

Ning Pan

List of Publications by Year in descending order

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189
papers

10,076
citations

44042

48
h-index

40954

93
g-index

210
all docs

210
docs citations

210
times ranked

10425
citing authors

#	ARTICLE	IF	CITATIONS
1	Supercapacitors Performance Evaluation. <i>Advanced Energy Materials</i> , 2015, 5, 1401401.	10.2	1,090
2	Predictions of effective physical properties of complex multiphase materials. <i>Materials Science and Engineering Reports</i> , 2008, 63, 1-30.	14.8	558
3	Mesoscopic predictions of the effective thermal conductivity for microscale random porous media. <i>Physical Review E</i> , 2007, 75, 036702.	0.8	394
4	Studying the mechanisms of titanium dioxide as ultraviolet-blocking additive for films and fabrics by an improved scheme. <i>Journal of Applied Polymer Science</i> , 2004, 92, 3201-3210.	1.3	377
5	High power density supercapacitor electrodes of carbon nanotube films by electrophoretic deposition. <i>Nanotechnology</i> , 2006, 17, 5314-5318.	1.3	344
6	Supercapacitors using carbon nanotubes films by electrophoretic deposition. <i>Journal of Power Sources</i> , 2006, 160, 1487-1494.	4.0	268
7	High power density supercapacitors using locally aligned carbon nanotube electrodes. <i>Nanotechnology</i> , 2005, 16, 350-353.	1.3	265
8	Modeling and prediction of the effective thermal conductivity of random open-cell porous foams. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 1325-1331.	2.5	225
9	High energy density supercapacitors from lignin derived submicron activated carbon fibers in aqueous electrolytes. <i>Journal of Power Sources</i> , 2014, 270, 106-112.	4.0	211
10	Supercapacitive Iontronic Nanofabric Sensing. <i>Advanced Materials</i> , 2017, 29, 1700253.	11.1	187
11	Optimization principles for convective heat transfer. <i>Energy</i> , 2009, 34, 1199-1206.	4.5	181
12	Thermal conductivity enhancement of carbon fiber composites. <i>Applied Thermal Engineering</i> , 2009, 29, 418-421.	3.0	174
13	KOH modified graphene nanosheets for supercapacitor electrodes. <i>Journal of Power Sources</i> , 2011, 196, 6003-6006.	4.0	173
14	Lattice Boltzmann modeling of the effective thermal conductivity for fibrous materials. <i>International Journal of Thermal Sciences</i> , 2007, 46, 848-855.	2.6	153
15	Vascular mimetics based on microfluidics for imaging the leukocyte endothelial inflammatory response. <i>Lab on A Chip</i> , 2007, 7, 448-456.	3.1	121
16	Graphene based supercapacitor fabricated by vacuum filtration deposition. <i>Journal of Power Sources</i> , 2012, 206, 476-482.	4.0	118
17	Influence of fabric structure and thickness on the ballistic impact behavior of Ultrahigh molecular weight polyethylene composite laminate. <i>Materials & Design</i> , 2014, 54, 315-322.	5.1	114
18	Highly sensitive wearable 3D piezoresistive pressure sensors based on graphene coated isotropic non-woven substrate. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 117, 202-210.	3.8	105

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19	A comparative study on low-velocity impact response of fabric composite laminates. <i>Materials & Design</i> , 2013, 50, 750-756.	5.1	104
20	A Modified Analysis of the Microstructural Characteristics of General Fiber Assemblies. <i>Textile Reseach Journal</i> , 1993, 63, 336-345.	1.1	103
21	Experimental Methods for Measuring Fabric Mechanical Properties: A Review and Analysis. <i>Textile Reseach Journal</i> , 1999, 69, 866-875.	1.1	101
22	Preparation and preliminary property study of carbon nanotubes films by electrophoretic deposition. <i>Materials Letters</i> , 2002, 57, 434-438.	1.3	98
23	Thermo-electro-hydrodynamic model for electrospinning process. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2004, 5, .	0.4	96
24	Textiles and Human Skin, Microclimate, Cutaneous Reactions: An Overview. <i>Cutaneous and Ocular Toxicology</i> , 2006, 25, 23-39.	0.5	95
25	Weibull analysis of the tensile behavior of fibers with geometrical irregularities. <i>Journal of Materials Science</i> , 2002, 37, 1401-1406.	1.7	89
26	Development of a Constitutive Theory for Short Fiber Yarns: Mechanics of Staple Yarn Without Slippage Effect. <i>Textile Reseach Journal</i> , 1992, 62, 749-765.	1.1	85
27	All-Optical Iontronic Sensing Paper. <i>Advanced Functional Materials</i> , 2019, 29, 1807343.	7.8	85
28	A new approach to analysis and optimization of evaporative cooling system I: Theory. <i>Energy</i> , 2010, 35, 2448-2454.	4.5	83
29	Mesoscopic simulations of phase distribution effects on the effective thermal conductivity of microgranular porous media. <i>Journal of Colloid and Interface Science</i> , 2007, 311, 562-570.	5.0	77
30	An alternative criterion in heat transfer optimization. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2011, 467, 1012-1028.	1.0	77
31	Three-dimensional effect on the effective thermal conductivity of porous media. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 260-265.	1.3	75
32	Nanoporous polystyrene fibers functionalized by polyethyleneimine for enhanced formaldehyde sensing. <i>Sensors and Actuators B: Chemical</i> , 2011, 152, 316-323.	4.0	75
33	CVD growth of carbon nanotubes directly on nickel substrate. <i>Materials Letters</i> , 2005, 59, 1678-1682.	1.3	71
34	Theoretical determination of the optimal fiber volume fraction and fiber-matrix property compatibility of short fiber composites. <i>Polymer Composites</i> , 1993, 14, 85-93.	2.3	67
35	Electrokinetic pumping effects of charged porous media in microchannels using the lattice Poisson-Boltzmann method. <i>Journal of Colloid and Interface Science</i> , 2006, 304, 246-253.	5.0	67
36	An Alternative Approach to the Objective Measurement of Fabrics. <i>Textile Reseach Journal</i> , 1993, 63, 33-43.	1.1	66

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37	Analysis of woven fabric strengths: Prediction of fabric strength under uniaxial and biaxial extensions. <i>Composites Science and Technology</i> , 1996, 56, 311-327.	3.8	66
38	On the Poisson's ratios of a woven fabric. <i>Composite Structures</i> , 2005, 68, 505-510.	3.1	65
39	A new approach to analysis and optimization of evaporative cooling system II: Applications. <i>Energy</i> , 2011, 36, 2890-2898.	4.5	63
40	Physical Interpretations of Curves Obtained through the Fabric Extraction Process for Handle Measurement. <i>Textile Research Journal</i> , 1992, 62, 279-290.	1.1	61
41	Relationship Between Fiber and Yarn Strength. <i>Textile Research Journal</i> , 2001, 71, 960-964.	1.1	61
42	Micromechanics of braided composites via multivariable FEM. <i>Computers and Structures</i> , 2003, 81, 2021-2027.	2.4	60
43	Numerical analyses of effective dielectric constant of multiphase microporous media. <i>Journal of Applied Physics</i> , 2007, 101, 114102.	1.1	60
44	Smart medical stocking using memory polymer for chronic venous disorders. <i>Biomaterials</i> , 2016, 75, 174-181.	5.7	55
45	Structure-tunable graphene oxide fibers via microfluidic spinning route for multifunctional textiles. <i>Carbon</i> , 2019, 152, 106-113.	5.4	52
46	Investigation into the gelation and crystallization of polyacrylonitrile. <i>European Polymer Journal</i> , 2009, 45, 1617-1624.	2.6	51
47	Analytical Characterization of the Anisotropy and Local Heterogeneity of Short Fiber Composites: Fiber Fraction as a Variable. <i>Journal of Composite Materials</i> , 1994, 28, 1500-1531.	1.2	50
48	Prediction of statistical strengths of twisted fibre structures. <i>Journal of Materials Science</i> , 1993, 28, 6107-6114.	1.7	49
49	Investigating the spinnability in the dry-jet wet spinning of PAN precursor fiber. <i>Journal of Applied Polymer Science</i> , 2008, 110, 1997-2000.	1.3	49
50	A review on novel activation strategy on carbonaceous materials with special morphology/texture for electrochemical storage. <i>Journal of Energy Chemistry</i> , 2021, 60, 572-590.	7.1	49
51	Gelation behavior of polyacrylonitrile solution in relation to aging process and gel concentration. <i>Polymer</i> , 2008, 49, 5676-5682.	1.8	48
52	Capstan equation including bending rigidity and non-linear frictional behavior. <i>Mechanism and Machine Theory</i> , 2008, 43, 661-675.	2.7	48
53	Micromechanics of a Planar Hybrid Fibrous Network. <i>Textile Research Journal</i> , 1997, 67, 907-925.	1.1	47
54	Development of a Constitutive Theory for Short Fiber Yarns Part II: Mechanics of Staple Yarn With Slippage Effect. <i>Textile Research Journal</i> , 1993, 63, 504-514.	1.1	46

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55	Behavior of Yarn Pullout from Woven Fabrics: Theoretical and Experimental. <i>Textile Reseach Journal</i> , 1993, 63, 629-637.	1.1	43
56	Thermodynamic study of a water–dimethylformamide–polyacrylonitrile ternary system. <i>Journal of Applied Polymer Science</i> , 2008, 110, 3439-3447.	1.3	43
57	Carbon nanotube thin films with ordered structures. <i>Journal of Materials Chemistry</i> , 2005, 15, 548.	6.7	42
58	A Nonlinear Dynamic Model for Two-Strand Yarn Spinning. <i>Textile Reseach Journal</i> , 2005, 75, 181-184.	1.1	40
59	Elastic property of multiphase composites with random microstructures. <i>Journal of Computational Physics</i> , 2009, 228, 5978-5988.	1.9	40
60	The Elastic Constants of Randomly Oriented Fiber Composites: A New Approach to Prediction. <i>Science and Engineering of Composite Materials</i> , 1996, 5, .	0.6	39
61	Mechanical Properties of Fabric Woven from Yarns Produced by Different Spinning Technologies: Yarn Failure in Woven Fabric. <i>Textile Reseach Journal</i> , 1993, 63, 123-134.	1.1	38
62	Physical properties of twisted structures. II. Industrial yarns, cords, and ropes. <i>Journal of Applied Polymer Science</i> , 2002, 83, 610-630.	1.3	37
63	Thermogravimetry–mass spectrometry on the pyrolysis process of Lyocell fibers with and without catalyst. <i>Carbohydrate Polymers</i> , 2008, 72, 222-228.	5.1	37
64	Generalized capstan problem: Bending rigidity, nonlinear friction, and extensibility effect. <i>Tribology International</i> , 2008, 41, 524-534.	3.0	37
65	Design and optimization of core/shell structures as highly efficient opacifiers for silica aerogels as high-temperature thermal insulation. <i>International Journal of Thermal Sciences</i> , 2018, 133, 206-215.	2.6	37
66	A comparison of optimization theories for energy conservation in heat exchanger groups. <i>Science Bulletin</i> , 2011, 56, 449-454.	1.7	36
67	KOH activated carbon/graphene nanosheets composites as high performance electrode materials in supercapacitors. <i>RSC Advances</i> , 2014, 4, 48758-48764.	1.7	36
68	MECHANICAL PROPERTIES OF GELLAN AND POLYACRYLAMIDE GELS WITH IMPLICATIONS FOR SOIL STABILIZATION. <i>Soil Science</i> , 2000, 165, 778-792.	0.9	36
69	Shear deformation analysis for woven fabrics. <i>Composite Structures</i> , 2005, 67, 317-322.	3.1	34
70	Microstructure and finite element analysis of 3D five-directional braided composites. <i>Journal of Reinforced Plastics and Composites</i> , 2012, 31, 107-115.	1.6	34
71	Thermo-Insulating Properties of Perpendicular-Laid Versus Cross-Laid Lofty Nonwoven Fabrics. <i>Textile Reseach Journal</i> , 2000, 70, 121-128.	1.1	33
72	Gelation of polyacrylonitrile in a mixed solvent: scaling and fractal analysis. <i>Soft Matter</i> , 2009, 5, 4297.	1.2	32

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73	Study on intra/inter-ply shear deformation of three dimensional woven preforms for composite materials. <i>Materials & Design</i> , 2013, 49, 151-159.	5.1	32
74	Fabrication and characterization of low-cost and green vacuum insulation panels with fumed silica/rice husk ash hybrid core material. <i>Materials and Design</i> , 2016, 107, 440-449.	3.3	32
75	Quasistatic model for two-strand yarn spinning. <i>Mechanics Research Communications</i> , 2005, 32, 197-200.	1.0	30
76	Electron spin resonance on carbon nanotubes-polymer composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 3406-3412.	2.4	30
77	Preparation and comparison of two electrodes for supercapacitors: Pani/CNT/Ni and Pani/Alizarinâ€treated nickel. <i>Journal of Applied Polymer Science</i> , 2009, 113, 1070-1081.	1.3	30
78	Mechanical and electrical properties of the PA6/SWNTs nanofiber yarn by electrospinning. <i>Polymer Engineering and Science</i> , 2014, 54, 1618-1624.	1.5	30
79	Thermo-physical properties of polyester fiber reinforced fumed silica/hollow glass microsphere composite core and resulted vacuum insulation panel. <i>Energy and Buildings</i> , 2016, 125, 298-309.	3.1	30
80	Preparation of carbon nanotubes composite sheet using electrophoretic deposition process. <i>Journal of Materials Science Letters</i> , 2002, 21, 565-568.	0.5	29
81	Three-dimensionally intercrossing Mn ₃ O ₄ nanowires. <i>Acta Materialia</i> , 2008, 56, 3516-3522.	3.8	29
82	Exploring the significance of structural hierarchy in material systemsâ€”A review. <i>Applied Physics Reviews</i> , 2014, 1, 021302.	5.5	29
83	Effective gas diffusion coefficient in fibrous materials by mesoscopic modeling. <i>International Journal of Heat and Mass Transfer</i> , 2017, 107, 736-746.	2.5	29
84	Comparing Dynamic and Static Methods for Measuring Thermal Conductive Properties of Textiles. <i>Textile Reseach Journal</i> , 1998, 68, 47-56.	1.1	28
85	Stochastic modelling of tear behaviour of coated fabrics. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2004, 12, 293-309.	0.8	28
86	Choosing the Impregnants by Thermogravimetric Analysis for Preparing Rayon-Based Carbon Fibers. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2005, 15, 261-267.	1.9	27
87	A smart orthopedic compression device based on a polymeric stress memory actuator. <i>Materials and Design</i> , 2016, 97, 222-229.	3.3	27
88	Numerical modeling of the gas-contributed thermal conductivity of aerogels. <i>International Journal of Heat and Mass Transfer</i> , 2019, 131, 217-225.	2.5	26
89	Development of a Constitutive Theory for Short Fiber Yams. <i>Textile Reseach Journal</i> , 1993, 63, 565-572.	1.1	24
90	Viscoelastic behavior of polyacrylonitrile/dimethyl sulfoxide concentrated solution with water. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 1437-1442.	2.4	24

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91	Wetting of a fiber bundle in fibrous structures. <i>Polymer Composites</i> , 2003, 24, 314-322.	2.3	23
92	Supercapacitor performance of crumpled and planar graphene materials produced by hydrogen gas reduction of graphene oxide. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7957.	5.2	23
93	Studying the Mechanical Properties of Blended Fibrous Structures Using a Simple Model. <i>Textile Reseach Journal</i> , 2000, 70, 502-507.	1.1	22
94	Skin friction blistering: computer model. <i>Skin Research and Technology</i> , 2007, 13, 310-316.	0.8	22
95	Investigation the jet stretch in PAN fiber dry- ϵ -jet wet spinning for PAN-DMSO-H ₂ O system. <i>Journal of Applied Polymer Science</i> , 2009, 114, 3621-3625.	1.3	22
96	Evaluation of high performance fabric under light irradiation. <i>Journal of Applied Polymer Science</i> , 2011, 120, 552-556.	1.3	22
97	GRAIN SIZE EFFECTS ON EFFECTIVE THERMAL CONDUCTIVITY OF POROUS MATERIALS WITH INTERNAL THERMAL CONTACT RESISTANCE. <i>Journal of Porous Media</i> , 2013, 16, 1043-1048.	1.0	22
98	Lattice Boltzmann Modeling of Thermal Conduction in Composites with Thermal Contact Resistance. <i>Communications in Computational Physics</i> , 2015, 17, 1037-1055.	0.7	22
99	Shape Memory Polyurethane-Based Smart Polymer Substrates for Physiologically Responsive, Dynamic Pressure (Re)Distribution. <i>ACS Omega</i> , 2019, 4, 15348-15358.	1.6	22
100	Structural Anisotropy, Failure Criterion, and Shear Strength of Woven Fabrics. <i>Textile Reseach Journal</i> , 1996, 66, 238-244.	1.1	21
101	Optimization Principle for Variable Viscosity Fluid Flow and Its Application to Heavy Oil Flow Drag Reduction. <i>Energy & Fuels</i> , 2009, 23, 4470-4478.	2.5	21
102	Compression behavior evaluation of single down fiber and down fiber assemblies. <i>Journal of the Textile Institute</i> , 2010, 101, 253-260.	1.0	21
103	Design and thermal insulation performance analysis of endothermic opacifiers doped silica aerogels. <i>International Journal of Thermal Sciences</i> , 2019, 145, 105995.	2.6	21
104	Active-powering pressure-sensing fabric devices. <i>Journal of Materials Chemistry A</i> , 2020, 8, 358-368.	5.2	21
105	Rheological study on thermal-induced gelation behavior of polyacrylonitrile solution. <i>Journal of Polymer Research</i> , 2009, 16, 341-350.	1.2	19
106	Stress memory materials and their fundamental platform. <i>Journal of Materials Chemistry A</i> , 2017, 5, 503-511.	5.2	19
107	A Stochastic Simulation of the Failure Process and Ultimate Strength of Blended Continuous Yarns. <i>Textile Reseach Journal</i> , 2000, 70, 415-430.	1.1	18
108	Variational model for ionomeric polymer-metal composite. <i>Polymer</i> , 2003, 44, 8195-8199.	1.8	18

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109	Transient Methods of Thermal Properties Measurement on Fibrous Materials. Journal of Heat Transfer, 2010, 132, .	1.2	18
110	Effects of layer stacking sequence on temperature response of multi-layer composite materials under dynamic conditions. Applied Thermal Engineering, 2012, 33-34, 219-226.	3.0	18
111	Feasibility of perspiration based infrared Camouflage. Applied Thermal Engineering, 2012, 36, 32-38.	3.0	18
112	The fine structure of bicomponent polyester fibers. Journal of Applied Polymer Science, 1999, 71, 1163-1173.	1.3	17
113	Grab and Strip Tensile Strengths for Woven Fabrics: An Experimental Verification. Textile Research Journal, 2005, 75, 789-796.	1.1	17
114	Durable visible light self-cleaning surfaces imparted by TiO ₂ /SiO ₂ /GO photocatalyst. Textile Research Journal, 2019, 89, 517-527.	1.1	17
115	An Oblique Fiber Bundle Test and Analysis. Textile Research Journal, 2000, 70, 671-674.	1.1	16
116	Transport properties of functionally graded materials. Journal of Applied Physics, 2007, 102, .	1.1	16
117	Effects of layering sequence on thermal response of multilayer fibrous materials: Unsteady-state cases. Experimental Thermal and Fluid Science, 2012, 41, 143-148.	1.5	16
118	Grip point spacing along the edges of an anisotropic fabric sheet in a biaxial tensile test. Polymer Composites, 1999, 20, 305-313.	2.3	15
119	Structural Modifications of Multiwalled Carbon Nanotubes by Swift Heavy Ions Irradiation. Journal of Nano Research, 0, 10, 1-9.	0.8	15
120	Skin thermal stimulation on touching cool fabric from the transient stage to steady-state stage. International Journal of Thermal Sciences, 2012, 53, 80-88.	2.6	15
121	Determination of sample size for step-wise transient thermal tests. Polymer Testing, 2009, 28, 307-314.	2.3	14
122	The influence of grayscale occurrence matrix variables on the textural features of wrinkled fabric surfaces. Journal of the Textile Institute, 2011, 102, 315-321.	1.0	14
123	Origin of tensile strength of a woven sample cut in bias directions. Royal Society Open Science, 2015, 2, 140499.	1.1	14
124	Theoretical Modeling and Analysis of Fiber-pull-out Behaviour from a Bonded Fibrous Matrix: The Elastic-bond Case. Journal of the Textile Institute, 1993, 84, 472-485.	1.0	13
125	Electroless synthesis of large scale Co-Zn-P nanowire arrays and the magnetic behaviour. Applied Surface Science, 2007, 253, 4546-4549.	3.1	13
126	Measuring the thermophysical properties of porous fibrous materials with a new unsteady-state method. Journal of Thermal Analysis and Calorimetry, 2012, 107, 395-405.	2.0	13

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127	Shear properties of three-dimensional woven composite reinforcements. <i>Polymer Composites</i> , 2017, 38, 244-251.	2.3	13
128	Automatic foot scanning and measurement based on multiple RGB-depth cameras. <i>Textile Research Journal</i> , 2018, 88, 167-181.	1.1	13
129	Developing a New Drafting System for Ring Spinning Machines. <i>Textile Research Journal</i> , 2000, 70, 154-160.	1.1	12
130	Shear Strength of Fibrous Sheets: An Experimental Investigation. <i>Textile Research Journal</i> , 1997, 67, 593-600.	1.1	11
131	Preparation of single-walled carbon nanotube reinforced magnesia films. <i>Nanotechnology</i> , 2004, 15, 227-231.	1.3	11
132	Mechanical characterization of the interfaces in laminated composites. <i>Composite Structures</i> , 2006, 74, 25-29.	3.1	11
133	Band structure in two-dimensional fiber-air phononic crystals. <i>Physica B: Condensed Matter</i> , 2011, 406, 963-966.	1.3	11
134	Variational principles for nonlinear fiber optics. <i>Chaos, Solitons and Fractals</i> , 2005, 24, 309-311.	2.5	11
135	Tension transmission via an elastic rod gripped by two circular-edged plates. <i>International Journal of Mechanical Sciences</i> , 2007, 49, 1095-1103.	3.6	10
136	Memory Bandage for Functional Compression Management for Venous Ulcers. <i>Fibers</i> , 2016, 4, 10.	1.8	10
137	Changing Yarn Hairiness During Winding—Analyzing the Trailing Fiber Ends. <i>Textile Research Journal</i> , 2004, 74, 905-913.	1.1	9
138	In vitro human topical bioactive drug transdermal absorption: estradiol. <i>Cutaneous and Ocular Toxicology</i> , 2009, 28, 171-175.	0.5	9
139	A study and a design criterion for multilayer-structure in perspiration based infrared camouflage. <i>Experimental Thermal and Fluid Science</i> , 2013, 46, 211-220.	1.5	9
140	Enhanced performance of carbon/carbon supercapacitors upon graphene addition. <i>Nanotechnology for Environmental Engineering</i> , 2017, 2, 1.	2.0	9
141	Effects of pressure-free steam ironing on cotton fabric surfaces and wrinkle recovery. <i>Textile Research Journal</i> , 2018, 88, 2532-2543.	1.1	9
142	Modeling the thermoviscoelasticity of transversely isotropic shape memory polymer composites. <i>Smart Materials and Structures</i> , 2020, 29, 025012.	1.8	9
143	Multi-dimensional effect on optimal network structure for fluid distribution. <i>Chemical Engineering and Processing: Process Intensification</i> , 2010, 49, 1038-1043.	1.8	8
144	Developing UV-protective cotton fabric based on SiO _x nanoparticles. <i>Fibers and Polymers</i> , 2012, 13, 489-494.	1.1	8

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145	Dynamic mechanical relaxations of electrospun poly(acrylonitrile-co-methyl acrylate) nanofibrous yarn. <i>Textile Reseach Journal</i> , 2017, 87, 2193-2203.	1.1	8
146	Steam impinging and heat and water spreading in fabrics. <i>Textile Reseach Journal</i> , 2019, 89, 1455-1471.	1.1	8
147	Unique Thermal Properties of Clothing Materials. <i>Global Challenges</i> , 2019, 3, 1800082.	1.8	8
148	A New Method for Measuring Fabric Drape with a Novel Parameter for Classifying Fabrics. <i>Fibers</i> , 2019, 7, 70.	1.8	8
149	A Detailed Examination of the Translation Efficiency of Fiber Strength into Composite Strength. <i>Journal of Reinforced Plastics and Composites</i> , 1995, 14, 2-28.	1.6	7
150	An EFE Model on Skin-Sleeve Interactions During Arm Rotation. <i>Journal of Biomechanical Engineering</i> , 2006, 128, 872-878.	0.6	7
151	Change of Yarn Hairiness during Winding Process: Analysis of the Protruding Fiber Ends. <i>Textile Reseach Journal</i> , 2006, 76, 71-77.	1.1	7
152	Water effect on the rheologic behavior of PAN solution during thermal-induced gelation process. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2279-2284.	1.6	7
153	The hybrid effects in hybrid fibre composites: experimental study using twisted fibrous structures. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 1998, 454, 1109-1127.	1.0	6
154	Relationship between scale effect and structure levels in fibrous structures. <i>Polymer Composites</i> , 2000, 21, 187-195.	2.3	6
155	Relationship Between Grab and Strip Tensile Strengths for Fabrics with Roughly Linear Mechanical Behavior. <i>Textile Reseach Journal</i> , 2003, 73, 165-171.	1.1	6
156	Fractal character forecast of down fiber assembly microstructure. <i>Journal of the Textile Institute</i> , 2009, 100, 539-544.	1.0	6
157	A more comprehensive transport model for multilayer-cloth for perspiration based infrared camouflage. <i>Applied Thermal Engineering</i> , 2014, 68, 10-19.	3.0	6
158	Foot shape prediction using elliptical Fourier analysis. <i>Textile Reseach Journal</i> , 2018, 88, 1026-1037.	1.1	6
159	Effect of Polyethylene Film Lamination on the Water Absorbency of Hydrophilic-finished Polypropylene Non-woven Fabric. <i>Fibers and Polymers</i> , 2019, 20, 1404-1410.	1.1	6
160	Paper Electronics: All-in-One Iontronic Sensing Paper (Adv. Funct. Mater. 11/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970072.	7.8	6
161	Blood flow fluctuation underneath human forearm skin caused by local thermal stimuli of different fabrics. <i>Journal of Thermal Biology</i> , 2010, 35, 372-377.	1.1	5
162	Intermolecular Interaction and Magnetic Coupling Mechanism of a Mononuclear Nickel(II) Complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1026-1031.	0.6	5

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163	A theoretical analysis of local thermal equilibrium in fibrous materials. <i>Thermal Science</i> , 2015, 19, 69-82.	0.5	5
164	A new technique to clean down and feather dust: Composition and resolution of down dust. <i>Textile Reseach Journal</i> , 2019, 89, 3080-3088.	1.1	5
165	Frictional Behavior of Synthetic Yarns During Processing. <i>Textile Reseach Journal</i> , 2003, 73, 1071-1078.	1.1	4
166	Thermal sensation at index finger while applying external pressure at upper arm. <i>Journal of Thermal Biology</i> , 2012, 37, 502-509.	1.1	4
167	Preparation and characterization of dense graphite/glassy carbon composite coating for sealing application. <i>Materials Research Express</i> , 2017, 4, 095601.	0.8	4
168	Wearable Sensors: Supercapacitive Iontronic Nanofabric Sensing (Adv. Mater. 36/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	4
169	Theoretical analysis and simulation of twist blockage and yarn tension in a dynamic twist-resistant device. <i>Textile Reseach Journal</i> , 2020, 90, 1741-1748.	1.1	4
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