

# Danmei Sun

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47  
papers

779  
citations

15  
h-index

27  
g-index

51  
ext. papers

936  
ext. citations

2.5  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
47	Ecological application of natural biomaterial on natural fibres. <i>Cleaner Materials</i> , <b>2022</b> , 3, 100038		0
46	Sustainable plant-based bioactive materials for functional printed textiles. <i>Journal of the Textile Institute</i> , <b>2021</b> , 112, 1324-1358	1.5	10
45	Thermal analysis of temperature responsive fibrous materials <b>2020</b> , 335-353		
44	Spouted-Bed Gasification of Flame Retardant Textiles as a Potential Non-Conventional Biomass. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 946	2.6	6
43	Investigating flexible textile-based coils for wireless charging wearable electronics. <i>Journal of Industrial Textiles</i> , <b>2020</b> , 50, 333-345	1.6	11
42	Investigation of composite fabric impregnated with non-Newtonian fluid for protective textiles. <i>Journal of Composite Materials</i> , <b>2020</b> , 54, 1013-1021	2.7	3
41	Propelling textile waste to ascend the ladder of sustainability: EOL study on probing environmental parity in technical textiles. <i>Journal of Cleaner Production</i> , <b>2019</b> , 233, 1451-1464	10.3	26
40	Design of a wireless power transfer system for assisted living applications. <i>Wireless Power Transfer</i> , <b>2019</b> , 6, 41-56	0.9	3
39	3D Printing in Modern Fashion Industry <b>2019</b> , 2,		3
38	Specialty testing techniques for smart textiles <b>2019</b> , 99-116		2
37	Phase change materials, their synthesis and application in textiles—review. <i>Journal of the Textile Institute</i> , <b>2019</b> , 110, 625-638	1.5	43
36	Development of Experimental Setup for Measuring the Thermal Conductivity of Textiles. <i>Clothing and Textiles Research Journal</i> , <b>2018</b> , 36, 215-230	0.7	5
35	Synthesis of nanoencapsulated Glauber salt using PMMA shell and its application on cotton for thermoregulating effect. <i>Cellulose</i> , <b>2018</b> , 25, 2103-2113	5.5	18
34	Thermal analysis of conventional and performance plain woven fabrics by finite element method. <i>Journal of Industrial Textiles</i> , <b>2018</b> , 48, 685-712	1.6	11
33	Geometrical modelling and thermal analysis of nonwoven fabrics. <i>Journal of Industrial Textiles</i> , <b>2018</b> , 48, 405-431	1.6	3
32	Fabric handle as a concept for high-performance apparel <b>2018</b> , 307-323		2
31	Optimization of Mechanical and Thermal Properties of iPP and LMPP Blend Fibres by Surface Response Methodology. <i>Polymers</i> , <b>2018</b> , 10,	4.5	9

30	Ballistic performance of angle-interlock woven fabrics. <i>Journal of the Textile Institute</i> , <b>2017</b> , 108, 586-596.	6.5	18
29	Development of plug-ins to predict effective thermal conductivity of woven and microencapsulated phase change composite. <i>Journal of Composite Materials</i> , <b>2017</b> , 51, 733-743	2.7	2
28	Conjugate heat transfer analysis of knitted fabric. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2017</b> , 129, 209-219	4.1	4
27	Synthesis of functional nanocapsules and their application to cotton fabric for thermal management. <i>Cellulose</i> , <b>2017</b> , 24, 3525-3543	5.5	8
26	Investigation into Abrasion Resistance of Dyed Fabrics Made of Recycled and Standard Cotton Fibres. <i>Journal of Textile Engineering &amp; Fashion Technology</i> , <b>2017</b> , 1,	2.5	1
25	Automated model generation of knitted fabric for thermal conductivity prediction using finite element analysis and its applications in composites. <i>Journal of Industrial Textiles</i> , <b>2016</b> , 45, 1038-1061	1.6	12
24	Finite element analysis of functional yarn with thermal management characteristics. <i>Thermochimica Acta</i> , <b>2016</b> , 636, 33-41	2.9	3
23	Recycled Jean: Property Comparison to Standard Jean. <i>Journal of Fashion Technology &amp; Textile Engineering</i> , <b>2016</b> , 4,		2
22	3D Printing for Garments Production: An Exploratory Study. <i>Journal of Fashion Technology &amp; Textile Engineering</i> , <b>2016</b> , 04,		16
21	Surface Modification of Natural Fibers Using Plasma Treatment <b>2016</b> , 18-39		23
20	Development of thermal stable multifilament yarn containing micro-encapsulated phase change materials. <i>Fibers and Polymers</i> , <b>2015</b> , 16, 1156-1162	2	19
19	Computational analysis of effective thermal conductivity of microencapsulated phase change material coated composite fabrics. <i>Journal of Composite Materials</i> , <b>2015</b> , 49, 2337-2348	2.7	15
18	FE analysis of thermal properties of woven fabric constructed by yarn incorporated with microencapsulated phase change materials. <i>Fibers and Polymers</i> , <b>2015</b> , 16, 2497-2503	2	7
17	Porosity Prediction of Plain Weft Knitted Fabrics. <i>Fibers</i> , <b>2015</b> , 3, 1-11	3.7	7
16	Development of thermo-regulating polypropylene fibre containing microencapsulated phase change materials. <i>Renewable Energy</i> , <b>2014</b> , 71, 473-479	8.1	64
15	Engineering and analysis of gripping fabrics for improved ballistic performance. <i>Journal of Composite Materials</i> , <b>2014</b> , 48, 1355-1364	2.7	19
14	Investigating ballistic impact on fabric targets with gripping yarns. <i>Fibers and Polymers</i> , <b>2013</b> , 14, 1184-1189		18
13	Finite element analysis of thermal conductivity and thermal resistance behaviour of woven fabric. <i>Computational Materials Science</i> , <b>2013</b> , 75, 45-51	3.2	30

12	Finite element simulation of projectile perforation through a ballistic fabric. <i>Textile Reseach Journal</i> , <b>2013</b> , 83, 1489-1499	1.7	10
11	Plasma modification of Kevlar fabrics for ballistic applications. <i>Textile Reseach Journal</i> , <b>2012</b> , 82, 1928-1934	1.7	42
10	Cotton fabric mechanical properties affected by post-finishing processes. <i>Fibers and Polymers</i> , <b>2012</b> , 13, 1050-1057	2	10
9	An investigation of continuous finishing and dyeing on the mechanical properties and handle of cotton fabrics. <i>Fibers and Polymers</i> , <b>2012</b> , 13, 1286-1291	2	4
8	The Development of a Polymer Composite Filament for Thermo-sensitive Applications. <i>Polymers and Polymer Composites</i> , <b>2012</b> , 20, 823-828	0.8	2
7	Investigation of the effect of continuous finishing on the mechanical properties and the handle of wool fabrics. <i>Fibers and Polymers</i> , <b>2006</b> , 7, 245-249	2	8
6	Fabric surface properties affected by low temperature plasma treatment. <i>Journal of Materials Processing Technology</i> , <b>2006</b> , 173, 172-177	5.3	91
5	Investigating the Plasma Modification of Natural Fiber Fabrics-The Effect on Fabric Surface and Mechanical Properties. <i>Textile Reseach Journal</i> , <b>2005</b> , 75, 639-644	1.7	85
4	Effect of Low Temperature Plasma Treatment on the Scouring and Dyeing of Natural Fabrics. <i>Textile Reseach Journal</i> , <b>2004</b> , 74, 751-756	1.7	99
3	A review: can waste wool keratin be regenerated as a novel textile fibre via the reduction method?. <i>Journal of the Textile Institute</i> , 1-17	1.5	2
2	Sustainable Processing with Herbs on Bamboo, Banana, and Merino Wool Fibers. <i>Journal of Natural Fibers</i> , 1-17	1.8	1
1	Innovative Plant-Based Mordants and Colorants for Application on Cotton Fabric. <i>Journal of Natural Fibers</i> , 1-19	1.8	1