

Chaoran Meng

List of Publications by Year in descending order

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42
papers

668
citations

687220

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610775

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42
all docs

42
docs citations

42
times ranked

715
citing authors

#	ARTICLE	IF	CITATIONS
1	Triboelectrification-Enabled Self-Powered Detection and Removal of Heavy Metal Ions in Wastewater. <i>Advanced Materials</i> , 2016, 28, 2983-2991.	11.1	204
2	Influence of various retting methods on properties of kenaf fiber. <i>Journal of the Textile Institute</i> , 2010, 101, 452-456.	1.0	41
3	Numerical study on the effect of nozzle pressure and yarn delivery speed on the fiber motion in the nozzle of Murata vortex spinning. <i>Journal of Fluids and Structures</i> , 2011, 27, 121-133.	1.5	36
4	The isolation and characterization of lignin of kenaf fiber. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1896-1901.	1.3	29
5	Rapid and energy-saving preparation of ramie fiber in TEMPO-mediated selective oxidation system. <i>Industrial Crops and Products</i> , 2018, 126, 143-150.	2.5	26
6	Determination of cellulose, hemicellulose and lignin content using near-infrared spectroscopy in flax fiber. <i>Textile Research Journal</i> , 2019, 89, 4875-4883.	1.1	23
7	The influence of fiber length distribution on the accelerated points in drafting: A new perspective on drafting process. <i>Fibers and Polymers</i> , 2009, 10, 217-220.	1.1	20
8	Simulation on fiber random arrangement in the yarn. <i>Journal of the Textile Institute</i> , 2014, 105, 1312-1318.	1.0	18
9	Evaluation of the mild Mg(OH) ₂ -AQ aided alkaline oxidation degumming process of ramie fiber at an industrial scale. <i>Industrial Crops and Products</i> , 2019, 137, 694-701.	2.5	17
10	Fiber motion and the accelerated point distribution in roller drafting. <i>Textile Research Journal</i> , 2019, 89, 1224-1236.	1.1	16
11	Bamboo fibre processing: insights into hemicellulase and cellulase substrate accessibility. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 27-37.	1.1	15
12	A joint influence of the distributions of fiber length and fineness on the strength efficiency of the fibers in yarn. <i>Fibers and Polymers</i> , 2007, 8, 309-312.	1.1	14
13	The effect of oxidation-reduction potential on the degumming of ramie fibers with hydrogen peroxide. <i>Journal of the Textile Institute</i> , 2015, 106, 1251-1261.	1.0	14
14	Preliminary research on bamboo degumming with xylanase. <i>Biocatalysis and Biotransformation</i> , 2008, 26, 450-454.	1.1	13
15	Experimental Study on the Fiber Motion in the Nozzle of Vortex Spinning via High-Speed Photography. <i>Journal of Natural Fibers</i> , 2012, 9, 117-135.	1.7	13
16	Study of drafting force variability and sliver irregularity at the break draft zone of a draw frame. <i>Textile Research Journal</i> , 2015, 85, 1465-1473.	1.1	13
17	Numerical Study on the Principle of Yarn Formation in Murata Air-Jet Spinning. <i>Journal of Textile Engineering</i> , 2007, 53, 173-178.	0.5	12
18	Effect of accelerated point distribution on sliver irregularity. Part I: characterization of accelerated point distribution. <i>Journal of the Textile Institute</i> , 2012, 103, 549-557.	1.0	12

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19	Simulation on fiber random arrangement in the yarn part II: joint effect of fiber length and fineness distribution. <i>Journal of the Textile Institute</i> , 2017, 108, 347-352.	1.0	12
20	A study of the drafting force in roller drafting and its influence on sliver irregularity. <i>Journal of the Textile Institute</i> , 2011, 102, 994-1001.	1.0	11
21	A numerical and experimental study on the effect of the orifice angle of vortex tube in vortex spinning machine. <i>Journal of the Textile Institute</i> , 2013, 104, 1303-1311.	1.0	11
22	Modeling fiber arrangement and distribution during the roller drafting process. <i>Textile Research Journal</i> , 2019, 89, 4295-4305.	1.1	11
23	Effect of vortex tube structure on yarn quality in vortex spinning machine. <i>Fibers and Polymers</i> , 2014, 15, 1786-1791.	1.1	10
24	Numerical simulation of the airflow field in vortex spinning processing. <i>Textile Research Journal</i> , 2019, 89, 1113-1127.	1.1	10
25	Generation of cotton fiber length probability density function with length measures. <i>Journal of the Textile Institute</i> , 2012, 103, 225-230.	1.0	8
26	Effect of accelerated point distribution on sliver irregularity. Part II: optimization of draft settings in two-zone roller drafting system. <i>Journal of the Textile Institute</i> , 2012, 103, 558-564.	1.0	8
27	Numerical simulation of swirling airflow dynamics in vortex spinning. <i>Textile Research Journal</i> , 2018, 88, 833-843.	1.1	7
28	Optimizing for <i>Bacillus cereus</i> DA3 scouring of flax roving. <i>Journal of the Textile Institute</i> , 2014, 105, 20-28.	1.0	6
29	Modeling roller drafting based on fiber arrangement in the sliver. <i>Journal of the Textile Institute</i> , 2018, 109, 1477-1481.	1.0	6
30	One-step extraction of ramie cellulose fibers and reutilization of degumming solution. <i>Textile Research Journal</i> , 2022, 92, 3579-3590.	1.1	6
31	Study on the testing of the accelerated point of the floating fiber in the roller drafting process with an improved method. <i>Textile Research Journal</i> , 2022, 92, 168-179.	1.1	5
32	Modeling the airflow field of vortex spinning. <i>Textile Research Journal</i> , 2022, 92, 1466-1483.	1.1	4
33	Study on length distribution of ramie fibers. <i>Journal of the Textile Institute</i> , 2017, 108, 1853-1862.	1.0	3
34	A study on fiber motion in the drafting zone and hook removal. <i>Textile Research Journal</i> , 2020, 90, 1277-1290.	1.1	3
35	Simulation of Fiber Arrangement in the Sliver with Fiber Separation Degree. <i>Journal of Natural Fibers</i> , 2022, 19, 1419-1427.	1.7	2
36	The Influence of Fiber Length Distribution on Yarn Properties Based on Fiber Random Arrangement in the Yarn. <i>Journal of Natural Fibers</i> , 2021, 18, 369-377.	1.7	2

#	ARTICLE	IF	CITATIONS
37	Simulation on Roller Drafting Based on Hook Fiber Arrangement in the Sliver. <i>Fibers and Polymers</i> , 2021, 22, 1170-1179.	1.1	2
38	A study on the dynamic motion of floating fibers in the double apron drafting process. <i>Textile Reseach Journal</i> , 0, , 004051752210860.	1.1	2
39	Study on drafting force and sliver irregularity on drawing frame. <i>Journal of the Textile Institute</i> , 2011, , 1-7.	1.0	1
40	Optimization and characterization of flavonoids extracted from <i>Cannabis sativa</i> fibers. <i>Textile Reseach Journal</i> , 0, , 004051752110277.	1.1	1
41	Simulation of sliver blending and evaluation of blending irregularity. <i>Textile Reseach Journal</i> , 2022, 92, 2895-2908.	1.1	1
42	Simulation of carding condensing process. <i>Textile Reseach Journal</i> , 0, , 004051752098812.	1.1	0