Yize Sun

List of Publications by Year
in descending order

34 papers	269 citations	1163117 8 h-index	940533 16 g-index
34 all docs	34 docs citations	34 times ranked	311 citing authors

#	Article	IF	Citations
1	Modeling and analysis of tension system used in rotating yarn compensation carrier. Journal of the Textile Institute, 2023, 114, 225-233.	1.9	2
2	An algorithm for online detection of colour differences in warp knitted fabrics. Journal of the Textile Institute, 2022, 113, 159-165.	1.9	4
3	Rheological experiment and fractional derivative model for aqueous polyurethane dispersion. Journal of Applied Polymer Science, 2022, 139, 52259.	2.6	0
4	Mapping Relation between Contour Error Components of Crankshaft Pin Journal and Axis Position Control Error of Oscillating Grinding Machine. Sensors, 2021, 21, 6497.	3.8	0
5	A novel numerical optimization algorithm inspired from garden balsam. Neural Computing and Applications, 2020, 32, 16783-16794.	5.6	5
6	Garden balsam optimization algorithm. Concurrency Computation Practice and Experience, 2020, 32, e5456.	2.2	3
7	A hybrid intelligence technique based on the Taguchi method for multi-objective process parameter optimization of the 3D additive screen printing of athletic shoes. Textile Reseach Journal, 2020, 90, 1067-1083.	2.2	7
8	Analysis and Modeling of Viscosity for Aqueous Polyurethane Dispersion as a Function of Shear Rate, Temperature, and Solid Content. ACS Omega, 2020, 5, 26237-26244.	3.5	7
9	Predicting Ink Transfer Rate of 3D Additive Printing Using EGBO Optimized Least Squares Support Vector Machine Model. Mathematical Problems in Engineering, 2020, 2020, 1-12.	1.1	1
10	Non-Linear Dynamic Feature Analysis of a Multiple-Stage Closed-Loop Gear Transmission System for 3D Circular Braiding Machine. Symmetry, 2020, 12, 1788.	2.2	3
11	Optimal design of the horn gear for rotary three-dimensional braiding machine. Journal of the Textile Institute, 2020, 111, 1596-1602.	1.9	4
12	Investigation of Nonlinear Characteristics of a Gear Transmission System in a Braiding Machine with Multiple Excitation Factors. Shock and Vibration, 2020, 2020, 1-20.	0.6	0
13	Tension modeling and analysis of braiding carriers during radial-direction and axial-direction braiding. Journal of the Textile Institute, 2019, 110, 1190-1201.	1.9	10
14	Energy cost minimization through optimization of EV, home and workplace battery storage. Science China Technological Sciences, 2018, 61, 761-773.	4.0	10
15	Modeling and analysis of friction in end-face/inner-face circular braiding processes. Journal of the Textile Institute, 2018, 109, 1400-1408.	1.9	10
16	Reliability-based optimization design of the latch needle mechanism in double-needle warp knitting machine. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	5
17	An improved viscoelastic model for tufted carpet yarn. Journal of the Textile Institute, 2018, 109, 85-91.	1.9	0
18	A Novel Control Strategy on Multiple-Mode Application of Electric Vehicle in Distributed Photovoltaic Systems. Complexity, 2018, 2018, 1-11.	1.6	2

#	Article	IF	Citations
19	A model of screen reaction force for the 3D additive screen printing. Journal of the Textile Institute, 2018, 109, 1000-1007.	1.9	4
20	Bifurcation and chaos analysis of power converter for switched reluctance motor drive. International Journal of Electronics, 2017, 104, 157-173.	1.4	11
21	An Enhanced MPPT Method Combining Fractional-Order and Fuzzy Logic Control. IEEE Journal of Photovoltaics, 2017, 7, 640-650.	2.5	113
22	An improved method to analyze the tensile behavior of carpet yarn. Journal of the Textile Institute, 2017, 108, 1018-1021.	1.9	0
23	Research on Three-Dimensional Reproduction Technology of Coal Face. , 2016, , .		2
24	Three-dimensional mathematical model of memory cutting for shearer. , 2016, , .		2
25	Ultrasound-assisted chemical dissolution for quantitative analysis of wool in textile blends. Journal of the Textile Institute, 2016, 107, 165-170.	1.9	1
26	Classification of textile fabrics by use of spectroscopy-based pattern recognition methods. Spectroscopy Letters, 2016, 49, 96-102.	1.0	27
27	3-D Analysis for the Torque of Permanent Magnet Coupler. IEEE Transactions on Magnetics, 2015, 51, 1-8.	2.1	12
28	A theoretical ultrafiltration model for albumin-bound toxin dialysis. , 2013, , .		2
29	Finite element analysis of penetration force for needle during tufting process. Journal of the Textile Institute, 2013, 104, 745-754.	1.9	7
30	Analytical approach of creep behavior of carpet yarn. Journal of Applied Polymer Science, 2012, 124, 1160-1167.	2.6	12
31	Binary Particle Swarm Optimization Algorithm for Control of Single-Phase Full-Bridge Inverter. , 2010, , .		3
32	Design of electronic cam for lower hook mechanism of fishing net-weaving machine based on polynomial fitting. Textile Reseach Journal, 0, , 004051752110687.	2.2	0
33	Analysis of grasping deformation of textile fabric based on fluid structure coupling. Textile Reseach Journal, 0, , 004051752211052.	2.2	0
34	Off-center braiding process for complex composite preforms based on analysis of the geometric contour model of the mandrel. Textile Reseach Journal, 0, , 004051752211085.	2.2	0