growth in carbonâ€“fibre composite laminates under cyclic loading. International Journal of Solids and Structures, 2004, 41, 4219-4235.	2.7	126