Rong Yin

List of Publications by Year
in descending order

17	205	1163117	1125743
papers	citations	8	13
		h-index	g-index

19	19	19	126
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A relative hairiness index for evaluating the securities of fiber ends in staple yarns and its application. Textile Reseach Journal, 2022, 92, 356-367.	2.2	3
2	Mathematical modeling and numerical simulation of nonlinearly elastic yarn in ring spinning. Textile Reseach Journal, 2021, 91, 278-288.	2.2	10
3	Wearable Actuators: An Overview. Textiles, 2021, 1, 283-321.	4.1	27
4	Viable approaches to increase the throughput of ring spinning: A critical review. Journal of Cleaner Production, 2021, 323, 129116.	9.3	13
5	Systematic investigation of twist generation and propagation in a modified ring spinning system. Textile Reseach Journal, 2020, 90, 367-375.	2.2	7
6	Yarn and fabric properties in a modified ring spinning system considering the effect of the friction surface of the false-twister. Textile Reseach Journal, 2020, 90, 572-580.	2.2	13
7	A theoretical model to investigate the performance of cellulose yarns constrained to lie on a moving solid cylinder. Cellulose, 2020, 27, 9683-9698.	4.9	5
8	Wireless Multistimulusâ€Responsive Fabricâ€Based Actuators for Soft Robotic, Humanâ€"Machine Interactive, and Wearable Applications. Advanced Materials Technologies, 2020, 5, 2000341.	5.8	21
9	Solar Energy Storage Silks via Coaxial Wet Spinning. , 2020, 2, 801-807.		6
10	Programmable and Thermally Hardening Composite Yarn Actuators with a Wide Range of Operating Temperature. Advanced Materials Technologies, 2020, 5, 2000329.	5.8	17
11	Highly Sensitive and Durable Structured Fibre Sensors for Low-Pressure Measurement in Smart Skin. Sensors, 2019, 19, 1811.	3.8	5
12	Variation of false twist on spinning process stability and resultant yarn properties in a modified ring spinning frame. Textile Reseach Journal, 2018, 88, 1876-1892.	2.2	10
13	Mathematical Modeling of Yarn Dynamics in a Generalized Twisting System. Scientific Reports, 2016, 6, 24432.	3.3	18
14	Investigation and evaluation on fine Upland cotton blend yarns made by the modified ring spinning system. Textile Reseach Journal, 2015, 85, 1355-1366.	2.2	20
15	Accurate prediction of the ringâ€spinning equation in zero air drag based on homotopy perturbation method. Journal of the Textile Institute, 2011, 102, 763-766.	1.9	7
16	The Bio-inspired Study of Homogeneous Composite Materials. Journal of Composite Materials, 2011, 45, 113-125.	2.4	6
17	Artificial Parameter Perturbation Method and Parameter-Expansion Method Used in Accurate Prediction of the Ring-Spinning Balloon in Zero Air Drag. , 2010, , .		2