

Yi Li

List of Publications by Year in descending order

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299
papers

10,670
citations

28190

55
h-index

54797

84
g-index

322
all docs

322
docs citations

322
times ranked

10025
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial effect of surgical masks coated with nanoparticles. <i>Journal of Hospital Infection</i> , 2006, 62, 58-63.	1.4	487
2	Effects of wearing N95 and surgical facemasks on heart rate, thermal stress and subjective sensations. <i>International Archives of Occupational and Environmental Health</i> , 2005, 78, 501-509.	1.1	279
3	Silk Fibroin-Based Nanoparticles for Drug Delivery. <i>International Journal of Molecular Sciences</i> , 2015, 16, 4880-4903.	1.8	230
4	Moisture Management Tester: A Method to Characterize Fabric Liquid Moisture Management Properties. <i>Textile Research Journal</i> , 2005, 75, 57-62.	1.1	222
5	An experimental study of convective heat transfer with microencapsulated phase change material suspension: Laminar flow in a circular tube under constant heat flux. <i>Experimental Thermal and Fluid Science</i> , 2008, 32, 1638-1646.	1.5	203
6	Polyelectrolyte-Bridged Metal/Cotton Hierarchical Structures for Highly Durable Conductive Yarns. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 529-535.	4.0	184
7	Heat and moisture transfer with sorption and condensation in porous clothing assemblies and numerical simulation. <i>International Journal of Heat and Mass Transfer</i> , 2000, 43, 2989-3000.	2.5	158
8	A PDMS microfluidic impedance immunosensor for E. coli O157:H7 and Staphylococcus aureus detection via antibody-immobilized nanoporous membrane. <i>Sensors and Actuators B: Chemical</i> , 2011, 159, 328-335.	4.0	154
9	Flow and heat transfer behaviors of phase change material slurries in a horizontal circular tube. <i>International Journal of Heat and Mass Transfer</i> , 2007, 50, 2480-2491.	2.5	139
10	Silk-Based Biomaterials in Biomedical Textiles and Fiber-Based Implants. <i>Advanced Healthcare Materials</i> , 2015, 4, 1134-1151.	3.9	130
11	In vivo protective performance of N95 respirator and surgical facemask. <i>American Journal of Industrial Medicine</i> , 2006, 49, 1056-1065.	1.0	122
12	Efficient removal of pathogenic bacteria and viruses by multifunctional amine-modified magnetic nanoparticles. <i>Journal of Hazardous Materials</i> , 2014, 274, 115-123.	6.5	117
13	One-Step Modification of Fabrics with Bioinspired Polydopamine@Octadecylamine Nanocapsules for Robust and Healable Self-Cleaning Performance. <i>Small</i> , 2015, 11, 426-431.	5.2	117
14	Functionalized Fiber-Based Strain Sensors: Pathway to Next-Generation Wearable Electronics. <i>Nano-Micro Letters</i> , 2022, 14, 61.	14.4	113
15	Thermal stability of composite phase change material microcapsules incorporated with silver nano-particles. <i>Polymer</i> , 2007, 48, 3317-3323.	1.8	112
16	Ultrasensitive detection of E. coli O157:H7 with biofunctional magnetic bead concentration via nanoporous membrane based electrochemical immunosensor. <i>Biosensors and Bioelectronics</i> , 2013, 41, 532-537.	5.3	110
17	Perceptions of temperature, moisture and comfort in clothing during environmental transients. <i>Ergonomics</i> , 2005, 48, 234-248.	1.1	108
18	Numerical Simulation of 3D Dynamic Garment Pressure. <i>Textile Research Journal</i> , 2002, 72, 245-252.	1.1	102

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19	A Two-Stage Sorption Model of the Coupled Diffusion of Moisture and Heat in Wool Fabrics. <i>Textile Reseach Journal</i> , 1992, 62, 211-217.	1.1	101
20	Formation of curcumin nanoparticles via solution-enhanced dispersion by supercritical CO ₂ . <i>International Journal of Nanomedicine</i> , 2015, 10, 3171.	3.3	97
21	Highly Breathable and Stretchable Strain Sensors with Insensitive Response to Pressure and Bending. <i>Advanced Functional Materials</i> , 2021, 31, 2007622.	7.8	96
22	An improved test method for characterizing the dynamic liquid moisture transfer in porous polymeric materials. <i>Polymer Testing</i> , 2006, 25, 677-689.	2.3	95
23	Assessing the performance of textiles incorporating phase change materials. <i>Polymer Testing</i> , 2004, 23, 541-549.	2.3	94
24	Simultaneous Heat and Moisture Transfer with Moisture Sorption, Condensation, and Capillary Liquid Diffusion in Porous Textiles. <i>Textile Reseach Journal</i> , 2003, 73, 515-524.	1.1	92
25	Effect of sock on biomechanical responses of foot during walking. <i>Clinical Biomechanics</i> , 2006, 21, 314-321.	0.5	90
26	Effect of phase-change material on energy consumption of intelligent thermal-protective clothing. <i>Polymer Testing</i> , 2006, 25, 580-587.	2.3	90
27	Heat transfer of microencapsulated PCM slurry flow in a circular tube. <i>AIChE Journal</i> , 2008, 54, 1110-1120.	1.8	87
28	Carbon footprint reduction in the textile process chain: Recycling of textile materials. <i>Fibers and Polymers</i> , 2012, 13, 1065-1070.	1.1	86
29	Nano-curcumin prepared via supercritical: Improved anti-bacterial, anti-oxidant and anti-cancer efficacy. <i>International Journal of Pharmaceutics</i> , 2015, 496, 732-740.	2.6	86
30	Mathematical Simulation of Heat and Moisture Transfer in a Human-Clothing-Environment System. <i>Textile Reseach Journal</i> , 1998, 68, 389-397.	1.1	85
31	Influence of Thickness and Porosity on Coupled Heat and Liquid Moisture Transfer in Porous Textiles. <i>Textile Reseach Journal</i> , 2002, 72, 435-446.	1.1	83
32	Coolmax/graphene-oxide functionalized textile humidity sensor with ultrafast response for human activities monitoring. <i>Chemical Engineering Journal</i> , 2021, 412, 128639.	6.6	83
33	Neural Network Predictions of Human Psychological Perceptions of Clothing Sensory Comfort. <i>Textile Reseach Journal</i> , 2003, 73, 31-37.	1.1	81
34	Isolation and characterization of biofunctional keratin particles extracted from wool wastes. <i>Powder Technology</i> , 2013, 246, 356-362.	2.1	80
35	Quantification of environmental impact and ecological sustainability for textile fibres. <i>Ecological Indicators</i> , 2012, 13, 66-74.	2.6	79
36	Carbon footprint of shopping (grocery) bags in China, Hong Kong and India. <i>Atmospheric Environment</i> , 2011, 45, 469-475.	1.9	78

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37	Hierarchical Porous Poly(l-lactic acid) Nanofibrous Membrane for Ultrafine Particulate Aerosol Filtration. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46261-46268.	4.0	77
38	An Improved Mathematical Simulation of the Coupled Diffusion of Moisture and Heat in Wool Fabric. <i>Textile Reseach Journal</i> , 1999, 69, 760-768.	1.1	76
39	Effects of graduated compression stockings with different pressure profiles on lower-limb venous structures and haemodynamics. <i>Advances in Therapy</i> , 2008, 25, 465-478.	1.3	75
40	Chitosan/polyglycolic acid nerve grafts for axon regeneration from prolonged axotomized neurons to chronically denervated segments. <i>Biomaterials</i> , 2009, 30, 5004-5018.	5.7	72
41	Preparation and biodegradation of electrospun PLLA/keratin nonwoven fibrous membrane. <i>Polymer Degradation and Stability</i> , 2009, 94, 1800-1807.	2.7	72
42	Fabricating Superhydrophilic Wool Fabrics. <i>Langmuir</i> , 2010, 26, 4675-4679.	1.6	71
43	A MODEL OF COUPLED LIQUID MOISTURE AND HEAT TRANSFER IN POROUS TEXTILES WITH CONSIDERATION OF GRAVITY. <i>Numerical Heat Transfer; Part A: Applications</i> , 2003, 43, 501-523.	1.2	70
44	A Model of Heat and Moisture Transfer in Porous Textiles with Phase Change Materials. <i>Textile Reseach Journal</i> , 2004, 74, 447-457.	1.1	68
45	Microencapsulation of puerarin nanoparticles by poly(l-lactide) in a supercritical CO ₂ process. <i>Acta Biomaterialia</i> , 2009, 5, 2913-2919.	4.1	67
46	A one-step method to fabricate PLLA scaffolds with deposition of bioactive hydroxyapatite and collagen using ice-based microporogens. <i>Acta Biomaterialia</i> , 2010, 6, 2013-2019.	4.1	67
47	Human Action Recognition Using Deep Learning Methods on Limited Sensory Data. <i>IEEE Sensors Journal</i> , 2020, 20, 3101-3112.	2.4	63
48	Photothermal therapy of Lewis lung carcinoma in mice using gold nanoshells on carboxylated polystyrene spheres. <i>Nanotechnology</i> , 2008, 19, 455101.	1.3	62
49	Objective Evaluation of Skin Pressure Distribution of Graduated Elastic Compression Stockings. <i>Dermatologic Surgery</i> , 2005, 31, 615-624.	0.4	61
50	Surface-Grafted Polymer-Assisted Electroless Deposition of Metals for Flexible and Stretchable Electronics. <i>Chemistry - an Asian Journal</i> , 2012, 7, 862-870.	1.7	61
51	Moisture-Resilient Graphene-Dyed Wool Fabric for Strain Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13265-13274.	4.0	60
52	Predicting Clothing Sensory Comfort with Artificial Intelligence Hybrid Models. <i>Textile Reseach Journal</i> , 2004, 74, 13-19.	1.1	59
53	A 5-fluorouracil-loaded polydioxanone weft-knitted stent for the treatment of colorectal cancer. <i>Biomaterials</i> , 2013, 34, 9451-9461.	5.7	59
54	Physical Mechanisms of Moisture Diffusion into Hygroscopic Fabrics during Humidity Transients. <i>Journal of the Textile Institute</i> , 2000, 91, 302-316.	1.0	57

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55	Effectiveness of maternity support belts in reducing low back pain during pregnancy: a review. <i>Journal of Clinical Nursing</i> , 2009, 18, 1523-1532.	1.4	57
56	Moisture Buffering Behavior of Hygroscopic Fabric During Wear. <i>Textile Research Journal</i> , 1992, 62, 619-627.	1.1	54
57	Wicking in twisted yarns. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 134-139.	5.0	54
58	Programming nanostructures of polymer brushes by dip-pen nanodisplacement lithography (DNL). <i>Nanoscale</i> , 2010, 2, 2614.	2.8	54
59	Fabrication of silk fibroin nanoparticles for controlled drug delivery. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	54
60	An implantable and controlled drug-release silk fibroin nanofibrous matrix to advance the treatment of solid tumour cancers. <i>Biomaterials</i> , 2016, 103, 33-43.	5.7	54
61	Application of organic nonsolvent in the process of solution-enhanced dispersion by supercritical CO ₂ to prepare puerarin fine particles. <i>Journal of Supercritical Fluids</i> , 2009, 49, 394-402.	1.6	52
62	A Nature-inspired, Flexible Substrate Strategy for Future Wearable Electronics. <i>Small</i> , 2019, 15, e1902440.	5.2	52
63	A microfluidic chip with poly(ethylene glycol) hydrogel microarray on nanoporous alumina membrane for cell patterning and drug testing. <i>Sensors and Actuators B: Chemical</i> , 2010, 143, 776-783.	4.0	51
64	Fabrication Techniques for Manufacturing Flexible Coils on Textiles for Inductive Power Transfer. <i>IEEE Sensors Journal</i> , 2018, 18, 2599-2606.	2.4	51
65	A highly sensitive stretchable strain sensor based on multi-functionalized fabric for respiration monitoring and identification. <i>Chemical Engineering Journal</i> , 2021, 426, 130869.	6.6	51
66	A fractal model for the coupled heat and mass transfer in porous fibrous media. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 1400-1409.	2.5	50
67	Environment and body contamination: A comparison of two different removal methods in three types of personal protective clothing. <i>American Journal of Infection Control</i> , 2014, 42, e39-e45.	1.1	49
68	A fuzzy neural network model for predicting clothing thermal comfort. <i>Computers and Mathematics With Applications</i> , 2007, 53, 1840-1846.	1.4	48
69	Strategy to introduce an hydroxyapatite-keratin nanocomposite into a fibrous membrane for bone tissue engineering. <i>Journal of Materials Chemistry B</i> , 2013, 1, 432-437.	2.9	48
70	Mathematical Simulation of the Perception of Fabric Thermal and Moisture Sensations. <i>Textile Research Journal</i> , 2002, 72, 327-334.	1.1	47
71	Novel infrared radiation properties of cotton fabric coated with nano Zn/ZnO particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 300, 140-144.	2.3	47
72	A simultaneous measurement method to characterize touch properties of textile materials. <i>Fibers and Polymers</i> , 2014, 15, 1548-1559.	1.1	47

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73	Permeable graphited hemp fabrics-based, wearing-comfortable pressure sensors for monitoring human activities. <i>Chemical Engineering Journal</i> , 2021, 403, 126191.	6.6	47
74	Fabric Touch Tester: Integrated evaluation of thermal-mechanical sensory properties of polymeric materials. <i>Polymer Testing</i> , 2006, 25, 1081-1090.	2.3	46
75	Fiber Hygroscopicity and Perceptions of Dampness. <i>Textile Reseach Journal</i> , 1995, 65, 316-324.	1.1	45
76	Is double-gloving really protective? A comparison between the glove perforation rate among perioperative nurses with single and double gloves during surgery. <i>American Journal of Surgery</i> , 2012, 204, 210-215.	0.9	44
77	Modifying the Mechanical Properties of Silk Fiber by Genetically Disrupting the Ionic Environment for Silk Formation. <i>Biomacromolecules</i> , 2015, 16, 3119-3125.	2.6	44
78	The development of anti-heat stress clothing for construction workers in hot and humid weather. <i>Ergonomics</i> , 2016, 59, 479-495.	1.1	44
79	A three-dimensional biomechanical model for numerical simulation of dynamic pressure functional performances of graduated compression stocking (GCS). <i>Fibers and Polymers</i> , 2006, 7, 389-397.	1.1	43
80	Development of Fe ₃ O ₄ -poly(l-lactide) magnetic microparticles in supercritical CO ₂ . <i>Journal of Colloid and Interface Science</i> , 2009, 330, 317-322.	5.0	43
81	Biodegradable weft-knitted intestinal stents: Fabrication and physical changes investigation <i>in vitro</i> degradation. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 982-990.	2.1	43
82	Paclitaxel-loaded PLGA microspheres with a novel morphology to facilitate drug delivery and antitumor efficiency. <i>RSC Advances</i> , 2018, 8, 3274-3285.	1.7	43
83	Cotton Fabric Strength Loss from Treatment with Polycarboxylic Acids for Durable Press Performance. <i>Textile Reseach Journal</i> , 2000, 70, 957-961.	1.1	42
84	P-smart a virtual system for clothing thermal functional design. <i>CAD Computer Aided Design</i> , 2006, 38, 726-739.	1.4	42
85	Textile embroidered wearable near-field communication RFID antennas. <i>IET Microwaves, Antennas and Propagation</i> , 2019, 13, 99-104.	0.7	42
86	Influence of Fabric Mechanical Property on Clothing Dynamic Pressure Distribution and Pressure Comfort on Tight-Fit Sportswear. <i>Journal of Fiber Science and Technology</i> , 2004, 60, 293-299.	0.0	41
87	Recyclability Potential Index (RPI): The concept and quantification of RPI for textile fibres. <i>Ecological Indicators</i> , 2012, 18, 58-62.	2.6	41
88	Mussel-Inspired Flexible, Durable, and Conductive Fibers Manufacturing for Finger-Monitoring Sensors. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801547.	1.9	41
89	Effects of pore size distribution and fiber diameter on the coupled heat and liquid moisture transfer in porous textiles. <i>International Journal of Heat and Mass Transfer</i> , 2003, 46, 5099-5111.	2.5	40
90	Implantable nerve guidance conduits: Material combinations, multi-functional strategies and advanced engineering innovations. <i>Bioactive Materials</i> , 2022, 11, 57-76.	8.6	39

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91	Supercritical carbon dioxide-developed silk fibroin nanoplatfrom for smart colon cancer therapy. International Journal of Nanomedicine, 2017, Volume 12, 7751-7761.	3.3	38
92	An explicit series solution of the squeezing flow between two infinite plates by means of the homotopy analysis method. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 119-132.	1.7	37
93	Improvement of wrinkle-resistant treatment by nanotechnology. Journal of the Textile Institute, 2009, 100, 173-180.	1.0	37
94	Twisted graphene fibre based breathable, wetttable and washable anti-jamming strain sensor for underwater motion sensing. Chemical Engineering Journal, 2022, 439, 135502.	6.6	37
95	Generation of Silk Fibroin Nanoparticles via Solution-Enhanced Dispersion by Supercritical CO ₂ . Industrial & Engineering Chemistry Research, 2013, 52, 3752-3761.	1.8	36
96	Design of an Ultrasensitive Flexible Bend Sensor Using a Silver-Doped Oriented Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 1359-1367.	4.0	36
97	Fabric Bagging. Textile Reseach Journal, 1999, 69, 511-518.	1.1	35
98	Porous nerve guidance conduits reinforced with braided composite structures of silk/magnesium filaments for peripheral nerve repair. Acta Biomaterialia, 2021, 134, 116-130.	4.1	35
99	Covalently immobilized biomolecule gradient on hydrogel surface using a gradient generating microfluidic device for a quantitative mesenchymal stem cell study. Biomicrofluidics, 2012, 6, 024111.	1.2	34
100	Deformationâ€Resilient Embroidered Near Field Communication Antenna and Energy Harvesters for Wearable Applications. Advanced Intelligent Systems, 2019, 1, 1900056.	3.3	34
101	Preparation and Characterization of Quantum Dots Coated Magnetic Hollow Spheres for Magnetic Fluorescent Multimodal Imaging and Drug Delivery. Journal of Nanoscience and Nanotechnology, 2009, 9, 2540-2545.	0.9	33
102	NUMERICAL SIMULATION OF COUPLED HEAT AND MASS TRANSFER IN HYGROSCOPIC POROUS MATERIALS CONSIDERING THE INFLUENCE OF ATMOSPHERIC PRESSURE. Numerical Heat Transfer, Part B: Fundamentals, 2004, 45, 249-262.	0.6	32
103	Fabrication and degradation of poly(l-lactic acid) scaffolds with wool keratin. Composites Part B: Engineering, 2009, 40, 664-667.	5.9	32
104	Body measurements of Chinese males in dynamic postures and application. Applied Ergonomics, 2011, 42, 900-912.	1.7	32
105	Factors affecting horticultural and cleaning workers' preference onÂcooling vests. Building and Environment, 2013, 66, 181-189.	3.0	32
106	A Biodegradable Stent with Surface Functionalization of Combinedâ€Therapy Drugs for Colorectal Cancer. Advanced Healthcare Materials, 2018, 7, e1801213.	3.9	32
107	Simulating Anisotropic Woven Fabric Deformation with a New Particle Model. Textile Reseach Journal, 2003, 73, 1091-1099.	1.1	31
108	A 3D Biomechanical Model for Numerical Simulation of Dynamic Mechanical Interactions of Bra and Breast during Wear. Journal of Fiber Science and Technology, 2003, 59, 12-21.	0.0	31

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109	Solubility enhancement of curcumin via supercritical CO ₂ based silk fibroin carrier. Journal of Supercritical Fluids, 2015, 103, 1-9.	1.6	30
110	Developing a hybrid cooling vest for combating heat stress in the construction industry. Textile Reseach Journal, 2019, 89, 254-269.	1.1	30
111	Mathematical Simulation of Fabric Bagging. Textile Reseach Journal, 2000, 70, 18-28.	1.1	29
112	Numerical simulation of virus diffusion in facemask during breathing cycles. International Journal of Heat and Mass Transfer, 2005, 48, 4229-4242.	2.5	29
113	Objective Evaluation of Skin Pressure Distribution of Graduated Elastic Compression Stockings. Dermatologic Surgery, 2005, 31, 615-624.	0.4	29
114	Porous nanostructured poly-l-lactide scaffolds prepared by phase inversion using supercritical CO ₂ as a nonsolvent in the presence of ammonium bicarbonate particles. Journal of Supercritical Fluids, 2013, 77, 110-116.	1.6	29
115	Quantitative assessment of relationship between pressure performances and material mechanical properties of medical graduated compression stockings. Journal of Applied Polymer Science, 2007, 104, 601-610.	1.3	28
116	Development of silk fibroin modified poly(l-lactide)-poly(ethylene glycol)-poly(l-lactide) nanoparticles in supercritical CO ₂ . Powder Technology, 2014, 268, 118-125.	2.1	28
117	Mechanism of Anticancer Effects of Antimicrobial Peptides. Journal of Fiber Bioengineering and Informatics, 2015, 8, 25-36.	0.2	28
118	Skin pressure profiles and variations with body postural changes beneath medical elastic compression stockings. International Journal of Dermatology, 2007, 46, 514-523.	0.5	27
119	A CAD system for multi-style thermal functional design of clothing. CAD Computer Aided Design, 2008, 40, 916-930.	1.4	27
120	Development of core-shell microcapsules by a novel supercritical CO ₂ process. Journal of Materials Science: Materials in Medicine, 2009, 20, 751-758.	1.7	27
121	A multi-disciplinary strategy for computer-aided clothing thermal engineering design. CAD Computer Aided Design, 2011, 43, 1854-1869.	1.4	27
122	Synthesis and characterization of wool keratin/hydroxyapatite nanocomposite. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 896-902.	1.6	27
123	Radiation and conduction heat transfer coupled with liquid water transfer, moisture sorption, and condensation in porous polymer materials. Journal of Applied Polymer Science, 2003, 89, 2780-2790.	1.3	26
124	High-throughput single-cell analysis of exosome mediated dual drug delivery, <i>in vivo</i> fate and synergistic tumor therapy. Nanoscale, 2020, 12, 13742-13756.	2.8	26
125	Recent Progress in Tissue Engineering and Regenerative Medicine. Journal of Biomaterials and Tissue Engineering, 2016, 6, 755-766.	0.0	26
126	Viscoelastic Behavior of Fibers During Woven Fabric Bagging. Textile Reseach Journal, 2000, 70, 751-757.	1.1	25

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127	Effects of material properties and fabric structure characteristics of graduated compression stockings (GCS) on the skin pressure distributions. <i>Fibers and Polymers</i> , 2005, 6, 322-331.	1.1	25
128	Transmission of communicable respiratory infections and facemasks. <i>Journal of Multidisciplinary Healthcare</i> , 2008, 1, 17.	1.1	25
129	Sequential delivery of dual drugs with nanostructured lipid carriers for improving synergistic tumor treatment effect. <i>Drug Delivery</i> , 2020, 27, 983-995.	2.5	25
130	Fabric Bagging. <i>Textile Reseach Journal</i> , 1999, 69, 598-606.	1.1	24
131	Crosslinking Analysis of Polycarboxylic Acid Durable Press Finishing of Cotton Fabrics and Strength Retention Improvement. <i>Textile Reseach Journal</i> , 2000, 70, 588-592.	1.1	24
132	Fabric-bagging: Stress Distribution in Isotropic and Anisotropic Fabrics. <i>Journal of the Textile Institute</i> , 2000, 91, 563-576.	1.0	24
133	Relationship between thermophysiological responses and psychological thermal perception during exercise wearing aerobic wear. <i>Journal of Thermal Biology</i> , 2004, 29, 791-796.	1.1	24
134	Effective personal protective clothing for health care workers attending patients with severe acute respiratory syndrome. <i>American Journal of Infection Control</i> , 2004, 32, 90-96.	1.1	24
135	A continuous RESS process to prepare PLA-PEG-PLA microparticles. <i>Journal of Supercritical Fluids</i> , 2011, 59, 92-97.	1.6	24
136	Smart moisture management and thermoregulation properties of stimuli-responsive cotton modified with polymer brushes. <i>RSC Advances</i> , 2014, 4, 63691-63695.	1.7	23
137	The physical mechanisms of the perception of dampness in fabrics. <i>Journal of Thermal Biology</i> , 1993, 18, 417-419.	1.1	22
138	Enhancement of Coolness to the Touch by Hygroscopic Fibers. <i>Textile Reseach Journal</i> , 1996, 66, 587-594.	1.1	22
139	Comparison of hand contamination rates and environmental contamination levels between two different glove removal methods and distances. <i>American Journal of Infection Control</i> , 2011, 39, 104-111.	1.1	22
140	Composite Membranes of Recombinant Silkworm Antimicrobial Peptide and Poly (L-lactic Acid) (PLLA) for biomedical application. <i>Scientific Reports</i> , 2016, 6, 31149.	1.6	22
141	Flexible strain sensing percolation networks towards complicated wearable microclimate and multi-direction mechanical inputs. <i>Nano Energy</i> , 2022, 99, 107444.	8.2	22
142	Predictability Between Objective Physical Factors of Fabrics and Subjective Preference Votes for Derived Garments. <i>Journal of the Textile Institute</i> , 1991, 82, 277-284.	1.0	21
143	Evaluating and Predicting Fabric Bagging with Image Processing. <i>Textile Reseach Journal</i> , 2002, 72, 693-700.	1.1	21
144	Numerical Heat Transfer Coupled with Multidimensional Liquid Moisture Diffusion in Porous Textiles with a Measurable-Parameterized Model. <i>Numerical Heat Transfer; Part A: Applications</i> , 2009, 56, 246-268.	1.2	21

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145	Durable, Washable, and Flexible Conductive PET Fabrics Designed by Fiber Interfacial Molecular Engineering. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1383-1389.	1.7	21
146	Durable and Washable Antibacterial Copper Nanoparticles Bridged by Surface Grafting Polymer Brushes on Cotton and Polymeric Materials. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-7.	1.5	21
147	Polymer Interface Molecular Engineering for E-Textiles. <i>Polymers</i> , 2018, 10, 573.	2.0	21
148	Numerical simulation of the transient heat and liquid moisture transfer through porous textiles with consideration of electric double layer. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 1417-1425.	2.5	20
149	Antibacterial Properties of Nanosilver PLLA Fibrous Membranes. <i>Journal of Nanomaterials</i> , 2009, 2009, 1-5.	1.5	19
150	A Critical Review on Life Cycle Assessment Studies of Diapers. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 1795-1822.	6.6	19
151	Development of silk fibroin-derived nanofibrous drug delivery system in supercritical CO ₂ . <i>Materials Letters</i> , 2016, 167, 175-178.	1.3	19
152	High strength and strain alginate fibers by a novel wheel spinning technique for knitting stretchable and biocompatible wound-care materials. <i>Materials Science and Engineering C</i> , 2021, 127, 112204.	3.8	19
153	Comfort evaluation of maternity support garments in a wear trial. <i>Ergonomics</i> , 2008, 51, 1376-1393.	1.1	18
154	Physiological responses and psychological sensations in wearer trials with knitted sportswear. <i>Ergonomics</i> , 1988, 31, 1709-1721.	1.1	17
155	Mathematical Modelling of the Coolness to Touch of Hygroscopic Fabrics. <i>Journal of the Textile Institute</i> , 1993, 84, 267-274.	1.0	17
156	The Application of the Volumetric Subdivision Scheme in the Simulation of Elastic Human Body Deformation and Garment Pressure. <i>Textile Research Journal</i> , 2005, 75, 591-597.	1.1	17
157	Garment needs of pregnant women based on content analysis of in-depth interviews. <i>Journal of Clinical Nursing</i> , 2009, 18, 2426-2435.	1.4	17
158	Textile Based Embroidery-Friendly RFID Antenna Design Techniques. , 2019, , .		17
159	Characterization and Modeling of Embroidered NFC Coil Antennas for Wearable Applications. <i>IEEE Sensors Journal</i> , 2020, 20, 14501-14513.	2.4	17
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