Danmei Sun

List of Publications by Year
in descending order

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		430442	433756
50	1,099	18	31
papers	citations	h-index	g-index

51	51	51	982
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Low Temperature Plasma Treatment on the Scouring and Dyeing of Natural Fabrics. Textile Reseach Journal, 2004, 74, 751-756.	1.1	122
2	Fabric surface properties affected by low temperature plasma treatment. Journal of Materials Processing Technology, 2006, 173, 172-177.	3.1	118
3	Investigating the Plasma Modification of Natural Fiber Fabrics-The Effect on Fabric Surface and Mechanical Properties. Textile Reseach Journal, 2005, 75, 639-644.	1.1	97
4	Phase change materials, their synthesis and application in textilesâ€"a review. Journal of the Textile Institute, 2019, 110, 625-638.	1.0	96
5	Development of thermo-regulating polypropylene fibre containing microencapsulated phase change materials. Renewable Energy, 2014, 71, 473-479.	4.3	85
6	Plasma modification of Kevlar fabrics for ballistic applications. Textile Reseach Journal, 2012, 82, 1928-1934.	1.1	50
7	Propelling textile waste to ascend the ladder of sustainability: EOL study on probing environmental parity in technical textiles. Journal of Cleaner Production, 2019, 233, 1451-1464.	4.6	47
8	Finite element analysis of thermal conductivity and thermal resistance behaviour of woven fabric. Computational Materials Science, 2013, 75, 45-51.	1.4	39
9	Investigating flexible textile-based coils for wireless charging wearable electronics. Journal of Industrial Textiles, 2020, 50, 333-345.	1.1	26
10	Development of thermal stable multifilament yarn containing micro-encapsulated phase change materials. Fibers and Polymers, 2015, 16, 1156-1162.	1.1	25
11	Synthesis of nanoencapsulated Glauberâ€™s salt using PMMA shell and its application on cotton for thermoregulating effect. Cellulose, 2018, 25, 2103-2113.	2.4	24
12	Ballistic performance of angle-interlock woven fabrics. Journal of the Textile Institute, 2017, 108, 586-596.	1.0	22
13	3D Printing for Garments Production: An Exploratory Study. Journal of Fashion Technology & Textile Engineering, 2016, 04, .	0.1	22
14	Engineering and analysis of gripping fabrics for improved ballistic performance. Journal of Composite Materials, 2014, 48, 1355-1364.	1.2	21
15	Computational analysis of effective thermal conductivity of microencapsulated phase change material coated composite fabrics. Journal of Composite Materials, 2015, 49, 2337-2348.	1.2	21
16	Investigating ballistic impact on fabric targets with gripping yarns. Fibers and Polymers, 2013, 14, 1184-1189.	1.1	20
17	Sustainable plant-based bioactive materials for functional printed textiles. Journal of the Textile Institute, 2021, 112, 1324-1358.	1.0	20
18	Optimization of Mechanical and Thermal Properties of iPP and LMPP Blend Fibres by Surface Response Methodology. Polymers, 2018, 10, 1135.	2.0	18

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19	Thermal analysis of conventional and performance plain woven fabrics by finite element method. Journal of Industrial Textiles, 2018, 48, 685-712.	1.1	15
20	Finite element simulation of projectile perforation through a ballistic fabric. Textile Reseach Journal, 2013, 83, 1489-1499.	1.1	13
21	Automated model generation of knitted fabric for thermal conductivity prediction using finite element analysis and its applications in composites. Journal of Industrial Textiles, 2016, 45, 1038-1061.	1.1	13
22	A review: can waste wool keratin be regenerated as a novel textile fibre via the reduction method?. Journal of the Textile Institute, 2022, 113, 1750-1766.	1.0	12
23	Investigation of the effect of continuous finishing on the mechanical properties and the handle of wool fabrics. Fibers and Polymers, 2006, 7, 245-249.	1.1	11
24	Cotton fabric mechanical properties affected by post-finishing processes. Fibers and Polymers, 2012, 13, 1050-1057.	1.1	11
25	Porosity Prediction of Plain Weft Knitted Fabrics. Fibers, 2015, 3, 1-11.	1.8	11
26	Synthesis of functional nanocapsules and their application to cotton fabric for thermal management. Cellulose, 2017, 24, 3525-3543.	2.4	11
27	FE analysis of thermal properties of woven fabric constructed by yarn incorporated with microencapsulated phase change materials. Fibers and Polymers, 2015, 16, 2497-2503.	1.1	10
28	Design of a wireless power transfer system for assisted living applications. Wireless Power Transfer, 2019, 6, 41-56.	0.9	9
29	Spouted-Bed Gasification of Flame Retardant Textiles as a Potential Non-Conventional Biomass. Applied Sciences (Switzerland), 2020, 10, 946.	1.3	9
30	Innovative Plant-Based Mordants and Colorants for Application on Cotton Fabric. Journal of Natural Fibers, 2022, 19, 14346-14364.	1.7	9
31	Development of Experimental Setup for Measuring the Thermal Conductivity of Textiles. Clothing and Textiles Research Journal, 2018, 36, 215-230.	2.2	7
32	Conjugate heat transfer analysis of knitted fabric. Journal of Thermal Analysis and Calorimetry, 2017, 129, 209-219.	2.0	6
33	An investigation of continuous finishing and dyeing on the mechanical properties and handle of cotton fabrics. Fibers and Polymers, 2012, 13, 1286-1291.	1.1	4
34	Finite element analysis of functional yarn with thermal management characteristics. Thermochimica Acta, 2016, 636, 33-41.	1.2	4
35	Geometrical modelling and thermal analysis of nonwoven fabrics. Journal of Industrial Textiles, 2018, 48, 405-431.	1.1	4
36	Specialty testing techniques for smart textiles. , 2019, , 99-116.		4

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37	3D Printing in Modern Fashion Industry. Journal of Textile Science & Fashion Technology, 2019, 2, .	0.3	4
38	An Investigation into the Performance Viability of Recycled Polyester from Recycled Polyethylene Terephthalate (R-PET). Journal of Textile Science & Fashion Technology, 2019, 2, .	0.3	4
39	Ecological application of natural biomaterial on natural fibres. Cleaner Materials, 2022, 3, 100038.	1.9	4
40	The Development of a Polymer Composite Filament for Thermo-sensitive Applications. Polymers and Polymer Composites, 2012, 20, 823-828.	1.0	3
41	Investigation of composite fabric impregnated with non-Newtonian fluid for protective textiles. Journal of Composite Materials, 2020, 54, 1013-1021.	1.2	3
42	Sustainable Processing with Herbs on Bamboo, Banana, and Merino Wool Fibers. Journal of Natural Fibers, 2022, 19, 8075-8091.	1.7	3
43	Recycled Jean: Property Comparison to Standard Jean. Journal of Fashion Technology & Textile Engineering, 2016, 4, .	0.1	3
44	Development of plug-ins to predict effective thermal conductivity of woven and microencapsulated phase change composite. Journal of Composite Materials, 2017, 51, 733-743.	1.2	2
45	Fabric handle as a concept for high-performance apparel. , 2018, , 307-323.		2
46	Investigation into Abrasion Resistance of Dyed Fabrics Made of Recycled and Standard Cotton Fibres. Journal of Textile Engineering & Fashion Technology, 2017, 1, .	0.1	2
47	Thermal analysis of temperature responsive fibrous materials. , 2020, , 335-353.		0
48	Biologically Plant-Based Pigments In Sustainable Innovations For Functional Textiles â€“The Role Of Green Chemistry. , 2021, 1, .		0
49	Wearable technology clothing - the potential to adapt and succeed in the fashion retail. Journal of Textile Engineering & Fashion Technology, 2019, 5, .	0.1	0
50	PREDICTION OF AIR PERMEABILITY OF KNITTED FABRIC BY USING COMPUTATIONAL METHOD. Tekstil Ve Konfeksiyon, 0, , .	0.3	0