

# 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	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
2	Development of a real-time machine vision system for functional textile fabric defect detection using a deep YOLOv4 model. <i>Textile Research Journal</i> , 2022, 92, 675-690.	1.1	28
3	Quantitative Measurement of Adult Human Larynx post General Anesthesia with Intubation. <i>International Journal of Medical Sciences</i> , 2022, 19, 425-433.	1.1	2
4	Quantitative Measurement of Throat and Larynx After Endotracheal Intubation for Palatoplasty. <i>Frontiers in Medicine</i> , 2022, 9, 745755.	1.2	1
5	Semi-Supervised Deep Learning Semantic Segmentation for 3D Volumetric Computed Tomographic Scoring of Chronic Rhinosinusitis: Clinical Correlations and Comparison with Lund-Mackay Scoring. <i>Tomography</i> , 2022, 8, 718-729.	0.8	6
6	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
7	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
8	Synthesis of novel CuNb <sub>2</sub> O <sub>6</sub> /g-C <sub>3</sub> N <sub>4</sub> 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
9	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
10	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
11	Performance enhancement study of Ag@ SiO <sub>2</sub> core-shell nanoplate plasmonic hybrid spectral splitting nanofluid based photovoltaic thermal system in a temperate region. <i>International Journal of Energy Research</i> , 2022, 46, 15008-15026.	2.2	2
12	Development of a real-time home textile fabric defect inspection machine system for the textile industry. <i>Textile Research Journal</i> , 2022, 92, 4778-4788.	1.1	6
13	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
14	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
15	Integration of multivariate control charts and decision tree classifier to determine the faults of the quality characteristic(s) of a melt spinning machine used in polypropylene as-spun fiber manufacturing Part I: The application of the Taguchi method and principal component analysis in the processing parameter optimization of the melt spinning process. <i>Textile Research Journal</i> , 2021, 91, 1815-1828.	1.1	2
16	Complete fully automatic segmentation and 3-dimensional measurement of mediastinal lymph nodes for a new response evaluation criteria for solid tumors. <i>Biocybernetics and Biomedical Engineering</i> , 2021, 41, 617-635.	3.3	2
17	Integration of multivariate control charts and the decision tree classifier to determine the faults of the quality characteristic(s) of a melt spinning machine used in polypropylene fiber manufacturing. Part II: The application of multivariate control charts and the decision tree classifier to determine the faults of quality characteristic(s). <i>Textile Research Journal</i> , 2021, 91, 2567-2580.	1.1	1
18	Quantitative laryngoscopy with computer-aided diagnostic system for laryngeal lesions. <i>Scientific Reports</i> , 2021, 11, 10147.	1.6	5

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19	An integrated curvature surface inspection and prediction system for 5-axis synchronization machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 115, 3873-3886.	1.5	1
20	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
21	Highly-efficient and salt-resistant CsxWO <sub>3</sub> @g-C <sub>3</sub> N <sub>4</sub> /PVDF fiber membranes for interfacial water evaporation, desalination, and sewage treatment. <i>Composites Science and Technology</i> , 2021, 211, 108865.	3.8	40
22	Development of an adaptive template for fast detection of lithographic patterns of light-emitting diode chips. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 117, 3297-3321.	1.5	2
23	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
24	Magnetic recyclable self-floating solar light-driven WO <sub>2.72</sub> /Fe <sub>3</sub> O <sub>4</sub> 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
25	Novel multifunctional RbxWO <sub>3</sub> @Fe <sub>3</sub> O <sub>4</sub> immobilized Janus membranes for desalination and synergic-photocatalytic water purification. <i>Desalination</i> , 2021, 517, 115256.	4.0	51
26	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
27	Applied image processing techniques in video laryngoscope for occult tumor detection. <i>Biomedical Signal Processing and Control</i> , 2020, 55, 101633.	3.5	3
28	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
29	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
30	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 <sub>2</sub> /low-density polyethylene nano-composites. <i>Textile Research Journal</i> , 2020, 90, 1102-1117.	1.1	3
31	Mechanistic understanding of the Sulfurized-Poly(acrylonitrile) cathode for lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2020, 26, 483-493.	9.5	99
32	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
33	Multi-axis synchronization machining effects on free-form surface with image processing. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 111, 1135-1146.	1.5	2
34	Highly efficient photocatalytic activity of Ag <sub>3</sub> VO <sub>4</sub> /WO <sub>2.72</sub> 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
35	Magnetically separable highly efficient full-spectrum light-driven WO <sub>2.72</sub> /Fe <sub>3</sub> O <sub>4</sub> 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
36	Laryngopharyngeal reflux image quantization and analysis of its severity. <i>Scientific Reports</i> , 2020, 10, 10975.	1.6	10

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37	Preparation of boron nitride nanosheets using a chemical exfoliation method as a thermal conductive filler for the development of silicone thermal pads: Part II: Optimization of process parameter design on the development of a silicone thermal pad. Textile Research Journal, 2020, 90, 1891-1905.	1.1	2
38	<p>Quantitative Morphometric Measurements of the Oropharynx in Obstructive Sleep Apnea Syndrome Using a Laser Depth Measurement Module</p>. Nature and Science of Sleep, 2020, Volume 12, 1181-1190.	1.4	1
39	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. Textile Research Journal, 2019, 89, 2247-2259.	1.1	3
40	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
41	Development of multifunctional warming fabric part II: Multi-quality process parameter optimization of hygroscopic heating and antistatic function yarn. Textile Research Journal, 2019, 89, 3900-3915.	1.1	5
42	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
43	Synthesis of acrylic hot-melt adhesive based on poly(methyl methacrylate)-<i>b</i>-poly(2-ethylhexyl) Tj ETQq1 1 0.784314 rgBT /Overl Textile Research Journal, 2019, 89, 5177-5186.	1.1	1
44	A bifacial photovoltaic thermal system design with parameter optimization and performance beneficial validation. Applied Energy, 2019, 247, 335-349.	5.1	16
45	A study of optimization parameters for the development of ultraviolet cured low-acid optically clear adhesive. Textile Research Journal, 2019, 89, 3987-3996.	1.1	2
46	Gaussian probability bi&#x2013;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
47	Hot-melt pressure-sensitive adhesive for seamless bonding of nylon fabric Part II: Process parameter optimization for seamless bonding of nylon fabric. Textile Research Journal, 2019, 89, 2294-2304.	1.1	5
48	Fabrication of a thermally conductive silicone composite by incorporating surface-modified boron nitride. Textile Research Journal, 2019, 89, 2637-2647.	1.1	6
49	The photovoltaic-thermal system parameter optimization design and practical verification. Energy Conversion and Management, 2019, 180, 358-371.	4.4	39
50	Research and development of a composite with transparent polypropylene fiber part II: multi-quality optimization parameter design for high impact resistance of polypropylene/enhanced by rubber segment-styrene ethylene/butylene styrene composites. Textile Research Journal, 2019, 89, 2850-2858.	1.1	1
51	Automatic marking point positioning of printed circuit boards based on template matching technique. Journal of Intelligent Manufacturing, 2019, 30, 671-685.	4.4	12
52	Research and development of a composite with transparent polypropene fiber Part I: a study of combining the Taguchi method with the analytic hierarchy process for masterbatch modification and toughening to enhance characteristics. Textile Research Journal, 2019, 89, 389-400.	1.1	2
53	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
54	Automated optical inspection system for surface mount device light emitting diodes. Journal of Intelligent Manufacturing, 2019, 30, 641-655.	4.4	28

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55	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
56	Low corrosion optically clear adhesives for conducting glass: I. Effects of diethylacrylamide and acrylic acid mixtures on optically clear adhesives. Journal of Applied Polymer Science, 2018, 135, 46277.	1.3	5
57	Synthesis of high-solid-content, acrylic pressure-sensitive adhesives by solvent polymerization. Journal of Applied Polymer Science, 2018, 135, 46257.	1.3	7
58	Analyze the energy consumption characteristics and affecting factors of Taiwan's convenience stores-using the big data mining approach. Energy and Buildings, 2018, 168, 120-136.	3.1	39
59	Development of disperse dye polypropylene fiber and process parameter optimization Part I: development of dyeable polypropylene fiber and parameter optimization. Textile Research Journal, 2018, 88, 3-13.	1.1	6
60	Development of disperse dyes polypropylene fiber and process parameter optimization, Part II: Dyeable polypropylene fiber production and melt spinning process parameter optimization. Textile Research Journal, 2018, 88, 1505-1516.	1.1	5
61	Integrating image processing and classification technology into automated polarizing film defect inspection. Optics and Lasers in Engineering, 2018, 104, 204-219.	2.0	20
62	Optimizing parameters for continuous electrospinning of polyacrylonitrile nanofibrous yarn using the Taguchi method. Journal of Industrial Textiles, 2018, 48, 559-579.	1.1	20
63	A study of multi-quality processing parameter optimization for sueded fabric. Textile Research Journal, 2017, 87, 389-398.	1.1	7
64	Optimization and practical verification of system configuration parameter design for a photovoltaic thermal system combined with a reflector. Journal of Intelligent Manufacturing, 2017, 28, 1017-1029.	4.4	5
65	Application of robust color composite fringe in flip-chip solder bump 3-D measurement. Optics and Lasers in Engineering, 2017, 91, 261-269.	2.0	2
66	Evaluation of intelligent green building policies in Taiwan " Using fuzzy analytic hierarchical process and fuzzy transformation matrix. Energy and Buildings, 2017, 139, 146-159.	3.1	22
67	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. Journal of Power Sources, 2017, 353, 298-311.	4.0	71
68	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
69	Dynamic modeling and entity validation of a photovoltaic system. Applied Energy, 2017, 200, 370-382.	5.1	11
70	Automatic and quantitative measurement of laryngeal video stroboscopic images. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 48-57.	1.0	1
71	Image database of printed fabric with repeating dot patterns part (I) " image archiving. Textile Research Journal, 2017, 87, 2089-2105.	1.1	8
72	Dual-Confining Sulfur in Hybrid Nanostructured Materials for Enhancement of Lithium-Sulfur Battery Cathode Capacity Retention. ChemElectroChem, 2017, 4, 636-647.	1.7	31

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73	Automated defect inspection system for CMOS image sensor with micro multi-layer non-spherical lens module. Journal of Manufacturing Systems, 2017, 45, 248-259.	7.6	21
74	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
75	Highly Efficient Near Infrared Photothermal Conversion Properties of Reduced Tungsten Oxide/Polyurethane Nanocomposites. Nanomaterials, 2017, 7, 191.	1.9	47
76	The preparation of organic light-emitting diode encapsulation barrier layer by low-temperature plasma-enhanced chemical vapor deposition: a study on the $\text{SiO}_x\text{N}_y$ film parameter optimization. Journal of Intelligent Manufacturing, 2016, 27, 581-593.	4.4	8
77	Hybrid nanostructured microporous carbon-mesoporous carbon doped titanium dioxide/sulfur composite positive electrode materials for rechargeable lithium-sulfur batteries. Journal of Power Sources, 2016, 324, 239-252.	4.0	57
78	Analysis of intelligent green building policy and developing status in Taiwan. Energy Policy, 2016, 95, 291-303.	4.2	49
79	The optimization of the surface-enhanced Raman scattering for quantitative analysis and detection of molecules. Textile Research Journal, 2016, 86, 1474-1486.	1.1	1
80	Nano composite fiber process optimization for polypropylene with antibacterial and far-infrared ray emission properties. Textile Research Journal, 2016, 86, 1677-1687.	1.1	23
81	Inspection of appearance defects for polarizing films by image processing and neural networks. Textile Research Journal, 2016, 86, 1565-1573.	1.1	6
82	Applying innovative stripes adaptive detection to three-dimensional measurement of color fringe profilometry. Optics Communications, 2016, 381, 116-126.	1.0	2
83	Three-dimensional reconstruction of trachea using computed tomography imaging as therapy for tracheal stenosis in infants. Computer Methods and Programs in Biomedicine, 2016, 132, 177-187.	2.6	11
84	A study of automated color, shape and texture analysis of Tatami embroidery fabrics. Textile Research Journal, 2016, 86, 1791-1802.	1.1	10
85	A novel image processing technology for recognizing the weave of fabrics. Textile Research Journal, 2016, 86, 288-301.	1.1	11
86	Image inspection of knitted fabric defects using wavelet packets. Textile Research Journal, 2016, 86, 553-560.	1.1	11
87	A study on the recognition and classification of embroidered textile defects in manufacturing. Textile Research Journal, 2016, 86, 393-408.	1.1	16
88	Application of a fuzzy neural network to control the diameter and evenness of melt-spun yarns. Textile Research Journal, 2015, 85, 458-468.	1.1	3
89	Automated inspection of micro-defect recognition system for color filter. Optics and Lasers in Engineering, 2015, 70, 6-17.	2.0	7
90	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 Research Journal, 2015, 85, 687-700.	1.1	6

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91	Study on the synthesis and application of silicone resin containing phenyl group. Journal of Sol-Gel Science and Technology, 2015, 76, 66-73.	1.1	20
92	Process Parameter Optimization of Scanning Probe Lithography for Anodic Oxidation of Nanowire. Materials and Manufacturing Processes, 2015, 30, 669-676.	2.7	1
93	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
94	Optimization of injection-molded light guide plate with microstructures by using reciprocal comparisons. Journal of Intelligent Manufacturing, 2015, 26, 677-690.	4.4	11
95	Optimization process parameters of multiple quality characteristics for polyoxymethylene/glass fiber composite material. Fibers and Polymers, 2014, 15, 2597-2606.	1.1	6
96	Recognition of fault process parameters for diameter uniformity variation in melt spinning. Fibers and Polymers, 2014, 15, 2525-2534.	1.1	0
97	Silicone resin synthesized by tetraethoxysilane and chlorotrimethylsilane through hydrolysis&quot;condensation reaction. Journal of Applied Polymer Science, 2014, 131, .	1.3	17
98	Optimal injection parameters for multiple qualities in poly lactic acid/nano mica composites. Textile Reseach Journal, 2014, 84, 1489-1505.	1.1	6
99	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
100	A homography fringe generation method of fringe projection profilometry technology. Optics and Lasers in Engineering, 2014, 56, 28-34.	2.0	10
101	Automatic inspection system of LED chip using two-stages back-propagation neural network. Journal of Intelligent Manufacturing, 2014, 25, 1235-1243.	4.4	48
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	Recognition of fault process conditions based on spinline tension in melt spinning. Textile Reseach Journal, 2014, 84, 1549-1557.	1.1	5
104	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
105	Automatic defect inspection system of colour filters using Taguchi-based neural network. International Journal of Production Research, 2013, 51, 1464-1476.	4.9	35
106	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
107	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
108	A study on blending polyethylene terephthalate with titanium dioxide particles in melt spinning process parameter optimization. Textile Reseach Journal, 2013, 83, 813-826.	1.1	12

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109	Quality and uniformity control of fiber web by roller card system. Part II: Design and validation of a roller card control system. <i>Textile Research Journal</i> , 2013, 83, 947-960.	1.1	1
110	The application of principal component analysis and gray relational method in the optimization of the melt spinning process using the cooling air system. <i>Textile Research Journal</i> , 2013, 83, 371-380.	1.1	7
111	DYNAMIC STABILITY ANALYSIS AND VIBRATION CONTROL OF A ROTATING ELASTIC BEAM CONNECTED WITH AN END MASS. <i>International Journal of Structural Stability and Dynamics</i> , 2013, 13, 1250066.	1.5	9
112	Quality and uniformity control of fiber web by roller card system. Part I: dynamic modeling formulation and experimental identification. <i>Textile Research Journal</i> , 2013, 83, 761-770.	1.1	1
113	Automatic machine embroidery image color analysis system, part II: Application of the genetic algorithm in search of a repetitive pattern image. <i>Textile Research Journal</i> , 2012, 82, 1099-1106.	1.1	12
114	A study of processing parameters in open-end spinning process for organic cotton (Ne 24). <i>Textile Research Journal</i> , 2012, 82, 1560-1568.	1.1	6
115	Automatic detection system for printed fabric defects. <i>Textile Research Journal</i> , 2012, 82, 591-601.	1.1	13
116	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
117	Automatic machine embroidery image color analysis system, part III: Integration of machine embroidery image color analysis system. <i>Textile Research Journal</i> , 2012, 82, 2090-2098.	1.1	6
118	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
119	Dynamic modeling and control of an atomic force microscope probe measurement system. <i>JVC/Journal of Vibration and Control</i> , 2012, 18, 101-116.	1.5	7
120	Automatic control of roller carding machine. Part I: Modeling and validation of roller carding machine. <i>Textile Research Journal</i> , 2012, 82, 3-10.	1.1	6
121	Application of the Taguchi Method in Analyzing the Impact of Modified Gemini Surfactants on $\text{TiO}_2$ Nano- $\text{Si}$ Suspension. <i>Journal of Surfactants and Detergents</i> , 2012, 15, 471-476.	1.0	4
122	Analysis of processing parameters in fabrication of Fresnel lens solar collector. <i>Energy Conversion and Management</i> , 2012, 57, 33-41.	4.4	11
123	Multi-objective optimization of laser-scribed micro grooves on AZO conductive thin film using Data Envelopment Analysis. <i>Optics and Laser Technology</i> , 2012, 44, 1959-1970.	2.2	8
124	Optimization Parameters of Femtosecond Laser Isolation Processing for a Microcrystalline Silicon Thin Film Solar Cell. <i>Materials and Manufacturing Processes</i> , 2011, 26, 1310-1318.	2.7	6
125	Scratch direction and threshold force in nanoscale scratching using atomic force microscopes. <i>Applied Surface Science</i> , 2011, 257, 9243-9250.	3.1	41
126	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



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127	Using the Taguchi method and grey relational analysis to optimize the flat-plate collector process with multiple quality characteristics in solar energy collector manufacturing. Energy, 2011, 36, 3554-3562.	4.5	88
128	Application of an LM-neural network for establishing a prediction system of quality characteristics for the LGP manufactured by CO2 laser. Optics and Laser Technology, 2011, 43, 529-536.	2.2	16
129	Active damping vibration and compensating deflection in the processing-roll system. Textile Research Journal, 2011, 81, 2125-2138.	1.1	0
130	Application of wavelet transform in optical thin film defect automatic inspection system. , 2011, , .		0
131	Pattern-making simulation on embroidery using probabilistic neural network and texture fitting method. Textile Research Journal, 2011, 81, 2082-2094.	1.1	6
132	Multi-Objective Optimization of Thermo-Ultrasonic Flip-Chip Bonding Process for High-Brightness Light Emitting Diodes. Journal of Electronic Packaging, Transactions of the ASME, 2010, 132, .	1.2	1
133	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
134	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
135	Research and Development of Intelligent On-Line Real-time Defect Inspection System for Polymer Polarizer. Polymer-Plastics Technology and Engineering, 2009, 48, 185-192.	1.9	11
136	Dynamic modeling of dry non-woven fabric roller carding and control of web density uniformity. I. Precisely industrial controller design. Fibers and Polymers, 2009, 10, 102-107.	1.1	4
137	Quality control of card web uniformity for a vertical-type cross-lapper machine. I. Dynamic system modeling and industrial controller design. Fibers and Polymers, 2009, 10, 361-366.	1.1	0
138	Intelligence control of on-line dynamic gray cloth inspecting machine system module design. I. Tension controller design. Fibers and Polymers, 2009, 10, 394-402.	1.1	3
139	The high response and high efficiency velocity control of a hydraulic injection molding machine using a variable rotational speed electro-hydraulic pump-controlled system. International Journal of Advanced Manufacturing Technology, 2009, 43, 841-851.	1.5	50
140	Carriage speed control of a cross-lapper system for nonwoven web quality. Fibers and Polymers, 2008, 9, 495-502.	1.1	2
141	Dynamic modeling and control of pressure dyeing machine's running roller system. Fibers and Polymers, 2008, 9, 615-624.	1.1	3
142	Automatic color separating system for printed fabric using the self-organizing map network approach. Fibers and Polymers, 2008, 9, 708-714.	1.1	5
143	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
144	Implementation and Analysis of the Calender Stitch Sensing and Control. Polymer-Plastics Technology and Engineering, 2008, 47, 293-298.	1.9	1

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145	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
146	Dynamic Modeling and Control of a Beat-Up Mechanism. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 367-375.	1.9	4
147	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
148	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
149	Construction and Analysis in Combining the Taguchi Method and the Back Propagation Neural Network in the PEEK Injection Molding Process. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 841-848.	1.9	9
150	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
151	Optimisation of Precision Injection Moulding Processing Parameters and Implementation of Quality Prediction System for LCD Light Guide Plate. <i>Polymers and Polymer Composites</i> , 2007, 15, 17-28.	1.0	8
152	Self-organizing map network for automatically recognizing color texture fabric nature. <i>Fibers and Polymers</i> , 2007, 8, 174-180.	1.1	18
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