

Gaoming Jiang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9379404/publications.pdf>

Version: 2024-02-01

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	A Calculation Method for the Deformation Behavior of Warp-Knitted Fabric. <i>Autex Research Journal</i> , 2023, 23, 55-65.	0.6	1
2	Design Method of Circular Weft-Knitted Jacquard Fabric Based on Jacquard Module. <i>Autex Research Journal</i> , 2022, 22, 217-224.	0.6	4
3	Fabrication, characterization and in vitro accelerated degradation of polypropylene/poly (glycolide- ϵ -caprolactone) warp-knitted hernia repair mesh. <i>Journal of Industrial Textiles</i> , 2022, 51, 4133S-4148S.	1.1	1
4	The tensile properties of weft-knitted biaxial tubular fabrics and reinforced composites. <i>Textile Reseach Journal</i> , 2022, 92, 1611-1619.	1.1	2
5	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
6	Rapid design and algorithm implementation for knitted sweater pattern. <i>Journal of the Textile Institute</i> , 2021, 112, 636-645.	1.0	0
7	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
8	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
9	Preparation of Polypyrrole/Silver Conductive Polyester Fabric by UV Exposure. <i>Autex Research Journal</i> , 2021, 21, 231-237.	0.6	5
10	Human Motion Recognition of Knitted Flexible Sensor in Walking Cycle. <i>Sensors</i> , 2020, 20, 35.	2.1	26
11	Deformation and geometric modeling in three-dimensional simulation of fancy weft-knitted fabric. <i>Textile Reseach Journal</i> , 2020, 90, 1527-1536.	1.1	15
12	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
13	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
14	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
15	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
16	Tensile Properties Analysis Of 3D Flat-Knitted Inlay Fabric Reinforced Composites Using Acoustic Emission. <i>Autex Research Journal</i> , 2020, .	0.6	0
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Establishment of acoustic characteristic model of activated carbon fiber felts. Journal of the Textile Institute, 2019, 110, 1493-1498.	1.0	1
20	Modeling and realization for appearance visualization of Textronic laces. Textile Research Journal, 2019, 89, 4526-4536.	1.1	3
21	Preparation and Performances of Warp-Knitted Hernia Repair Mesh Fabricated with Chitosan Fiber. Polymers, 2019, 11, 595.	2.0	12
22	Research on finger movement sensing performance of conductive gloves. Journal of Engineered Fibers and Fabrics, 2019, 14, 155892501988762.	0.5	14
23	Content-based lace fabric image retrieval system using texture and shape features. Journal of the Textile Institute, 2019, 110, 911-915.	1.0	9
24	Fabric defect detection algorithm using RDPSO-based optimal Gabor filter. Journal of the Textile Institute, 2019, 110, 487-495.	1.0	31
25	Two-Stage Discrete Mechanical Model in Three-Dimensional Space for Garment Simulation. Autex Research Journal, 2019, 19, 26-35.	0.6	2
26	Rapid Parametric Human Modeling in 3D Garment Simulation. Autex Research Journal, 2019, 19, 60-67.	0.6	6
27	Sustainable Improvements for Customized Platform Effectiveness in Garment Production. Autex Research Journal, 2019, 19, 355-362.	0.6	2
28	Electrostatic and mechanical properties of extrusion spun PTFE monofilament with integration of microtourmaline particles. Journal of Applied Polymer Science, 2018, 135, 46401.	1.3	4
29	Parametric modeling of three-dimensional geometry of warp-knitted loop based on variation of process parameters. Journal of the Textile Institute, 2018, 109, 1193-1201.	1.0	3
30	Textile Display for Electronic and Brain-Computer Interfaced Communications. Advanced Materials, 2018, 30, e1800323.	11.1	145
31	A photograph-based approach for visual simulation of wrapped Jacquardtronic lace. Textile Research Journal, 2018, 88, 2654-2664.	1.1	10
32	Mechanical Properties of Polypropylene Warp-Knitted Hernia Repair Mesh with Different Pull Densities. Polymers, 2018, 10, 1322.	2.0	7
33	Development of whole garment formed on four-bed computerized flat knitting machine. International Journal of Clothing Science and Technology, 2018, 30, 320-331.	0.5	5
34	3-D Simulation of Double-Bar Plush Fabrics with Jacquard Patterns. Autex Research Journal, 2018, 18, 243-250.	0.6	3
35	Review on the knitted structures with auxetic effect. Journal of the Textile Institute, 2017, 108, 947-961.	1.0	47
36	Design and manufacturing of warp-knitted filterable fabric with PET/PVDF fiber. Journal of the Textile Institute, 2017, 108, 2090-2095.	1.0	5

#	ARTICLE	IF	CITATIONS
37	Flat Knitting Loop Deformation Simulation Based on Interlacing Point Model. <i>Autex Research Journal</i> , 2017, 17, 361-369.	0.6	9
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	Frequency Characterizations of Epoxy/CNTs Composites under Compression at Different Strain Rates. <i>Advanced Composites Letters</i> , 2016, 25, 096369351602500.	1.3	0
47	Computer-Aided Design Method of Warp-Knitted Jacquard Spacer Fabrics. <i>Autex Research Journal</i> , 2016, 16, 51-56.	0.6	10
48	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
49	The Development of the Flat-Knitted Shaped Uppers based on Ergonomics. <i>Autex Research Journal</i> , 2016, 16, 67-74.	0.6	5
50	Post-treatment and evaluation of polyester filament cotton-like fabric. <i>Fibers and Polymers</i> , 2016, 17, 1735-1740.	1.1	2
51	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
52	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
53	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
54	Mechanical properties of co-woven-knitted fabric/epoxy composites incorporating carbon nanotubes. <i>Fibers and Polymers</i> , 2015, 16, 223-229.	1.1	4

#	ARTICLE	IF	CITATIONS
55	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
56	Intelligent segmentation of jacquard warp-knitted fabric using a multiresolution Markov random field with adaptive weighting in the wavelet domain. <i>Textile Reseach Journal</i> , 2014, 84, 28-39.	1.1	13
57	Tension and tear behaviors of co-woven-knitted fabric with photograph investigation. <i>Fibers and Polymers</i> , 2014, 15, 382-389.	1.1	5
58	Sound absorpction properties of composite structure with activated carbon fiber felts. <i>Journal of the Textile Institute</i> , 2014, 105, 1100-1107.	1.0	19
59	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
60	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
61	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
62	Warp-knitted fabric defect segmentation based on non-subsampled Contourlet transform. <i>Journal of the Textile Institute</i> , 0, , 1-8.	1.0	2
63	Relationships between warp-knitted run-in value and process parameters. <i>Journal of the Textile Institute</i> , 0, , 1-7.	1.0	1
64	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
65	Modeling and realization for visual simulation of circular knitting transfer-jacquard fabric. <i>Textile Reseach Journal</i> , 0, , 004051752199449.	1.1	5
66	Geometric simulation for warp-knitted tubular bandages with the mesh model. <i>Textile Reseach Journal</i> , 0, , 004051752110138.	1.1	1
67	The knitting methods for seamless garments based on four-needle bed computerized flat machine. <i>Textile Reseach Journal</i> , 0, , 004051752110351.	1.1	3
68	Double-appearance patterning model of warp-knitted spacer textiles based on the jacquard loop index. <i>Textile Reseach Journal</i> , 0, , 004051752110417.	1.1	0
69	Development and mechanical properties of three-dimensional flat-knitted fabrics with reinforcement yarns. <i>Journal of Industrial Textiles</i> , 0, , 152808372110460.	1.1	4
70	Structural modeling and simulation of industrial flat and cylindrical axial weft-knitted fabrics. <i>Textile Reseach Journal</i> , 0, , 004051752110672.	1.1	1