

# Louise Brown

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/714604/publications.pdf>

Version: 2024-02-01

12  
papers

367  
citations

1306789

7  
h-index

1473754

9  
g-index

12  
all docs

12  
docs citations

12  
times ranked

378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling and Simulating Textile Structures Using TexGen. <i>Advanced Materials Research</i> , 0, 331, 44-47.	0.3	119
2	Geometrical modelling of 3D woven reinforcements for polymer composites: Prediction of fabric permeability and composite mechanical properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 56, 150-160.	3.8	99
3	Numerical prediction of in-plane permeability for multilayer woven fabrics with manufacture-induced deformation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 77, 266-274.	3.8	51
4	Multi-scale wave propagation modelling for two-dimensional periodic textile composites. <i>Composites Part B: Engineering</i> , 2018, 150, 144-156.	5.9	40
5	Geometric modeling of 3D woven preforms in composite T-joints. <i>Textile Research Journal</i> , 2018, 88, 1862-1875.	1.1	15
6	Prediction of textile geometry using an energy minimization approach. <i>Journal of Industrial Textiles</i> , 2012, 41, 345-369.	1.1	12
7	Effects of layer shift and yarn path variability on mechanical properties of a twill weave composite. <i>Journal of Composite Materials</i> , 2017, 51, 913-925.	1.2	11
8	Stochastic reconstruction of filament paths in fibre bundles based on two-dimensional input data. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 76, 262-271.	3.8	9
9	Analytical method using gamma functions for determining areas of power elliptical shapes for use in geometrical textile models. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 81, 222-224.	3.8	7
10	Quantification of mesoscale variability and geometrical reconstruction of a textile. <i>Journal of Composite Materials</i> , 2016, 50, 3255-3266.	1.2	4
11	Impact of the mesoscale structure of periodic textile composites on wave propagation. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
12	Weft Yarn Interlacement Modelling for 3D Profiled Structures. <i>Applied Composite Materials</i> , 2022, 29, 219-227.	1.3	0