

Yize Sun

List of Publications by Year in descending order

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34
papers

269
citations

1163117

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34
all docs

34
docs citations

34
times ranked

311
citing authors

#	ARTICLE	IF	CITATIONS
1	An Enhanced MPPT Method Combining Fractional-Order and Fuzzy Logic Control. IEEE Journal of Photovoltaics, 2017, 7, 640-650.	2.5	113
2	Classification of textile fabrics by use of spectroscopy-based pattern recognition methods. Spectroscopy Letters, 2016, 49, 96-102.	1.0	27
3	Analytical approach of creep behavior of carpet yarn. Journal of Applied Polymer Science, 2012, 124, 1160-1167.	2.6	12
4	3-D Analysis for the Torque of Permanent Magnet Coupler. IEEE Transactions on Magnetics, 2015, 51, 1-8.	2.1	12
5	Bifurcation and chaos analysis of power converter for switched reluctance motor drive. International Journal of Electronics, 2017, 104, 157-173.	1.4	11
6	Energy cost minimization through optimization of EV, home and workplace battery storage. Science China Technological Sciences, 2018, 61, 761-773.	4.0	10
7	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
8	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
9	Finite element analysis of penetration force for needle during tufting process. Journal of the Textile Institute, 2013, 104, 745-754.	1.9	7
10	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 Research Journal, 2020, 90, 1067-1083.	2.2	7
11	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
12	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
13	A novel numerical optimization algorithm inspired from garden balsam. Neural Computing and Applications, 2020, 32, 16783-16794.	5.6	5
14	A model of screen reaction force for the 3D additive screen printing. Journal of the Textile Institute, 2018, 109, 1000-1007.	1.9	4
15	Optimal design of the horn gear for rotary three-dimensional braiding machine. Journal of the Textile Institute, 2020, 111, 1596-1602.	1.9	4
16	An algorithm for online detection of colour differences in warp knitted fabrics. Journal of the Textile Institute, 2022, 113, 159-165.	1.9	4
17	Binary Particle Swarm Optimization Algorithm for Control of Single-Phase Full-Bridge Inverter. , 2010, , ,		3
18	Garden balsam optimization algorithm. Concurrency Computation Practice and Experience, 2020, 32, e5456.	2.2	3

#	ARTICLE	IF	CITATIONS
19	Non-Linear Dynamic Feature Analysis of a Multiple-Stage Closed-Loop Gear Transmission System for 3D Circular Braiding Machine. <i>Symmetry</i> , 2020, 12, 1788.	2.2	3
20	A theoretical ultrafiltration model for albumin-bound toxin dialysis. , 2013, , .		2
21	Research on Three-Dimensional Reproduction Technology of Coal Face. , 2016, , .		2
22	Three-dimensional mathematical model of memory cutting for shearer. , 2016, , .		2
23	A Novel Control Strategy on Multiple-Mode Application of Electric Vehicle in Distributed Photovoltaic Systems. <i>Complexity</i> , 2018, 2018, 1-11.	1.6	2
24	Modeling and analysis of tension system used in rotating yarn compensation carrier. <i>Journal of the Textile Institute</i> , 2023, 114, 225-233.	1.9	2
25	Ultrasound-assisted chemical dissolution for quantitative analysis of wool in textile blends. <i>Journal of the Textile Institute</i> , 2016, 107, 165-170.	1.9	1
26	Predicting Ink Transfer Rate of 3D Additive Printing Using EGBO Optimized Least Squares Support Vector Machine Model. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-12.	1.1	1
27	An improved method to analyze the tensile behavior of carpet yarn. <i>Journal of the Textile Institute</i> , 2017, 108, 1018-1021.	1.9	0
28	An improved viscoelastic model for tufted carpet yarn. <i>Journal of the Textile Institute</i> , 2018, 109, 85-91.	1.9	0
29	Investigation of Nonlinear Characteristics of a Gear Transmission System in a Braiding Machine with Multiple Excitation Factors. <i>Shock and Vibration</i> , 2020, 2020, 1-20.	0.6	0
30	Mapping Relation between Contour Error Components of Crankshaft Pin Journal and Axis Position Control Error of Oscillating Grinding Machine. <i>Sensors</i> , 2021, 21, 6497.	3.8	0
31	Design of electronic cam for lower hook mechanism of fishing net-weaving machine based on polynomial fitting. <i>Textile Reseach Journal</i> , 0, , 004051752110687.	2.2	0
32	Rheological experiment and fractional derivative model for aqueous polyurethane dispersion. <i>Journal of Applied Polymer Science</i> , 2022, 139, 52259.	2.6	0
33	Analysis of grasping deformation of textile fabric based on fluid structure coupling. <i>Textile Reseach Journal</i> , 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. <i>Textile Reseach Journal</i> , 0, , 004051752211085.	2.2	0