

Nicholas A Warrior

List of Publications by Year in descending order

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56
papers

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257357

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1369
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural optimisation of random discontinuous fibre composites: Part 2 – Case study. Composites Part A: Applied Science and Manufacturing, 2015, 68, 417-424.	3.8	6
2	Structural optimisation of random discontinuous fibre composites: Part 1 – Methodology. Composites Part A: Applied Science and Manufacturing, 2015, 68, 406-416.	3.8	7
3	Formability optimisation of fabric preforms by controlling material draw-in through in-plane constraints. Composites Part A: Applied Science and Manufacturing, 2015, 76, 10-19.	3.8	64
4	Inter-ply stitching optimisation of highly drapeable multi-ply preforms. Composites Part A: Applied Science and Manufacturing, 2015, 71, 144-156.	3.8	27
5	Heterogeneity of discontinuous carbon fibre composites: Damage initiation captured by Digital Image Correlation. Composites Part A: Applied Science and Manufacturing, 2015, 68, 304-312.	3.8	40
6	The experimental determination of prepreg tack and dynamic stiffness. Composites Part A: Applied Science and Manufacturing, 2012, 43, 423-434.	3.8	48
7	Establishing size effects in discontinuous fibre composites using 2D finite element analysis. Computational Materials Science, 2012, 64, 106-111.	1.4	7
8	Representative volume elements for discontinuous carbon fibre composites – Part 2: Determining the critical size. Composites Science and Technology, 2012, 72, 204-210.	3.8	69
9	Representative volume elements for discontinuous carbon fibre composites – Part 1: Boundary conditions. Composites Science and Technology, 2012, 72, 225-234.	3.8	95
10	Notched behaviour of discontinuous carbon fibre composites: Comparison with quasi-isotropic non-crimp fabric. Composites Part A: Applied Science and Manufacturing, 2011, 42, 293-302.	3.8	45
11	A unit cell for FE analysis of materials with the microstructure of a staggered pattern. Composites Part A: Applied Science and Manufacturing, 2011, 42, 801-811.	3.8	52
12	A cost and performance comparison of LRTM and VI for the manufacture of large scale wind turbine blades. Renewable Energy, 2011, 36, 866-871.	4.3	22
13	Experimental determination and control of prepreg tack for automated manufacture. Plastics, Rubber and Composites, 2011, 40, 363-368.	0.9	21
14	Energy Absorption Performance of Meso-Scale Discontinuous Carbon Fibre Composites. International Journal of Vehicle Structures and Systems, 2011, 3, .	0.1	1
15	Three-dimensional numerical modelling of discontinuous fibre composite architectures. Plastics, Rubber and Composites, 2011, 40, 356-362.	0.9	4
16	Virtual modelling of microscopic damage in polymer composite materials at high rates of strain. Plastics, Rubber and Composites, 2011, 40, 324-332.	0.9	3
17	The static and high strain rate behaviour of a commingled E-glass/polypropylene woven fabric composite. Composites Science and Technology, 2010, 70, 272-283.	3.8	102
18	Effects of interphase material properties in unidirectional fibre reinforced composites. Composites Science and Technology, 2010, 70, 36-44.	3.8	80

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19	Development of high value moulding compounds from recycled carbon fibres. <i>Plastics, Rubber and Composites</i> , 2010, 39, 151-156.	0.9	27
20	Predictive Modeling of the Impact Response of Thermoplastic Composite Sandwich Structures. <i>Journal of Sandwich Structures and Materials</i> , 2010, 12, 449-476.	2.0	9
21	Net shape spray deposition for compression moulding of discontinuous fibre composites for high performance applications. <i>Plastics, Rubber and Composites</i> , 2010, 39, 216-231.	0.9	21
22	Decomposition of Epoxy Resin in Supercritical Isopropanol. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 4535-4541.	1.8	53
23	Fiber Alignment in Directed Carbon Fiber Preforms - Mechanical Property Prediction. <i>Journal of Composite Materials</i> , 2010, 44, 931-951.	1.2	16
24	Fiber Alignment in Directed Carbon Fiber Preforms – A Feasibility Study. <i>Journal of Composite Materials</i> , 2009, 43, 57-74.	1.2	30
25	Characterizing the strain rate sensitivity of the tensile mechanical properties of a thermoplastic composite. <i>Jom</i> , 2009, 61, 43-46.	0.9	8
26	Characterisation of carbon fibres recycled from carbon fibre/epoxy resin composites using supercritical n-propanol. <i>Composites Science and Technology</i> , 2009, 69, 192-198.	3.8	205
27	Evaluation of concrete mixes and mineral additions when used with controlled permeable formwork (CPF). <i>Construction and Building Materials</i> , 2008, 22, 1536-1542.	3.2	11
28	An Investigation into the critical factors affecting the performance of composite controlled permeable formwork liners: Part I – Drainage medium. <i>Construction and Building Materials</i> , 2008, 22, 1551-1559.	3.2	15
29	An investigation into factors affecting the performance of composite controlled permeable formwork liners: Part II – Filter medium. <i>Construction and Building Materials</i> , 2008, 22, 2235-2249.	3.2	9
30	Effects of boundary conditions on the energy absorption of thin-walled polymer composite tubes under axial crushing. <i>Thin-Walled Structures</i> , 2008, 46, 905-913.	2.7	22
31	Random discontinuous carbon fibre preforms: Permeability modelling and resin injection simulation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008, 39, 1660-1669.	3.8	13
32	Finite element investigations on the microstructure of fibre-reinforced composites. <i>EXPRESS Polymer Letters</i> , 2008, 2, 665-676.	1.1	30
33	Surface quality prediction of thermoset composite structures using geometric simulation tools. <i>Plastics, Rubber and Composites</i> , 2007, 36, 428-437.	0.9	13
34	Characterisation of random carbon fibre composites from a directed fibre preforming process: The effect of tow filamentisation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007, 38, 755-770.	3.8	45
35	Characterisation of thermoset laminates for cosmetic automotive applications: Part II – Cure and residual volatile assessment. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 1747-1756.	3.8	10
36	Characterisation of thermoset laminates for cosmetic automotive applications: Part I – Surface characterisation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 1734-1746.	3.8	28

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37	Characterisation of thermoset laminates for cosmetic automotive applications: Part III – Shrinkage control via nanoscale reinforcement. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1757-1772.	3.8	34
38	Characterisation of random carbon fibre composites from a directed fibre preforming process: Analysis of microstructural parameters. Composites Part A: Applied Science and Manufacturing, 2006, 37, 2136-2147.	3.8	49
39	Characterisation of random carbon fibre composites from a directed fibre preforming process: The effect of fibre length. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1863-1878.	3.8	49
40	A micromechanical study of residual stress and its effect on transverse failure in polymer–matrix composites. International Journal of Solids and Structures, 2006, 43, 5449-5467.	1.3	106
41	Finite element modelling of damage progression in non-crimp fabric reinforced composites. Composites Science and Technology, 2006, 66, 36-50.	3.8	41
42	Property Variation Within the Thin-Walled Magnesium Alloy Components. , 2006, , .		0
43	The influence of processing variables on the energy absorption of composite tubes. Composites Part A: Applied Science and Manufacturing, 2005, 36, 1291-1299.	3.8	13
44	The effect of interlaminar toughening strategies on the energy absorption of composite tubes. Composites Part A: Applied Science and Manufacturing, 2004, 35, 431-437.	3.8	46
45	Mixed-Mode Delamination - Experimental and Numerical Studies. Strain, 2003, 39, 153-159.	1.4	19
46	Effect of resin properties and processing parameters on crash energy absorbing composite structures made by RTM. Composites Part A: Applied Science and Manufacturing, 2003, 34, 543-550.	3.8	44
47	Impact properties of compression moulded commingled E-glass–polypropylene composites. Plastics, Rubber and Composites, 2002, 31, 270-277.	0.9	14
48	Effect of resin formulation on crash energy absorbing composite structures made by RTM. Plastics, Rubber and Composites, 2002, 31, 49-57.	0.9	9
49	Elastic–plastic material model for finite element analysis of crashworthy composites. Plastics, Rubber and Composites, 2002, 31, 262-269.	0.9	4
50	Impact Test Rigs for High Strain Rate Tensile and Compressive Testing of Composite Materials. Strain, 2002, 38, 69-73.	1.4	16
51	Assembly stresses in taper-locking shaft couplings Part 1: Photoelastic work. Journal of Strain Analysis for Engineering Design, 2001, 36, 25-34.	1.0	3
52	Stress intensity factors for circumferential cracks in pressure vessel door closures. International Journal of Pressure Vessels and Piping, 1999, 76, 1-12.	1.2	2
53	An improved method for the determination of photoelastic stress intensity factors using the westergaard stress function. International Journal of Mechanical Sciences, 1990, 32, 265-273.	3.6	22
54	The Potential for Fibre Alignment in the Manufacture of Polymer Composites from Recycled Carbon Fibre. SAE International Journal of Aerospace, 0, 2, 225-231.	4.0	23

#	ARTICLE	IF	CITATIONS
55	Thermal and Morphological Properties of Chitosan Filled Epoxy. Applied Mechanics and Materials, 0, 627, 12-17.	0.2	1
56	Mechanical Properties of DGEBA/Amidoamine Blend at Non-Stoichiometric Ratios. Applied Mechanics and Materials, 0, 597, 63-71.	0.2	0