

Gaoming Jiang

List of Publications by Year in descending order

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70
papers

686
citations

758635

12
h-index

676716

22
g-index

70
all docs

70
docs citations

70
times ranked

723
citing authors

#	ARTICLE	IF	CITATIONS
1	Textile Display for Electronic and Brain-Interfaced Communications. <i>Advanced Materials</i> , 2018, 30, e1800323.	11.1	145
2	Review on the knitted structures with auxetic effect. <i>Journal of the Textile Institute</i> , 2017, 108, 947-961.	1.0	47
3	Energy absorption property of warp-knitted spacer fabrics with negative Poisson's ratio under low velocity impact. <i>Composite Structures</i> , 2017, 182, 471-477.	3.1	31
4	Fabric defect detection algorithm using RDPSO-based optimal Gabor filter. <i>Journal of the Textile Institute</i> , 2019, 110, 487-495.	1.0	31
5	Human Motion Recognition of Knitted Flexible Sensor in Walking Cycle. <i>Sensors</i> , 2020, 20, 35.	2.1	26
6	3-D dynamic behaviors simulation of weft knitted fabric based on particle system. <i>Fibers and Polymers</i> , 2015, 16, 1812-1817.	1.1	23
7	Thermophysiological comfort properties of polyester weft-knitted fabrics for sports T-shirt. <i>Journal of the Textile Institute</i> , 2017, 108, 1421-1429.	1.0	21
8	Sound absorption properties of composite structure with activated carbon fiber felts. <i>Journal of the Textile Institute</i> , 2014, 105, 1100-1107.	1.0	19
9	Three-dimensional modeling and simulation of deformation behavior of fancy weft knitted stitch fabric. <i>Textile Research Journal</i> , 2017, 87, 1742-1751.	1.1	19
10	Evaluation of water absorption and transport properties of weft knitted polyester fabrics by spontaneous uptake water transport tester and conventional test methods. <i>Fibers and Polymers</i> , 2016, 17, 1287-1295.	1.1	16
11	Rapid Simulation of Flat Knitting Loops Based On the Yarn Texture and Loop Geometrical Model. <i>Autex Research Journal</i> , 2017, 17, 103-110.	0.6	15
12	Deformation and geometric modeling in three-dimensional simulation of fancy weft-knitted fabric. <i>Textile Research Journal</i> , 2020, 90, 1527-1536.	1.1	15
13	Surface Morphology Analysis of Knit Structure-Based Triboelectric Nanogenerator for Enhancing the Transfer Charge. <i>Nanoscale Research Letters</i> , 2020, 15, 181.	3.1	15
14	Research on finger movement sensing performance of conductive gloves. <i>Journal of Engineered Fibers and Fabrics</i> , 2019, 14, 155892501988762.	0.5	14
15	Tear properties and meso-scale mechanism of multi-axial warp-knitted fabric from various architectures: Studied by photography. <i>Fibers and Polymers</i> , 2013, 14, 1953-1963.	1.1	13
16	Intelligent segmentation of jacquard warp-knitted fabric using a multiresolution Markov random field with adaptive weighting in the wavelet domain. <i>Textile Research Journal</i> , 2014, 84, 28-39.	1.1	13
17	Low-velocity impact properties of composite reinforced by auxetic warp-knitted spacer fabric. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 1972-1986.	2.0	13
18	Effects of different parameters on acoustic properties of activated carbon fiber felts. <i>Journal of the Textile Institute</i> , 2014, 105, 392-397.	1.0	12

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19	Preparation and Performances of Warp-Knitted Hernia Repair Mesh Fabricated with Chitosan Fiber. <i>Polymers</i> , 2019, 11, 595.	2.0	12
20	Knitting Technologies And Tensile Properties Of A Novel Curved Flat-Knitted Three-Dimensional Spacer Fabrics. <i>Autex Research Journal</i> , 2015, 15, 191-197.	0.6	11
21	Computer-Aided Design Method of Warp-Knitted Jacquard Spacer Fabrics. <i>Autex Research Journal</i> , 2016, 16, 51-56.	0.6	10
22	A photograph-based approach for visual simulation of wrapped Jacquardtronic lace. <i>Textile Reseach Journal</i> , 2018, 88, 2654-2664.	1.1	10
23	Flat Knitting Loop Deformation Simulation Based on Interlacing Point Model. <i>Autex Research Journal</i> , 2017, 17, 361-369.	0.6	9
24	Content-based lace fabric image retrieval system using texture and shape features. <i>Journal of the Textile Institute</i> , 2019, 110, 911-915.	1.0	9
25	The influence of production parameters on sound absorption of activated carbon fiber felts. <i>Journal of the Textile Institute</i> , 2016, 107, 1144-1149.	1.0	7
26	Mechanical Properties of Polypropylene Warp-Knitted Hernia Repair Mesh with Different Pull Densities. <i>Polymers</i> , 2018, 10, 1322.	2.0	7
27	Effect of Stitch Characteristics on Flammability and Thermo-Physiological Comfort Properties of Knitted Fabrics. <i>Fibers and Polymers</i> , 2020, 21, 2652-2663.	1.1	7
28	Transverse impact characterization of carbon woven fabric-foam sandwich composites with carbon nanotubes. <i>Fibers and Polymers</i> , 2014, 15, 1560-1566.	1.1	6
29	Rapid Parametric Human Modeling in 3D Garment Simulation. <i>Autex Research Journal</i> , 2019, 19, 60-67.	0.6	6
30	Tension and tear behaviors of co-woven-knitted fabric with photograph investigation. <i>Fibers and Polymers</i> , 2014, 15, 382-389.	1.1	5
31	The Development of the Flat-Knitted Shaped Uppers based on Ergonomics. <i>Autex Research Journal</i> , 2016, 16, 67-74.	0.6	5
32	Experimental investigation on the quasi-static penetration behavior of curved multi-axial warp-knitted composites. <i>Fibers and Polymers</i> , 2016, 17, 1497-1504.	1.1	5
33	Design and manufacturing of warp-knitted filterable fabric with PET/PVDF fiber. <i>Journal of the Textile Institute</i> , 2017, 108, 2090-2095.	1.0	5
34	Development of whole garment formed on four-bed computerized flat knitting machine. <i>International Journal of Clothing Science and Technology</i> , 2018, 30, 320-331.	0.5	5
35	Modeling and realization for visual simulation of circular knitting transfer-jacquard fabric. <i>Textile Reseach Journal</i> , 0, , 004051752199449.	1.1	5
36	Preparation of Polypyrrole/Silver Conductive Polyester Fabric by UV Exposure. <i>Autex Research Journal</i> , 2021, 21, 231-237.	0.6	5

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37	Mechanical properties of co-woven-knitted fabric/epoxy composites incorporating carbon nanotubes. <i>Fibers and Polymers</i> , 2015, 16, 223-229.	1.1	4
38	Warp-Knitted Fabrics Simulation Using Cardinal Spline and Recursive Rotation Frame. <i>Journal of Engineered Fibers and Fabrics</i> , 2017, 12, 155892501701200.	0.5	4
39	Electrostatic and mechanical properties of extrusion spun PTFE monofilament with integration of microtourmaline particles. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46401.	1.3	4
40	Design Method of Circular Weft-Knitted Jacquard Fabric Based on Jacquard Module. <i>Autex Research Journal</i> , 2022, 22, 217-224.	0.6	4
41	Development and mechanical properties of three-dimensional flat-knitted fabrics with reinforcement yarns. <i>Journal of Industrial Textiles</i> , 0, , 152808372110460.	1.1	4
42	Parametric modeling of three-dimensional geometry of warp-knitted loop based on variation of process parameters. <i>Journal of the Textile Institute</i> , 2018, 109, 1193-1201.	1.0	3
43	Compression Property of Curved Three-dimensional Flat-knitted Spacer Fabric Composites under Quasi-static Loading. <i>Fibers and Polymers</i> , 2019, 20, 2002-2007.	1.1	3
44	Modeling and realization for appearance visualization of Textronic laces. <i>Textile Reseach Journal</i> , 2019, 89, 4526-4536.	1.1	3
45	Three-dimensional simulation of warp knitted structures based on geometric unit cell of loop yarns. <i>Textile Reseach Journal</i> , 2020, 90, 2639-2647.	1.1	3
46	Design of warp knitting electronic shogging system based on mixed-velocity planning curve. <i>Textile Reseach Journal</i> , 2021, 91, 1594-1608.	1.1	3
47	The knitting methods for seamless garments based on four-needle bed computerized flat machine. <i>Textile Reseach Journal</i> , 0, , 004051752110351.	1.1	3
48	3-D Simulation of Double-Bar Plush Fabrics with Jacquard Patterns. <i>Autex Research Journal</i> , 2018, 18, 243-250.	0.6	3
49	Warp-knitted Fabric Defect Segmentation Based on the Shearlet Transform. <i>Fibres and Textiles in Eastern Europe</i> , 2017, 25, 87-94.	0.2	3
50	Warp-knitted fabric defect segmentation based on non-subsampled Contourlet transform. <i>Journal of the Textile Institute</i> , 0, , 1-8.	1.0	2
51	Post-treatment and evaluation of polyester filament cotton-like fabric. <i>Fibers and Polymers</i> , 2016, 17, 1735-1740.	1.1	2
52	Preparation and performance as PEM of sulfonated pre-oxidized nanofiber/SPEEK composite membrane. <i>Fibers and Polymers</i> , 2017, 18, 1025-1030.	1.1	2
53	Filtration efficiency investigation of mesh fabrics by polytetrafluoroethylene filament with surface static electricity. <i>Journal of the Textile Institute</i> , 2019, 110, 451-459.	1.0	2
54	Effect of the dyeing process on thermal and dyeing properties of poly(butylene terephthalate) fibers. <i>Textile Reseach Journal</i> , 2021, 91, 580-588.	1.1	2

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55	Two-Stage Discrete Mechanical Model in Three-Dimensional Space for Garment Simulation. <i>Autex Research Journal</i> , 2019, 19, 26-35.	0.6	2
56	Design of Rascheltronic Vamp Fabric with Double-Colour Pitting Effect. <i>Fibres and Textiles in Eastern Europe</i> , 2017, 25, 92-97.	0.2	2
57	Sustainable Improvements for Customized Platform Effectiveness in Garment Production. <i>Autex Research Journal</i> , 2019, 19, 355-362.	0.6	2
58	The tensile properties of weft-knitted biaxial tubular fabrics and reinforced composites. <i>Textile Research Journal</i> , 2022, 92, 1611-1619.	1.1	2
59	Relationships between warp-knitted run-in value and process parameters. <i>Journal of the Textile Institute</i> , 0, , 1-7.	1.0	1
60	Establishment of acoustic characteristic model of activated carbon fiber felts. <i>Journal of the Textile Institute</i> , 2019, 110, 1493-1498.	1.0	1
61	Research on knitting technique and wearability assessment of underarm stitching for complete garments. <i>Journal of the Textile Institute</i> , 2020, 111, 1623-1631.	1.0	1
62	Geometric simulation for warp-knitted tubular bandages with the mesh model. <i>Textile Research Journal</i> , 0, , 004051752110138.	1.1	1
63	Fabrication, characterization and in vitro accelerated degradation of polypropylene/poly (glycolide- β -caprolactone) warp-knitted hernia repair mesh. <i>Journal of Industrial Textiles</i> , 2022, 51, 4133S-4148S.	1.1	1
64	Structural modeling and simulation of industrial flat and cylindrical axial weft-knitted fabrics. <i>Textile Research Journal</i> , 0, , 004051752110672.	1.1	1
65	A Calculation Method for the Deformation Behavior of Warp-Knitted Fabric. <i>Autex Research Journal</i> , 2023, 23, 55-65.	0.6	1
66	Frequency Characterizations of Epoxy/CNTs Composites under Compression at Different Strain Rates. <i>Advanced Composites Letters</i> , 2016, 25, 096369351602500.	1.3	0
67	Rapid design and algorithm implementation for knitted sweater pattern. <i>Journal of the Textile Institute</i> , 2021, 112, 636-645.	1.0	0
68	Design of electronic shogging dynamic compensation system for high-speed warp knitting machine. <i>Journal of the Textile Institute</i> , 0, , 1-10.	1.0	0
69	Double-appearance patterning model of warp-knitted spacer textiles based on the jacquard loop index. <i>Textile Research Journal</i> , 0, , 004051752110417.	1.1	0
70	Tensile Properties Analysis Of 3D Flat-Knitted Inlay Fabric Reinforced Composites Using Acoustic Emission. <i>Autex Research Journal</i> , 2020, .	0.6	0