

Nicholas A Warrior

List of Publications by Year in descending order

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56
papers

1,753
citations

257357

24
h-index

289141

40
g-index

56
all docs

56
docs citations

56
times ranked

1369
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A micromechanical study of residual stress and its effect on transverse failure in polymer matrix composites. <i>International Journal of Solids and Structures</i> , 2006, 43, 5449-5467.	1.3	106
3	The static and high strain rate behaviour of a commingled E-glass/polypropylene woven fabric composite. <i>Composites Science and Technology</i> , 2010, 70, 272-283.	3.8	102
4	Representative volume elements for discontinuous carbon fibre composites Part 1: Boundary conditions. <i>Composites Science and Technology</i> , 2012, 72, 225-234.	3.8	95
5	Effects of interphase material properties in unidirectional fibre reinforced composites. <i>Composites Science and Technology</i> , 2010, 70, 36-44.	3.8	80
6	Representative volume elements for discontinuous carbon fibre composites Part 2: Determining the critical size. <i>Composites Science and Technology</i> , 2012, 72, 204-210.	3.8	69
7	Formability optimisation of fabric preforms by controlling material draw-in through in-plane constraints. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 76, 10-19.	3.8	64
8	Decomposition of Epoxy Resin in Supercritical Isopropanol. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 4535-4541.	1.8	53
9	A unit cell for FE analysis of materials with the microstructure of a staggered pattern. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011, 42, 801-811.	3.8	52
10	Characterisation of random carbon fibre composites from a directed fibre preforming process: Analysis of microstructural parameters. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 2136-2147.	3.8	49
11	Characterisation of random carbon fibre composites from a directed fibre preforming process: The effect of fibre length. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 1863-1878.	3.8	49
12	The experimental determination of prepreg tack and dynamic stiffness. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 423-434.	3.8	48
13	The effect of interlaminar toughening strategies on the energy absorption of composite tubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2004, 35, 431-437.	3.8	46
14	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
15	Notched behaviour of discontinuous carbon fibre composites: Comparison with quasi-isotropic non-crimp fabric. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011, 42, 293-302.	3.8	45
16	Effect of resin properties and processing parameters on crash energy absorbing composite structures made by RTM. <i>Composites Part A: Applied Science and Manufacturing</i> , 2003, 34, 543-550.	3.8	44
17	Finite element modelling of damage progression in non-crimp fabric reinforced composites. <i>Composites Science and Technology</i> , 2006, 66, 36-50.	3.8	41
18	Heterogeneity of discontinuous carbon fibre composites: Damage initiation captured by Digital Image Correlation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 68, 304-312.	3.8	40

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19	Characterisation of thermoset laminates for cosmetic automotive applications: Part III – Shrinkage control via nanoscale reinforcement. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 1757-1772.	3.8	34
20	Finite element investigations on the microstructure of fibre-reinforced composites. <i>EXPRESS Polymer Letters</i> , 2008, 2, 665-676.	1.1	30
21	Fiber Alignment in Directed Carbon Fiber Preforms – A Feasibility Study. <i>Journal of Composite Materials</i> , 2009, 43, 57-74.	1.2	30
22	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
23	Development of high value moulding compounds from recycled carbon fibres. <i>Plastics, Rubber and Composites</i> , 2010, 39, 151-156.	0.9	27
24	Inter-ply stitching optimisation of highly drapeable multi-ply preforms. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 71, 144-156.	3.8	27
25	The Potential for Fibre Alignment in the Manufacture of Polymer Composites from Recycled Carbon Fibre. <i>SAE International Journal of Aerospace</i> , 0, 2, 225-231.	4.0	23
26	An improved method for the determination of photoelastic stress intensity factors using the westergaard stress function. <i>International Journal of Mechanical Sciences</i> , 1990, 32, 265-273.	3.6	22
27	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
28	A cost and performance comparison of LRTM and VI for the manufacture of large scale wind turbine blades. <i>Renewable Energy</i> , 2011, 36, 866-871.	4.3	22
29	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
30	Experimental determination and control of prepreg tack for automated manufacture. <i>Plastics, Rubber and Composites</i> , 2011, 40, 363-368.	0.9	21
31	Mixed-Mode Delamination - Experimental and Numerical Studies. <i>Strain</i> , 2003, 39, 153-159.	1.4	19
32	Impact Test Rigs for High Strain Rate Tensile and Compressive Testing of Composite Materials. <i>Strain</i> , 2002, 38, 69-73.	1.4	16
33	Fiber Alignment in Directed Carbon Fiber Preforms - Mechanical Property Prediction. <i>Journal of Composite Materials</i> , 2010, 44, 931-951.	1.2	16
34	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
35	Impact properties of compression moulded commingled E-glass/polypropylene composites. <i>Plastics, Rubber and Composites</i> , 2002, 31, 270-277.	0.9	14
36	The influence of processing variables on the energy absorption of composite tubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2005, 36, 1291-1299.	3.8	13

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37	Surface quality prediction of thermoset composite structures using geometric simulation tools. <i>Plastics, Rubber and Composites</i> , 2007, 36, 428-437.	0.9	13
38	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
39	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
40	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
41	Effect of resin formulation on crash energy absorbing composite structures made by RTM. <i>Plastics, Rubber and Composites</i> , 2002, 31, 49-57.	0.9	9
42	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
43	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
44	Characterizing the strain rate sensitivity of the tensile mechanical properties of a thermoplastic composite. <i>Jom</i> , 2009, 61, 43-46.	0.9	8
45	Establishing size effects in discontinuous fibre composites using 2D finite element analysis. <i>Computational Materials Science</i> , 2012, 64, 106-111.	1.4	7
46	Structural optimisation of random discontinuous fibre composites: Part 1 "Methodology. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 68, 406-416.	3.8	7
47	Structural optimisation of random discontinuous fibre composites: Part 2 "Case study. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 68, 417-424.	3.8	6
48	Elastic"plastic material model for finite element analysis of crashworthy composites. <i>Plastics, Rubber and Composites</i> , 2002, 31, 262-269.	0.9	4
49	Three-dimensional numerical modelling of discontinuous fibre composite architectures. <i>Plastics, Rubber and Composites</i> , 2011, 40, 356-362.	0.9	4
50	Assembly stresses in taper-locking shaft couplings Part 1: Photoelastic work. <i>Journal of Strain Analysis for Engineering Design</i> , 2001, 36, 25-34.	1.0	3
51	Virtual modelling of microscopic damage in polymer composite materials at high rates of strain. <i>Plastics, Rubber and Composites</i> , 2011, 40, 324-332.	0.9	3
52	Stress intensity factors for circumferential cracks in pressure vessel door closures. <i>International Journal of Pressure Vessels and Piping</i> , 1999, 76, 1-12.	1.2	2
53	Energy Absorption Performance of Meso-Scale Discontinuous Carbon Fibre Composites. <i>International Journal of Vehicle Structures and Systems</i> , 2011, 3, .	0.1	1
54	Thermal and Morphological Properties of Chitosan Filled Epoxy. <i>Applied Mechanics and Materials</i> , 0, 627, 12-17.	0.2	1

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55	Mechanical Properties of DGEBA/Amidoamine Blend at Non-Stoichiometric Ratios. Applied Mechanics and Materials, 0, 597, 63-71.	0.2	0
56	Property Variation Within the Thin-Walled Magnesium Alloy Components. , 2006, , .		0