# Chaoran Meng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9095516/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 42 papers | 668 citations | 687220 13 h-index | 610775 24 g-index |
| 42 all docs | 42 docs citations | 42 times ranked | 715 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Simulation of Fiber Arrangement in the Sliver with Fiber Separation Degree. Journal of Natural Fibers, 2022, 19, 1419-1427. | 1.7 | 2 |
| 2 | Simulation of sliver blending and evaluation of blending irregularity. Textile Reseach Journal, 2022, 92, 2895-2908. | 1.1 | 1 |
| 3 | Study on the testing of the accelerated point of the floating fiber in the roller drafting process with an improved method. Textile Reseach Journal, 2022, 92, 168-179. | 1.1 | 5 |
| 4 | Modeling the airflow field of vortex spinning. Textile Reseach Journal, 2022, 92, 1466-1483. | 1.1 | 4 |
| 5 | One-step extraction of ramie cellulose fibers and reutilization of degumming solution. Textile Reseach Journal, 2022, 92, 3579-3590. | 1.1 | 6 |
| 6 | The Influence of Fiber Length Distribution on Yarn Properties Based on Fiber Random Arrangement in the Yarn. Journal of Natural Fibers, 2021, 18, 369-377. | 1.7 | 2 |
| 7 | Simulation on Roller Drafting Based on Hook Fiber Arrangement in the Sliver. Fibers and Polymers, 2021, 22, 1170-1179. | 1.1 | 2 |
| 8 | A study on fiber motion in the drafting zone and hook removal. Textile Reseach Journal, 2020, 90, 1277-1290. | 1.1 | 3 |
| 9 | Evaluation of the mild Mg(OH)2-AQ aided alkaline oxidation degumming process of ramie fiber at an industrial scale. Industrial Crops and Products, 2019, 137, 694-701. | 2.5 | 17 |
| 10 | Determination of cellulose, hemicellulose and lignin content using near-infrared spectroscopy in flax fiber. Textile Reseach Journal, 2019, 89, 4875-4883. | 1.1 | 23 |
| 11 | Modeling fiber arrangement and distribution during the roller drafting process. Textile Reseach Journal, 2019, 89, 4295-4305. | 1.1 | 11 |
| 12 | Fiber motion and the accelerated point distribution in roller drafting. Textile Reseach Journal, 2019, 89, 1224-1236. | 1.1 | 16 |
| 13 | Numerical simulation of the airflow field in vortex spinning processing. Textile Reseach Journal, 2019, 89, 1113-1127. | 1.1 | 10 |
| 14 | Modeling roller drafting based on fiber arrangement in the sliver. Journal of the Textile Institute, 2018, 109, 1477-1481. | 1.0 | 6 |
| 15 | Numerical simulation of swirling airflow dynamics in vortex spinning. Textile Reseach Journal, 2018, 88, 833-843. | 1.1 | 7 |
| 16 | Rapid and energy-saving preparation of ramie fiber in TEMPO-mediated selective oxidation system. Industrial Crops and Products, 2018, 126, 143-150. | 2.5 | 26 |
| 17 | Simulation on fiber random arrangement in the yarn part II: joint effect of fiber length and fineness distribution. Journal of the Textile Institute, 2017, 108, 347-352. | 1.0 | 12 |
| 18 | Study on length distribution of ramie fibers. Journal of the Textile Institute, 2017, 108, 1853-1862. | 1.0 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Triboelectrificationâ€Enabled Selfâ€Powered Detection and Removal of Heavy Metal Ions in Wastewater. Advanced Materials, 2016, 28, 2983-2991. | 11.1 | 204 |
| 20 | Study of drafting force variability and sliver irregularity at the break draft zone of a draw frame. Textile Reseach Journal, 2015, 85, 1465-1473. | 1.1 | 13 |
| 21 | The effect of oxidationâ€“reduction potential on the degumming of ramie fibers with hydrogen peroxide. Journal of the Textile Institute, 2015, 106, 1251-1261. | 1.0 | 14 |
| 22 | Optimizing forBacillus cereusDA3 scouring of flax roving. Journal of the Textile Institute, 2014, 105, 20-28. | 1.0 | 6 |
| 23 | Effect of vortex tube structure on yarn quality in vortex spinning machine. Fibers and Polymers, 2014, 15, 1786-1791. | 1.1 | 10 |
| 24 | Simulation on fiber random arrangement in the yarn. Journal of the Textile Institute, 2014, 105, 1312-1318. | 1.0 | 18 |
| 25 | A numerical and experimental study on the effect of the orifice angle of vortex tube in vortex spinning machine. Journal of the Textile Institute, 2013, 104, 1303-1311. | 1.0 | 11 |
| 26 | Generation of cotton fiber length probability density function with length measures. Journal of the Textile Institute, 2012, 103, 225-230. | 1.0 | 8 |
| 27 | Experimental Study on the Fiber Motion in the Nozzle of Vortex Spinning via High-Speed Photography. Journal of Natural Fibers, 2012, 9, 117-135. | 1.7 | 13 |
| 28 | Effect of accelerated point distribution on sliver irregularity. Part Î™: characterization of accelerated point distribution. Journal of the Textile Institute, 2012, 103, 549-557. | 1.0 | 12 |
| 29 | Effect of accelerated point distribution on sliver irregularity. Part II: optimization of draft settings in two-zone roller drafting system. Journal of the Textile Institute, 2012, 103, 558-564. | 1.0 | 8 |
| 30 | Bamboo fibre processing: insights into hemicellulase and cellulase substrate accessibility. Biocatalysis and Biotransformation, 2012, 30, 27-37. | 1.1 | 15 |
| 31 | A study of the drafting force in roller drafting and its influence on sliver irregularity. Journal of the Textile Institute, 2011, 102, 994-1001. | 1.0 | 11 |
| 32 | Study on drafting force and sliver irregularity on drawing frame. Journal of the Textile Institute, 2011, , 1-7. | 1.0 | 1 |
| 33 | Numerical study on the effect of nozzle pressure and yarn delivery speed on the fiber motion in the nozzle of Murata vortex spinning. Journal of Fluids and Structures, 2011, 27, 121-133. | 1.5 | 36 |
| 34 | Influence of various retting methods on properties of kenaf fiber. Journal of the Textile Institute, 2010, 101, 452-456. | 1.0 | 41 |
| 35 | The isolation and characterization of lignin of kenaf fiber. Journal of Applied Polymer Science, 2009, 114, 1896-1901. | 1.3 | 29 |
| 36 | The influence of fiber length distribution on the accelerated points in drafting: A new perspective on drafting process. Fibers and Polymers, 2009, 10, 217-220. | 1.1 | 20 |

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|---|---|---|---|
| 37 | Preliminary research on bamboo degumming with xylanase. Biocatalysis and Biotransformation, 2008, 26, 450-454. | 1.1 | 13 |
| 38 | Numerical Study on the Principle of Yarn Formation in Murata Air-Jet Spinning. Journal of Textile Engineering, 2007, 53, 173-178. | 0.5 | 12 |
| 39 | A joint influence of the distributions of fiber length and fineness on the strength efficiency of the fibers in yarn. Fibers and Polymers, 2007, 8, 309-312. | 1.1 | 14 |
| 40 | Simulation of carding condensing process. Textile Reseach Journal, 0, , 004051752098812. | 1.1 | 0 |
| 41 | Optimization and characterization of flavonoids extracted from Cannabis sativa fibers. Textile Reseach Journal, 0, , 004051752110277. | 1.1 | 1 |
| 42 | A study on the dynamic motion of floating fibers in the double apron drafting process. Textile Reseach Journal, 0, , 004051752210860. | 1.1 | 2 |