

Chung Feng Jeffrey Kuo

List of Publications by Year in descending order

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191
papers

2,760
citations

185998

28
h-index

288905

40
g-index

203
all docs

203
docs citations

203
times ranked

2094
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanistic understanding of the Sulfurized-Poly(acrylonitrile) cathode for lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2020, 26, 483-493.	9.5	99
2	Using the Taguchi method and grey relational analysis to optimize the flat-plate collector process with multiple quality characteristics in solar energy collector manufacturing. <i>Energy</i> , 2011, 36, 3554-3562.	4.5	88
3	A Back-Propagation Neural Network for Recognizing Fabric Defects. <i>Textile Research Journal</i> , 2003, 73, 147-151.	1.1	71
4	Controllable embedding of sulfur in high surface area nitrogen doped three dimensional reduced graphene oxide by solution drop impregnation method for high performance lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2017, 353, 298-311.	4.0	71
5	Gray Relational Analysis for Recognizing Fabric Defects. <i>Textile Research Journal</i> , 2003, 73, 461-465.	1.1	69
6	Hybrid nanostructured microporous carbon-mesoporous carbon doped titanium dioxide/sulfur composite positive electrode materials for rechargeable lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2016, 324, 239-252.	4.0	57
7	Using a Neural Network to Identify Fabric Defects in Dynamic Cloth Inspection. <i>Textile Research Journal</i> , 2003, 73, 238-244.	1.1	54
8	Automatic Recognition of Fabric Nature by Using the Approach of Texture Analysis. <i>Textile Research Journal</i> , 2006, 76, 375-382.	1.1	52
9	Novel multifunctional $\text{RbxWO}_3@Fe_3O_4$ immobilized Janus membranes for desalination and synergic-photocatalytic water purification. <i>Desalination</i> , 2021, 517, 115256.	4.0	51
10	The high response and high efficiency velocity control of a hydraulic injection molding machine using a variable rotational speed electro-hydraulic pump-controlled system. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 43, 841-851.	1.5	50
11	Analysis of intelligent green building policy and developing status in Taiwan. <i>Energy Policy</i> , 2016, 95, 291-303.	4.2	49
12	Waste-to-energy: Utilization of recycled waste materials to fabricate triboelectric nanogenerator for mechanical energy harvesting. <i>Journal of Cleaner Production</i> , 2022, 363, 132532.	4.6	49
13	Automatic inspection system of LED chip using two-stages back-propagation neural network. <i>Journal of Intelligent Manufacturing</i> , 2014, 25, 1235-1243.	4.4	48
14	Highly Efficient Near Infrared Photothermal Conversion Properties of Reduced Tungsten Oxide/Polyurethane Nanocomposites. <i>Nanomaterials</i> , 2017, 7, 191.	1.9	47
15	Optimization of multiple quality characteristics for polyether ether ketone injection molding process. <i>Fibers and Polymers</i> , 2006, 7, 404-413.	1.1	41
16	Scratch direction and threshold force in nanoscale scratching using atomic force microscopes. <i>Applied Surface Science</i> , 2011, 257, 9243-9250.	3.1	41
17	Highly efficient photocatalytic activity of $\text{Ag}_3\text{VO}_4/\text{WO}_2.72$ nanocomposites for the degradation of organic dyes from the ultraviolet to near-infrared regions. <i>Applied Surface Science</i> , 2020, 512, 145618.	3.1	41
18	Highly-efficient and salt-resistant $\text{Cs}_x\text{WO}_3@g\text{-C}_3\text{N}_4/\text{PVDF}$ fiber membranes for interfacial water evaporation, desalination, and sewage treatment. <i>Composites Science and Technology</i> , 2021, 211, 108865.	3.8	40

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19	Optimization of the needle punching process for the nonwoven fabrics with multiple quality characteristics by grey-based taguchi method. <i>Fibers and Polymers</i> , 2007, 8, 654-664.	1.1	39
20	Analyze the energy consumption characteristics and affecting factors of Taiwan's convenience stores-using the big data mining approach. <i>Energy and Buildings</i> , 2018, 168, 120-136.	3.1	39
21	The photovoltaic-thermal system parameter optimization design and practical verification. <i>Energy Conversion and Management</i> , 2019, 180, 358-371.	4.4	39
22	Magnetically separable highly efficient full-spectrum light-driven WO _{2.72} /Fe ₃ O ₄ nanocomposites for photocatalytic reduction of carcinogenic chromium (VI) and organic dye degradation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 117, 123-132.	2.7	38
23	Automatic defect inspection system of colour filters using Taguchi-based neural network. <i>International Journal of Production Research</i> , 2013, 51, 1464-1476.	4.9	35
24	Control of a permanent magnet synchronous motor with a fuzzy sliding-mode controller. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 32, 757-763.	1.5	34
25	Repeat Pattern Segmentation of Printed Fabrics by Hough Transform Method. <i>Textile Reseach Journal</i> , 2005, 75, 779-783.	1.1	33
26	Color and Pattern Analysis of Printed Fabric by an Unsupervised Clustering Method. <i>Textile Reseach Journal</i> , 2005, 75, 9-12.	1.1	32
27	Dual-Confined Sulfur in Hybrid Nanostructured Materials for Enhancement of Lithium-Sulfur Battery Cathode Capacity Retention. <i>ChemElectroChem</i> , 2017, 4, 636-647.	1.7	31
28	Magnetic recyclable self-floating solar light-driven WO _{2.72} /Fe ₃ O ₄ nanocomposites immobilized by Janus membrane for photocatalysis of inorganic and organic pollutants. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 102, 25-34.	2.9	31
29	Automated optical inspection system for surface mount device light emitting diodes. <i>Journal of Intelligent Manufacturing</i> , 2019, 30, 641-655.	4.4	28
30	Development of a real-time machine vision system for functional textile fabric defect detection using a deep YOLOv4 model. <i>Textile Reseach Journal</i> , 2022, 92, 675-690.	1.1	28
31	Computerized color separation system for printed fabrics by using backward-propagation neural network. <i>Fibers and Polymers</i> , 2007, 8, 529-536.	1.1	23
32	Nano composite fiber process optimization for polypropylene with antibacterial and far-infrared ray emission properties. <i>Textile Reseach Journal</i> , 2016, 86, 1677-1687.	1.1	23
33	Using Neural Network Theory to Predict the Properties of Melt Spun Fibers. <i>Textile Reseach Journal</i> , 2004, 74, 840-843.	1.1	22
34	Optimization of Injection Molding Processing Parameters for LCD Light-Guide Plates. <i>Journal of Materials Engineering and Performance</i> , 2007, 16, 539-548.	1.2	22
35	Evaluation of intelligent green building policies in Taiwan – Using fuzzy analytic hierarchical process and fuzzy transformation matrix. <i>Energy and Buildings</i> , 2017, 139, 146-159.	3.1	22
36	Design and experimental study of a Fresnel lens-based concentrated photovoltaic thermal system integrated with nanofluid spectral splitter. <i>Energy Conversion and Management</i> , 2022, 258, 115455.	4.4	22

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37	Fibrous organosulfur cathode materials with high bonded sulfur for high-performance lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2022, 541, 231693.	4.0	22
38	Automated defect inspection system for CMOS image sensor with micro multi-layer non-spherical lens module. <i>Journal of Manufacturing Systems</i> , 2017, 45, 248-259.	7.6	21
39	Automatic lung nodule detection system using image processing techniques in computed tomography. <i>Biomedical Signal Processing and Control</i> , 2020, 56, 101659.	3.5	21
40	Modal analysis and control of a rotating Euler-Bernoulli beam part I: Control system analysis and controller design. <i>Mathematical and Computer Modelling</i> , 1998, 27, 75-92.	2.0	20
41	Application of a Taguchi-based neural network prediction design of the film coating process for polymer blends. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 27, 455-461.	1.5	20
42	Optimization of the film coating process for polymer blends by the grey-based Taguchi method. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 27, 525-530.	1.5	20
43	Study on the synthesis and application of silicone resin containing phenyl group. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 76, 66-73.	1.1	20
44	Integrating image processing and classification technology into automated polarizing film defect inspection. <i>Optics and Lasers in Engineering</i> , 2018, 104, 204-219.	2.0	20
45	Optimizing parameters for continuous electrospinning of polyacrylonitrile nanofibrous yarn using the Taguchi method. <i>Journal of Industrial Textiles</i> , 2018, 48, 559-579.	1.1	20
46	Precise speed control of a permanent magnet synchronous motor. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 28, 942-949.	1.5	18
47	Self-organizing map network for automatically recognizing color texture fabric nature. <i>Fibers and Polymers</i> , 2007, 8, 174-180.	1.1	18
48	NIR Light Stimulated Self-Healing Reduced Tungsten Oxide/Polyurethane Nanocomposite Based on the Diels-Alder Reaction. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100438.	1.7	18
49	Silicone resin synthesized by tetraethoxysilane and chlorotrimethylsilane through hydrolysis-condensation reaction. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	17
50	Application of an LM-neural network for establishing a prediction system of quality characteristics for the LGP manufactured by CO2 laser. <i>Optics and Laser Technology</i> , 2011, 43, 529-536.	2.2	16
51	Automatic machine embroidery image color analysis system. Part I: Using Gustafson-Kessel clustering algorithm in embroidery fabric color separation. <i>Textile Research Journal</i> , 2012, 82, 571-583.	1.1	16
52	A study on the recognition and classification of embroidered textile defects in manufacturing. <i>Textile Research Journal</i> , 2016, 86, 393-408.	1.1	16
53	A bifacial photovoltaic thermal system design with parameter optimization and performance beneficial validation. <i>Applied Energy</i> , 2019, 247, 335-349.	5.1	16
54	Application of intelligent automatic segmentation and 3D reconstruction of inferior turbinate and maxillary sinus from computed tomography and analyze the relationship between volume and nasal lesion. <i>Biomedical Signal Processing and Control</i> , 2020, 57, 101660.	3.5	16

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55	Optimization of the processing conditions and prediction of the quality for dyeing nylon and lycra blended fabrics. <i>Fibers and Polymers</i> , 2006, 7, 344-351.	1.1	15
56	Multiple Quality Characteristics Optimization of Precision Injection Molding for LCD Light Guide Plates. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 495-505.	1.9	14
57	Computerized Color Distinguishing System for Color Printed Fabric by Using the Approach of Probabilistic Neural Network. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 264-272.	1.9	14
58	Synthesis of novel CuNb ₂ O ₆ /g-C ₃ N ₄ binary photocatalyst towards efficient visible light reduction of Cr (VI) and dyes degradation for environmental remediation. <i>Chemosphere</i> , 2022, 298, 134153.	4.2	14
59	Automatic detection system for printed fabric defects. <i>Textile Reseach Journal</i> , 2012, 82, 591-601.	1.1	13
60	Fast fully automatic detection, classification and 3D reconstruction of pulmonary nodules in CT images by local image feature analysis. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102790.	3.5	13
61	Automatic machine embroidery image color analysis system, part II: Application of the genetic algorithm in search of a repetitive pattern image. <i>Textile Reseach Journal</i> , 2012, 82, 1099-1106.	1.1	12
62	A study on blending polyethylene terephthalate with titanium dioxide particles in melt spinning process parameter optimization. <i>Textile Reseach Journal</i> , 2013, 83, 813-826.	1.1	12
63	Automatic marking point positioning of printed circuit boards based on template matching technique. <i>Journal of Intelligent Manufacturing</i> , 2019, 30, 671-685.	4.4	12
64	Research and Development of Intelligent On-Line Real-time Defect Inspection System for Polymer Polarizer. <i>Polymer-Plastics Technology and Engineering</i> , 2009, 48, 185-192.	1.9	11
65	Prediction system of open-end rotor spinning process based on LM-neural network for bamboo charcoal fibers. <i>Fibers and Polymers</i> , 2011, 12, 657-663.	1.1	11
66	Analysis of processing parameters in fabrication of Fresnel lens solar collector. <i>Energy Conversion and Management</i> , 2012, 57, 33-41.	4.4	11
67	Optimization of injection-molded light guide plate with microstructures by using reciprocal comparisons. <i>Journal of Intelligent Manufacturing</i> , 2015, 26, 677-690.	4.4	11
68	Three-dimensional reconstruction of trachea using computed tomography imaging as therapy for tracheal stenosis in infants. <i>Computer Methods and Programs in Biomedicine</i> , 2016, 132, 177-187.	2.6	11
69	A novel image processing technology for recognizing the weave of fabrics. <i>Textile Reseach Journal</i> , 2016, 86, 288-301.	1.1	11
70	Image inspection of knitted fabric defects using wavelet packets. <i>Textile Reseach Journal</i> , 2016, 86, 553-560.	1.1	11
71	Dynamic modeling and entity validation of a photovoltaic system. <i>Applied Energy</i> , 2017, 200, 370-382.	5.1	11
72	Optimization of the electron-beam-lithography parameters for the moth-eye effects of an antireflection matrix structure. <i>Journal of Applied Polymer Science</i> , 2006, 102, 5303-5313.	1.3	10

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73	Using image processing technology and mathematical algorithm in the automatic selection of vocal cord opening and closing images from the larynx endoscopy video. Computer Methods and Programs in Biomedicine, 2013, 112, 455-465.	2.6	10
74	Automatic recognizing of vocal fold disorders from glottis images. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2014, 228, 952-961.	1.0	10
75	A homography fringe generation method of fringe projection profilometry technology. Optics and Lasers in Engineering, 2014, 56, 28-34.	2.0	10
76	Property modification and process parameter optimization design of polylactic acid composite materials. Part I: polylactic acid toughening and photo-degradation modification and optimized parameter design. Textile Reseach Journal, 2015, 85, 13-25.	1.1	10
77	A study of automated color, shape and texture analysis of Tatami embroidery fabrics. Textile Reseach Journal, 2016, 86, 1791-1802.	1.1	10
78	Prognostic value of tumor volume for patients with advanced lung cancer treated with chemotherapy. Computer Methods and Programs in Biomedicine, 2017, 144, 165-177.	2.6	10
79	Dynamic modeling, practical verification and energy benefit analysis of a photovoltaic and thermal composite module system. Energy Conversion and Management, 2017, 154, 470-481.	4.4	10
80	Laryngopharyngeal reflux image quantization and analysis of its severity. Scientific Reports, 2020, 10, 10975.	1.6	10
81	Construction and Analysis in Combining the Taguchi Method and the Back Propagation Neural Network in the PEEK Injection Molding Process. Polymer-Plastics Technology and Engineering, 2007, 46, 841-848.	1.9	9
82	DYNAMIC STABILITY ANALYSIS AND VIBRATION CONTROL OF A ROTATING ELASTIC BEAM CONNECTED WITH AN END MASS. International Journal of Structural Stability and Dynamics, 2013, 13, 1250066.	1.5	9
83	Applying the support vector machine with optimal parameter design into an automatic inspection system for classifying micro-defects on surfaces of light-emitting diode chips. Journal of Intelligent Manufacturing, 2019, 30, 727-741.	4.4	9
84	Neural network control of a rotating elastic manipulator. Computers and Mathematics With Applications, 2001, 42, 1009-1023.	1.4	8
85	Using Fuzzy Theory to Predict the Properties of a Melt Spinning System. Textile Reseach Journal, 2004, 74, 231-235.	1.1	8
86	Optimisation of Precision Injection Moulding Processing Parameters and Implementation of Quality Prediction System for LCD Light Guide Plate. Polymers and Polymer Composites, 2007, 15, 17-28.	1.0	8
87	Analysis and construction of a quality prediction system for needle-punched non-woven fabrics. Fibers and Polymers, 2007, 8, 66-71.	1.1	8
88	Multi-objective optimization of laser-scribed micro grooves on AZO conductive thin film using Data Envelopment Analysis. Optics and Laser Technology, 2012, 44, 1959-1970.	2.2	8
89	Using image processing technology combined with decision tree algorithm in laryngeal video stroboscope automatic identification of common vocal fold diseases. Computer Methods and Programs in Biomedicine, 2013, 112, 228-236.	2.6	8
90	Development of laryngeal video stroboscope with laser marking module for dynamic glottis measurement. Computerized Medical Imaging and Graphics, 2014, 38, 34-41.	3.5	8

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91	The preparation of organic light-emitting diode encapsulation barrier layer by low-temperature plasma-enhanced chemical vapor deposition: a study on the SiO_xN_y film parameter optimization. Journal of Intelligent Manufacturing, 2016, 27, 581-593.	4.4	8
92	Image database of printed fabric with repeating dot patterns part (I) – image archiving. Textile Research Journal, 2017, 87, 2089-2105.	1.1	8
93	Optimum processing parameters of sueding fabric comfort by applying the Taguchi method and fuzzy theory. Textile Research Journal, 2019, 89, 5165-5176.	1.1	8
94	Gaussian probability bi-histogram equalization for enhancement of the pathological features in medical images. International Journal of Imaging Systems and Technology, 2019, 29, 132-145.	2.7	8
95	Dynamic Analysis and Control of a Whole Roller Carding System. Textile Research Journal, 2001, 71, 943-947.	1.1	7
96	Model Reduction and Controller Design of a Whole Roller Carding System. Textile Research Journal, 2002, 72, 98-102.	1.1	7
97	Overall strategy for fabric folding machine system control. International Journal of Advanced Manufacturing Technology, 2007, 31, 1198-1208.	1.5	7
98	Intelligence control of on-line dynamic gray cloth inspecting machine system module design. II. Defects inspecting module design. Fibers and Polymers, 2008, 9, 768-775.	1.1	7
99	Optimization of microcrystalline silicon thin film solar cell isolation processing parameters using ultraviolet laser. Optics and Laser Technology, 2010, 42, 945-955.	2.2	7
100	Dynamic modeling and control of an atomic force microscope probe measurement system. JVC/Journal of Vibration and Control, 2012, 18, 101-116.	1.5	7
101	The application of principal component analysis and gray relational method in the optimization of the melt spinning process using the cooling air system. Textile Research Journal, 2013, 83, 371-380.	1.1	7
102	The CO2 laser parameter optimization design and practical verification for a touch panel conductive film. Optics and Lasers in Engineering, 2014, 52, 250-260.	2.0	7
103	Automated inspection of micro-defect recognition system for color filter. Optics and Lasers in Engineering, 2015, 70, 6-17.	2.0	7
104	A study of multi-quality processing parameter optimization for sueded fabric. Textile Research Journal, 2017, 87, 389-398.	1.1	7
105	Synthesis of high-solid content, acrylic pressure-sensitive adhesives by solvent polymerization. Journal of Applied Polymer Science, 2018, 135, 46257.	1.3	7
106	Hot-melt pressure-sensitive adhesive for seamless bonding of nylon fabric part I: effect of a functional monomer. Textile Research Journal, 2019, 89, 926-935.	1.1	7
107	Theoretical Control and Experimental Verification of Carded Web Density Part III: Neural Network Controller Design. Textile Research Journal, 1999, 69, 401-406.	1.1	6
108	Optimization Parameters of Femtosecond Laser Isolation Processing for a Microcrystalline Silicon Thin Film Solar Cell. Materials and Manufacturing Processes, 2011, 26, 1310-1318.	2.7	6

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109	Pattern-making simulation on embroidery using probabilistic neural network and texture fitting method. Textile Reseach Journal, 2011, 81, 2082-2094.	1.1	6
110	A study of processing parameters in open-end spinning process for organic cotton (Ne 24). Textile Reseach Journal, 2012, 82, 1560-1568.	1.1	6
111	Automatic machine embroidery image color analysis system, part III: Integration of machine embroidery image color analysis system. Textile Reseach Journal, 2012, 82, 2090-2098.	1.1	6
112	Automatic control of roller carding machine. Part I: Modeling and validation of roller carding machine. Textile Reseach Journal, 2012, 82, 3-10.	1.1	6
113	Optimization process parameters of multiple quality characteristics for polyoxymethylene/glass fiber composite material. Fibers and Polymers, 2014, 15, 2597-2606.	1.1	6
114	Optimal injection parameters for multiple qualities in poly lactic acid/nano mica composites. Textile Reseach Journal, 2014, 84, 1489-1505.	1.1	6
115	Property modification and process parameter optimization design of polylactic acid composite materials Part II: application of response surface methodology and multi-objective particle swarm optimization in the processing of polylactic acid composite fiber. Textile Reseach Journal, 2015, 85, 687-700.	1.1	6
116	Inspection of appearance defects for polarizing films by image processing and neural networks. Textile Reseach Journal, 2016, 86, 1565-1573.	1.1	6
117	Development of disperse dye polypropylene fiber and process parameter optimization Part I: development of dyeable polypropylene fiber and parameter optimization. Textile Reseach Journal, 2018, 88, 3-13.	1.1	6
118	Jerk decision for free-form surface effects in multi-axis synchronization manufacturing. International Journal of Advanced Manufacturing Technology, 2019, 105, 799-812.	1.5	6
119	Fabrication of a thermally conductive silicone composite by incorporating surface-modified boron nitride. Textile Reseach Journal, 2019, 89, 2637-2647.	1.1	6
120	Semi-Supervised Deep Learning Semantic Segmentation for 3D Volumetric Computed Tomographic Scoring of Chronic Rhinosinusitis: Clinical Correlations and Comparison with Lund-Mackay Scoring. Tomography, 2022, 8, 718-729.	0.8	6
121	Development of a real-time home textile fabric defect inspection machine system for the textile industry. Textile Reseach Journal, 2022, 92, 4778-4788.	1.1	6
122	Modal analysis and control of a rotating Euler-Bernoulli beam part II: Residual vibration control. Mathematical and Computer Modelling, 1998, 27, 93-97.	2.0	5
123	Theoretical Control and Experimental Verification of Carded Web Density Part I: Dynamic System Analysis and Controller Design. Textile Reseach Journal, 1998, 68, 873-880.	1.1	5
124	Theoretical Control and Experimental Verification of Carded Web Density. Textile Reseach Journal, 1999, 69, 237-243.	1.1	5
125	Automatic color separating system for printed fabric using the self-organizing map network approach. Fibers and Polymers, 2008, 9, 708-714.	1.1	5
126	Processing parameters optimization of multiple quality characteristics of open-end rotor spinning process for Bamboo charcoal and CVC blended fibers. Fibers and Polymers, 2010, 11, 891-898.	1.1	5

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127	Recognition of fault process conditions based on spinline tension in melt spinning. <i>Textile Research Journal</i> , 2014, 84, 1549-1557.	1.1	5
128	Optimization and practical verification of system configuration parameter design for a photovoltaic thermal system combined with a reflector. <i>Journal of Intelligent Manufacturing</i> , 2017, 28, 1017-1029.	4.4	5
129	Low corrosion optically clear adhesives for conducting glass: I. Effects of diethylacrylamide and acrylic acid mixtures on optically clear adhesives. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46277.	1.3	5
130	Development of disperse dyes polypropylene fiber and process parameter optimization, Part II: Dyeable polypropylene fiber production and melt spinning process parameter optimization. <i>Textile Research Journal</i> , 2018, 88, 1505-1516.	1.1	5
131	Development of multifunctional warming fabric part II: Multi-quality process parameter optimization of hygroscopic heating and antistatic function yarn. <i>Textile Research Journal</i> , 2019, 89, 3900-3915.	1.1	5
132	Hot-melt pressure-sensitive adhesive for seamless bonding of nylon fabric Part II: Process parameter optimization for seamless bonding of nylon fabric. <i>Textile Research Journal</i> , 2019, 89, 2294-2304.	1.1	5
133	Preparation of boron nitride nanosheets using a chemical exfoliation method as a thermal conductive filler for the development of silicone thermal composites Part I: effect of single- and hybrid-filler additions on the silicone composite performance. <i>Textile Research Journal</i> , 2020, 90, 666-684.	1.1	5
134	Optimization of the water-based polyurethane with acrylate terminal process in nylon fabrics application using the Taguchi-based gray relational analysis method. <i>Textile Research Journal</i> , 2021, 91, 1197-1210.	1.1	5
135	Quantitative laryngoscopy with computer-aided diagnostic system for laryngeal lesions. <i>Scientific Reports</i> , 2021, 11, 10147.	1.6	5
136	Discretization and computer simulation of a rotating Euler-Bernoulli beam. <i>Mathematics and Computers in Simulation</i> , 2000, 52, 121-135.	2.4	4
137	Stochastic Control of Card Output Density. <i>Textile Research Journal</i> , 2001, 71, 195-200.	1.1	4
138	Analytical research on intellectual control of yarning characteristics for cotton collocation and rotor spinning. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 32, 764-773.	1.5	4
139	Dynamic Modeling and Control of a Beat-Up Mechanism. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 367-375.	1.9	4
140	Dynamic modeling of dry non-woven fabric roller carding and control of web density uniformity. I. Precisely industrial controller design. <i>Fibers and Polymers</i> , 2009, 10, 102-107.	1.1	4
141	Automatic control of the roller carding machine part II: a study on the application of a sliding mode controller on the roller carding machine. <i>Textile Research Journal</i> , 2012, 82, 1765-1773.	1.1	4
142	Application of the Taguchi Method in Analyzing the Impact of Modified Gemini Surfactants on TiO ₂ Nano-Suspension. <i>Journal of Surfactants and Detergents</i> , 2012, 15, 471-476.	1.0	4
143	In Vivo Automatic and Quantitative Measurement of Adult Human Larynx and Vocal Fold Images. <i>Journal of Voice</i> , 2023, 37, 764-771.	0.6	4
144	Control System Design for Stability and Precise Positioning of Atomic Force Microscopy Probe. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 849-861.	1.9	3

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145	Dynamic modeling and control of a padder roller system. <i>Fibers and Polymers</i> , 2007, 8, 520-528.	1.1	3
146	Dynamic modeling and control of pressure dyeing machine's running roller system. <i>Fibers and Polymers</i> , 2008, 9, 615-624.	1.1	3
147	Intelligence control of on-line dynamic gray cloth inspecting machine system module design. I. Tension controller design. <i>Fibers and Polymers</i> , 2009, 10, 394-402.	1.1	3
148	Application of a fuzzy neural network to control the diameter and evenness of melt-spun yarns. <i>Textile Research Journal</i> , 2015, 85, 458-468.	1.1	3
149	Development of a warming multi-functional fabric Part I: The analytic hierarchy process combined with the technique for order preference by similarity to an ideal solution for the optimization of the multi-quality melt spinning parameters in far-infrared functional yarn. <i>Textile Research Journal</i> , 2019, 89, 2247-2259.	1.1	3
150	Applied image processing techniques in video laryngoscope for occult tumor detection. <i>Biomedical Signal Processing and Control</i> , 2020, 55, 101633.	3.5	3
151	A study of optimum processing parameters and abnormal parameter identification of the twin-screw co-rotating extruder mixing process based on the distribution and dispersion properties for SiO ₂ /low-density polyethylene nano-composites. <i>Textile Research Journal</i> , 2020, 90, 1102-1117.	1.1	3
152	Process development of water-based polyurethane with acrylate terminal group under water vapor permeability and water repellency for nylon fabric. <i>Textile Research Journal</i> , 2021, 91, 570-579.	1.1	3
153	Functional dyeable polypropylene fabric development and process parameter optimization Part I: Dyeable modified polypropylene development with process parameter optimization. <i>Textile Research Journal</i> , 2021, 91, 1509-1522.	1.1	3
154	Fully Automatic Segmentation, Identification and Preoperative Planning for Nasal Surgery of Sinuses Using Semi-Supervised Learning and Volumetric Reconstruction. <i>Mathematics</i> , 2022, 10, 1189.	1.1	3
155	Dynamic Control of a Cross-Lapper. <i>Textile Research Journal</i> , 2003, 73, 64-68.	1.1	2
156	The Construction and Analysis of Prediction Model in Combining Taguchi Method and Neural Network to the Dying Process. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 1063-1071.	1.9	2
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