Andrew C Long

List of Publications by Year
in descending order

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42 papers	1,208 citations	471061 17 h-index	414034 32 g-index
43 all docs	43 docs citations	43 times ranked	860 citing authors

#	Article	IF	Citations
1	Contributions of Stepan V Lomov to the research and development of composite materials. Journal of Composite Materials, 2020, 54, 4723-4747.	1.2	1
2	Effect of fibre architecture on tensile pull-off behaviour of 3D woven composite T-joints. Composite Structures, 2020, 242, 112194.	3.1	13
3	A novel criterion for the prediction of meso-scale defects in textile preforming. Composite Structures, 2019, 226, 111263.	3.1	6
4	Meso-scale modelling of 3D woven composite T-joints with weave variations. Composites Science and Technology, 2019, 171, 171-179.	3.8	37
5	Influence of the micro-structure on saturated transverse flow in fibre arrays. Journal of Composite Materials, 2018, 52, 2463-2475.	1.2	8
6	Geometric modeling of 3D woven preforms in composite T-joints. Textile Reseach Journal, 2018, 88, 1862-1875.	1.1	15
7	Novel textile preforming for optimised fibre architectures. IOP Conference Series: Materials Science and Engineering, 2018, 406, 012050.	0.3	1
8	Experimental assessment of the mechanical behaviour of 3D woven composite T-joints. Composites Part B: Engineering, 2018, 154, 108-113.	5.9	33
9	Through-thickness permeability of woven fabric under increasing air pressure: Theoretical framework and simulation. Textile Reseach Journal, 2017, 87, 1631-1642.	1.1	8
10	Multi-scale modelling of strongly heterogeneous 3D composite structures using spatial Voronoi tessellation. Journal of the Mechanics and Physics of Solids, 2016, 88, 50-71.	2.3	57
11	Large Deformation Modelling of Tight Woven Fabric under High Air Pressure. Journal of Engineered Fibers and Fabrics, 2015, 10, 155892501501000.	0.5	1
12	Through-thickness permeability study of orthogonal and angle-interlock woven fabrics. Journal of Materials Science, 2015, 50, 1257-1266.	1.7	18
13	Through-thickness air permeability of woven fabric under low pressure compression. Textile Reseach Journal, 2015, 85, 1732-1742.	1.1	16
14	Numerical prediction of in-plane permeability for multilayer woven fabrics with manufacture-induced deformation. Composites Part A: Applied Science and Manufacturing, 2015, 77, 266-274.	3.8	51
15	A solution for transverse thermal conductivity of composites with quadratic or hexagonal unidirectional fibres. Science and Engineering of Composite Materials, 2014, 21, 99-109.	0.6	2
16	Geometrical modelling of 3D woven reinforcements for polymer composites: Prediction of fabric permeability and composite mechanical properties. Composites Part A: Applied Science and Manufacturing, 2014, 56, 150-160.	3.8	99
17	Through-thickness permeability modelling of woven fabric under out-of-plane deformation. Journal of Materials Science, 2014, 49, 7563-7574.	1.7	15
18	Influence of Hydroxyethyl Cellulose Treatment on the Mechanical Properties of Jute Fibres, Yarns, and Composites. Conference Papers in Materials Science, 2013, 2013, 1-6.	0.1	1

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19	An analytical model for through-thickness permeability of woven fabric. Textile Reseach Journal, 2012, 82, 492-501.	1.1	24
20	A finite element approach to the modelling of fabric mechanics and its application to virtual fabric design and testing. Journal of the Textile Institute, 2012, 103, 1063-1076.	1.0	14
21	Experimental study of dynamic air permeability for woven fabrics. Textile Reseach Journal, 2012, 82, 920-930.	1.1	23
22	Prediction of textile geometry using an energy minimization approach. Journal of Industrial Textiles, 2012, 41, 345-369.	1.1	12
23	Automated geometric modelling of textile structures. Textile Reseach Journal, 2012, 82, 1689-1702.	1.1	83
24	Mapping of the fluid distribution in impregnated reinforcement textiles using Magnetic Resonance Imaging: Methods and issues. Composites Part A: Applied Science and Manufacturing, 2011, 42, 265-273.	3.8	6
25	Mapping of the fluid distribution in impregnated reinforcement textiles using Magnetic Resonance Imaging: Application and discussion. Composites Part A: Applied Science and Manufacturing, 2011, 42, 1369-1379.	3.8	7
26	Rate dependent modelling of the forming behaviour of viscous textile composites. Composites Part A: Applied Science and Manufacturing, 2011, 42, 1719-1726.	3.8	49
27	Experimental measurement and predictive modelling of bending behaviour for viscous unidirectional composite materials. International Journal of Material Forming, 2010, 3, 1253-1266.	0.9	17
28	3D mathematical modelling for robotic pick up of textile composites. Composites Part B: Engineering, 2009, 40, 705-713.	5.9	15
29	Analysis of pressure profile and flow progression in the vacuum infusion process. Composites Science and Technology, 2009, 69, 1458-1464.	3.8	27
30	Finite element modelling of fabric shear. Modelling and Simulation in Materials Science and Engineering, 2009, 17, 015008.	0.8	54
31	Transmission of ultraviolet light through reinforcement fabrics and its effect on ultraviolet curing of composite laminates. Polymer Composites, 2008, 29, 818-829.	2.3	28
32	Finite element modelling of fabric compression. Modelling and Simulation in Materials Science and Engineering, 2008, 16, 035010.	0.8	72
33	Normalisation Of Shear Test Data for Rate-Independent Compressible Fabrics. AIP Conference Proceedings, 2007, , .	0.3	7
34	Predictive FE Modelling of Prepreg Forming to Determine Optimum Processing Conditions. AIP Conference Proceedings, 2007, , .	0.3	3
35	Energy Analysis of Reinforcement Deformations during Viscous Textile Composite Forming. AIP Conference Proceedings, 2007, , .	0.3	6
36	Active control of the vacuum infusion process. Composites Part A: Applied Science and Manufacturing, 2007, 38, 1271-1287.	3.8	53

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37	Composites Forming. , 2007, , 61-79.		10
38	Influence of stochastic fibre angle variations on the permeability of bi-directional textile fabrics. Composites Part A: Applied Science and Manufacturing, 2006, 37, 122-132.	3.8	37
39	Influence of stochastic variations in the fibre spacing on the permeability of bi-directional textile fabrics. Composites Part A: Applied Science and Manufacturing, 2006, 37, 679-694.	3.8	53
40	A predictive approach to simulating the forming of viscous textile composite sheet. Revue Europeenne Des Elements, 2005, 14, 613-631.	0.1	1
41	Finite element forming simulation for non-crimp fabrics using a non-orthogonal constitutive equation. Composites Part A: Applied Science and Manufacturing, 2005, 36, 1079-1093.	3.8	103
42	Modelling and Simulating Textile Structures Using TexGen. Advanced Materials Research, 0, 331, 44-47.	0.3	119