

# HaoKai Peng

## List of Publications by Year in descending order

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240  
papers

3,281  
citations

201674

27  
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289244

40  
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240  
all docs

240  
docs citations

240  
times ranked

3047  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and Compatibility Evaluation of Polypropylene/High Density Polyethylene Polyblends. Materials, 2015, 8, 8850-8859.	2.9	104
2	Zeolitic Imidazolate Framework-8/Polypropylene- $\alpha$ -Polycarbonate Barklike Meltblown Fibrous Membranes by a Facile in Situ Growth Method for Efficient PM <sub>2.5</sub> Capture. ACS Applied Materials & Interfaces, 2020, 12, 8730-8739.	8.0	95
3	Dual-Shell Photothermoelectric Textile Based on a PPy Photothermal Layer for Solar Thermal Energy Harvesting. ACS Applied Materials & Interfaces, 2020, 12, 55072-55082.	8.0	83
4	Polypropylene/Graphene and Polypropylene/Carbon Fiber Conductive Composites: Mechanical, Crystallization and Electromagnetic Properties. Applied Sciences (Switzerland), 2015, 5, 1196-1210.	2.5	78
5	Recent advances in multifunctional hydroxyapatite coating by electrochemical deposition. Journal of Materials Science, 2020, 55, 6352-6374.	3.7	68
6	Microstructure and characterization of electrospun poly(vinyl alcohol) nanofiber scaffolds filled with graphene nanosheets. Journal of Applied Polymer Science, 2015, 132, .	2.6	61
7	In situ growth polydopamine decorated polypropylene melt-blown membrane for highly efficient oil/water separation. Chemosphere, 2020, 254, 126873.	8.2	61
8	Low-cost hydrogel adsorbent enhanced by trihydroxy melamine and $\beta$ -cyclodextrin for the removal of Pb(II) and Ni(II) in water. Journal of Hazardous Materials, 2021, 411, 125029.	12.4	58
9	Effects of ultrasonic treatment and current density on the properties of hydroxyapatite coating via electrodeposition and its in vitro biomineralization behavior. Materials Science and Engineering C, 2019, 105, 110062.	7.3	48
10	Applying vermiculite and perlite fillers to sound-absorbing/thermal-insulating resilient PU foam composites. Fibers and Polymers, 2015, 16, 691-698.	2.1	47
11	Synergistic work of photo-thermoelectric and hydroelectric effects of hierarchical structure photo-thermoelectric textile for solar energy harvesting and solar steam generation simultaneously. Chemical Engineering Journal, 2021, 426, 131923.	12.7	47
12	Two-step strategy for constructing hierarchical pore structured chitosan- $\alpha$ -hydroxyapatite composite scaffolds for bone tissue engineering. Carbohydrate Polymers, 2021, 260, 117765.	10.2	43
13	Construction of BiOI/TiO <sub>2</sub> flexible and hierarchical S-scheme heterojunction nanofibers membranes for visible-light-driven photocatalytic pollutants degradation. Science of the Total Environment, 2022, 806, 150698.	8.0	43
14	Dopamine-decorated lotus leaf-like PVDF/TiO <sub>2</sub> membrane with underwater superoleophobic for highly efficient oil-water separation. Chemical Engineering Research and Design, 2021, 147, 788-797.	5.6	42
15	Polypropylene/Short Glass Fibers Composites: Effects of Coupling Agents on Mechanical Properties, Thermal Behaviors, and Morphology. Materials, 2015, 8, 8279-8291.	2.9	40
16	Core-shell structured TiO <sub>2</sub> @PVDF/PAN electrospun membranes for photocatalysis and oil-water separation. Polymer Composites, 2020, 41, 1013-1023.	4.6	40
17	Bioinspired design of underwater superoleophobic Poly(N-isopropylacrylamide)/polyacrylonitrile/TiO <sub>2</sub> nanofibrous membranes for highly efficient oil/water separation and photocatalysis. Environmental Research, 2020, 186, 109494.	7.5	40
18	Properties and Mechanism of Hydroxyapatite Coating Prepared by Electrodeposition on a Braid for Biodegradable Bone Scaffolds. Nanomaterials, 2019, 9, 679.	4.1	39

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19	Biomass poplar catkin fiber-based superhydrophobic aerogel with tubular-lamellar interweaved neurons-like structure. <i>Journal of Hazardous Materials</i> , 2022, 429, 128290.	12.4	38
20	Polypropylene/high-density polyethylene/carbon fiber composites: Manufacturing techniques, mechanical properties, and electromagnetic interference shielding effectiveness. <i>Fibers and Polymers</i> , 2017, 18, 155-161.	2.1	37
21	The efficacy of coconut fibers on the sound-absorbing and thermal-insulating nonwoven composite board. <i>Fibers and Polymers</i> , 2013, 14, 1378-1385.	2.1	36
22	Improvement in Mechanical Properties and Electromagnetic Interference Shielding Effectiveness of PVA-Based Composites: Synergistic Effect Between Graphene Nano-Sheets and Multi-Walled Carbon Nanotubes. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 199-211.	3.6	36
23	Stainless steel/polyester woven fabrics and copper/polyester woven fabrics: Manufacturing techniques and electromagnetic shielding effectiveness. <i>Journal of Industrial Textiles</i> , 2016, 46, 214-236.	2.4	32
24	PP/TiO <sub>2</sub> Melt-Blown Membranes for Oil/Water Separation and Photocatalysis: Manufacturing Techniques and Property Evaluations. <i>Polymers</i> , 2019, 11, 775.	4.5	32
25	Eco-friendly versatile protective polyurethane/triclosan coated polylactic acid nonwovens for medical covers application. <i>Journal of Cleaner Production</i> , 2021, 282, 124455.	9.3	32
26	Mechanical properties, thermal stability, sound absorption, and flame retardancy of rigid PU foam composites containing a fire-retarding agent: Effect of magnesium hydroxide and aluminum hydroxide. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2045-2055.	3.2	30
27	Polypropylene/Polyvinyl Alcohol/Metal-Organic Framework-Based Melt-Blown Electrospun Composite Membranes for Highly Efficient Filtration of PM <sub>2.5</sub> . <i>Nanomaterials</i> , 2020, 10, 2025.	4.1	29
28	Evaluation of high-modulus, puncture-resistance composite nonwoven fabrics by response surface methodology. <i>Journal of Industrial Textiles</i> , 2013, 43, 247-263.	2.4	28
29	Tuning the gradient structure of highly breathable, permeable, directional water transport in bi-layered Janus fibrous membranes using electrospinning. <i>RSC Advances</i> , 2020, 10, 3529-3538.	3.6	28
30	Metal/PET Composite Knitted Fabrics and Composites: Structural Design and Electromagnetic Shielding Effectiveness. <i>Journal of Electronic Materials</i> , 2012, 41, 2267-2273.	2.2	27
31	Biodegradable Bisvinyl Sulfonemethyl-crosslinked Gelatin Conduit Promotes Regeneration after Peripheral Nerve Injury in Adult Rats. <i>Scientific Reports</i> , 2017, 7, 17489.	3.3	27
32	Protective rigid fiber-reinforced polyurethane foam composite boards: Sound absorption, drop-weight impact and mechanical properties. <i>Fibers and Polymers</i> , 2016, 17, 2116-2123.	2.1	26
33	Multifunctional, Polyurethane-Based Foam Composites Reinforced by a Fabric Structure: Preparation, Mechanical, Acoustic, and EMI Shielding Properties. <i>Materials</i> , 2018, 11, 2085.	2.9	26
34	Synergistic Effect and Characterization of Graphene/Carbon Nanotubes/Polyvinyl Alcohol/Sodium Alginate Nanofibrous Membranes Formed Using Continuous Needleless Dynamic Linear Electrospinning. <i>Nanomaterials</i> , 2019, 9, 714.	4.1	26
35	Low-velocity impact behavior of flexible sandwich composite with polyurethane grid sealing shear thickening fluid core. <i>Journal of Sandwich Structures and Materials</i> , 2020, 22, 1274-1291.	3.5	26
36	Crystallization, mechanical, and electromagnetic properties of conductive polypropylene/SEBS composites. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	25

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37	Nonwoven fabric/spacer fabric/polyurethane foam composites: Physical and mechanical evaluations. <i>Fibers and Polymers</i> , 2016, 17, 789-794.	2.1	25
38	Biodegradable Polyvinyl Alcohol Vascular Stents: Structural Model and Mechanical and Biological Property Evaluation. <i>Materials Science and Engineering C</i> , 2018, 91, 404-413.	7.3	25
39	Acoustic absorption evaluation of high-modulus puncture resistance composites made by recycled selvages. <i>Textile Research Journal</i> , 2012, 82, 1597-1611.	2.2	24
40	Sound absorption and compressive property of PU foam-filled composite sandwiches: Effects of needle-punched fabric structure, porous structure, and fabric-foam interface. <i>Polymers for Advanced Technologies</i> , 2020, 31, 451-460.	3.2	24
41	Highly Absorbent Antibacterial Hemostatic Dressing for Healing Severe Hemorrhagic Wounds. <i>Materials</i> , 2016, 9, 793.	2.9	23
42	Mass-Production and Characterizations of Polyvinyl Alcohol/Sodium Alginate/Graphene Porous Nanofiber Membranes Using Needleless Dynamic Linear Electrospinning. <i>Polymers</i> , 2018, 10, 1167.	4.5	23
43	Silk fibroin/polycaprolactone-polyvinyl alcohol directional moisture transport composite film loaded with antibacterial drug-loading microspheres for wound dressing materials. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 580-591.	7.5	23
44	Determination of electromagnetic shielding and antibacterial properties of multifunctional warp-knitted fabrics. <i>Journal of the Textile Institute</i> , 2015, 106, 1203-1211.	1.9	22
45	Nitrogen/phosphorus synergistic flame retardant-filled flexible polyurethane foams: microstructure, compressive stress, sound absorption, and combustion resistance. <i>RSC Advances</i> , 2019, 9, 21192-21201.	3.6	22
46	Intensifying the Antimicrobial Activity of Poly[2-(tert-butylamino)ethyl Methacrylate]/Polylactide Composites by Tailoring Their Chemical and Physical Structures. <i>Molecular Pharmaceutics</i> , 2019, 16, 709-723.	4.6	22
47	Multiscale composite nanofiber membranes with asymmetric wettability: preparation, characterization, and applications in wound dressings. <i>Journal of Materials Science</i> , 2021, 56, 4407-4419.	3.7	22
48	Recyclable and degradable nonwoven-based double-network composite hydrogel adsorbent for efficient removal of Pb(II) and Ni(II) from aqueous solution. <i>Science of the Total Environment</i> , 2021, 758, 143640.	8.0	22
49	Sustainable cellulose-based aerogels fabricated by directional freeze-drying as excellent sound-absorption materials. <i>Journal of Materials Science</i> , 2021, 56, 18762-18774.	3.7	22
50	Manufacture technique and electrical properties evaluation of bamboo charcoal polyester/stainless steel complex yarn and knitted fabrics. <i>Fibers and Polymers</i> , 2010, 11, 856-860.	2.1	21
51	Chitosan/gelatin porous bone scaffolds made by crosslinking treatment and freeze-drying technology: Effects of crosslinking durations on the porous structure, compressive strength, and <i>in vitro</i> cytotoxicity. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	21
52	Synergistic effects of micro-/nano-fillers on conductive and electromagnetic shielding properties of polypropylene nanocomposites. <i>Materials and Manufacturing Processes</i> , 2018, 33, 149-155.	4.7	21
53	Exploring the Interfacial Phase and $\pi$ - $\pi$ Stacking in Aligned Carbon Nanotube/Polyimide Nanocomposites. <i>Nanomaterials</i> , 2020, 10, 1158.	4.1	21
54	Thermoplastic polyvinyl alcohol/multiwalled carbon nanotube composites: Preparation, mechanical properties, thermal properties, and electromagnetic shielding effectiveness. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	20

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55	Puncture-resisting, sound-absorbing and thermal-insulating properties of polypropylene-selvages reinforced composite nonwovens. <i>Journal of Industrial Textiles</i> , 2016, 45, 1477-1489.	2.4	20
56	Ballistic-resistant stainless steel mesh compound nonwoven fabric. <i>Fibers and Polymers</i> , 2008, 9, 761-767.	2.1	19
57	Biomedical Applications of Antibacterial Nanofiber Mats Made of Electrospinning with Wire Electrodes. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 46.	2.5	19
58	Tuning lightweight, flexible, self-cleaning bio-inspired core-shell structure of nanofiber films for high-performance electromagnetic interference shielding. <i>Journal of Materials Science</i> , 2020, 55, 13008-13022.	3.7	19
59	Manufacture and effectiveness evaluations of high-modulus electromagnetic interference shielding/puncture resisting composites. <i>Textile Research Journal</i> , 2013, 83, 1796-1807.	2.2	18
60	Sound absorbent, flame retardant warp knitting spacer fabrics: Manufacturing techniques and characterization evaluations. <i>Fibers and Polymers</i> , 2015, 16, 2682-2688.	2.1	18
61	Poly(lactic acid)/carbon fiber composites: Effects of functionalized elastomers on mechanical properties, thermal behavior, surface compatibility, and electrical characteristics. <i>Fibers and Polymers</i> , 2016, 17, 615-623.	2.1	18
62	Far-infrared emissive polypropylene/wood flour wood plastic composites: Manufacturing technique and property evaluations. <i>Journal of Composite Materials</i> , 2016, 50, 2099-2109.	2.4	17
63	Manufacturing techniques, mechanical properties, far infrared emissivity, and electromagnetic shielding effectiveness of stainless steel/polyester/bamboo charcoal knits. <i>Fibers and Polymers</i> , 2017, 18, 597-604.	2.1	17
64	Effects of STF and Fiber Characteristics on Quasi-Static Stab Resistant Properties of Shear Thickening Fluid (STF)-Impregnated UHMWPE/Kevlar Composite Fabrics. <i>Fibers and Polymers</i> , 2019, 20, 328-336.	2.1	17
65	Improvement on properties of Chinese lacquer by polyamidoamine. <i>Polymer Engineering and Science</i> , 2020, 60, 1177-1185.	3.1	17
66	Compatibility and mechanical properties of maleicanhydride modified the wood plastic composite. <i>Journal of Reinforced Plastics and Composites</i> , 2013, 32, 802-810.	3.1	16
67	Manufacture and properties of protective sound-absorbing mesh-reinforced composite foam board: Effects of filler content and mesh opening. <i>Fibers and Polymers</i> , 2015, 16, 2046-2055.	2.1	16
68	Manufacture technique and performance evaluation of electromagnetic-shielding/far-infrared elastic warp-knitted composite fabrics. <i>Journal of the Textile Institute</i> , 2016, 107, 493-503.	1.9	16
69	Electromagnetic shielding, wicking, and drying characteristics of CSP/AN/SSW hybrid yarns-incorporated woven fabrics. <i>Journal of Industrial Textiles</i> , 2016, 46, 950-967.	2.4	16
70	Enhancing piezoelectricity of poly(vinylidene fluoride) nano-wrapped yarns with an innovative yarn electrospinning technique. <i>Polymer International</i> , 2021, 70, 851-859.	3.1	16
71	Investigation and fabrication of multifunctional metal composite knitted fabrics. <i>Textile Research Journal</i> , 2015, 85, 188-199.	2.2	15
72	Effects of hydrotalcite on rigid polyurethane foam composites containing a fire retarding agent: compressive stress, combustion resistance, sound absorption, and electromagnetic shielding effectiveness. <i>RSC Advances</i> , 2018, 8, 33542-33550.	3.6	15

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73	Synergistic Effects of Needle Punching and Shear-Thickening Fluid on Sandwich-Structured Composites Made of Nonwoven and Woven Fabrics. <i>Fibers and Polymers</i> , 2020, 21, 1515-1522.	2.1	15
74	Sustainable phenolic thermosets coatings derived from urushiol. <i>Polymer Engineering and Science</i> , 2021, 61, 489-496.	3.1	15
75	Effects of needle-punched nonwoven structure on the properties of sandwich flexible composites under static loading and low-velocity impact. <i>Journal of Composite Materials</i> , 2017, 51, 1045-1056.	2.4	14
76	Process technology and performance evaluation of functional knee pad. <i>Fibers and Polymers</i> , 2010, 11, 136-141.	2.1	13
77	Effects of needle-punching and thermo-bonding on mechanical and EMI shielding properties of puncture-resisting composites reinforced with fabrics. <i>Fibers and Polymers</i> , 2014, 15, 315-321.	2.1	13
78	Bamboo charcoal/phase change material/stainless steel ring-spun complex yarn and its far-infrared/anion-releasing elastic warp-knitted fabric: Fabrication and functional evaluation. <i>Journal of Industrial Textiles</i> , 2016, 46, 624-642.	2.4	13
79	Effects of Taxol on Regeneration in a Rat Sciatic Nerve Transection Model. <i>Scientific Reports</i> , 2017, 7, 42280.	3.3	13
80	Mechanical, acoustic, and thermal performances of shear thickening fluid-filled rigid polyurethane foam composites: Effects of content of shear thickening fluid and particle size of silica. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47359.	2.6	13
81	Modified polypropylene/ thermoplastic polyurethane blends with maleic-anhydride grafted polypropylene: blending morphology and mechanical behaviors. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	13
82	Manufacture and characteristics of HA-Electrodeposited polylactic acid/polyvinyl alcohol biodegradable braided scaffolds. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 103, 103555.	3.1	13
83	Effects of bi-particle-sized shear thickening fluid on rheological behaviors and stab resistance of Kevlar fabrics. <i>Journal of Industrial Textiles</i> , 2022, 51, 3014S-3029S.	2.4	13
84	Preparation and property evaluations of PCL/PLA composite films. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	13
85	Electromagnetically shielding composite made from carbon fibers, glass fibers, and impact-resistant polypropylene. <i>Journal of Thermoplastic Composite Materials</i> , 2014, 27, 1451-1460.	4.2	12
86	Wicking behavior and dynamic elastic recovery properties of multifunction elastic warp-knitted fabrics. <i>Textile Research Journal</i> , 2015, 85, 1486-1496.	2.2	12
87	Effects of structure design on resilience and acoustic absorption properties of porous flexible-foam based perforated composites. <i>Fibers and Polymers</i> , 2015, 16, 2652-2662.	2.1	12
88	Recovery evaluation of rats' damaged tibias: Implantation of core-shell structured bone scaffolds made using hollow braids and a freeze-thawing process. <i>Materials Science and Engineering C</i> , 2017, 79, 481-490.	7.3	12
89	Increased Calcitonin Gene-Related Peptide and Macrophages Are Involved in <i>Astragalus membranaceus</i> -Mediated Peripheral Nerve Regeneration in Rats. <i>The American Journal of Chinese Medicine</i> , 2018, 46, 69-86.	3.8	12
90	Hybrid-Fiber-Reinforced Composite Boards Made of Recycled Aramid Fibers: Preparation and Puncture Properties. <i>Fibers and Polymers</i> , 2019, 20, 398-405.	2.1	12

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91	Effects of Electrical Stimulation on Peripheral Nerve Regeneration in a Silicone Rubber Conduit in Taxol-Treated Rats. <i>Materials</i> , 2020, 13, 1063.	2.9	12
92	Silver-Catalyzed Regioselective Synthesis of Highly Substituted 2-Trifluoromethyl Pyrroles. <i>Organic Letters</i> , 2021, 23, 6352-6356.	4.6	12
93	Two methods for constructing ZIF-8 nanomaterials with good bio compatibility and robust antibacterial applied to biomedical. <i>Journal of Biomaterials Applications</i> , 2022, 36, 1042-1054.	2.4	12
94	Preparation of Needleless Electrospinning Polyvinyl Alcohol/Water-Soluble Chitosan Nanofibrous Membranes: Antibacterial Property and Filter Efficiency. <i>Polymers</i> , 2022, 14, 1054.	4.5	12
95	Static and dynamic puncture failure behaviors of 3D needle-punched compound fabric based on Weibull distribution. <i>Textile Research Journal</i> , 2014, 84, 1903-1914.	2.2	11
96	Preparation and property evaluation of sound-absorbing/thermal-insulating PU composite boards with cushion protection. <i>Fibers and Polymers</i> , 2014, 15, 1478-1483.	2.1	11
97	Comfort and Functional Properties of Far-Infrared/Anion-Releasing Warp-Knitted Elastic Composite Fabrics Using Bamboo Charcoal, Copper, and Phase Change Materials. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 62.	2.5	11
98	Characterization of acoustic-absorbing inter/intra-ply hybrid laminated composites under dynamic loading. <i>Fibers and Polymers</i> , 2016, 17, 439-452.	2.1	11
99	Statistical analyses for tensile properties of nonwoven geotextiles at different ambient environmental temperatures. <i>Journal of Industrial Textiles</i> , 2017, 47, 331-347.	2.4	11
100	Poly(lactic acid)/carbon fiber composites: Effects of poly(lactic acid)-g-maleic anhydride on mechanical properties, thermal behavior, surface compatibility, and electrical characteristics. <i>Journal of Composite Materials</i> , 2018, 52, 405-416.	2.4	11
101	Investigation of the Shear Thickening Fluid Encapsulation in an Orifice Coagulation Bath. <i>Polymers</i> , 2019, 11, 519.	4.5	11
102	Effects of Perforation on Rigid PU Foam Plates: Acoustic and Mechanical Properties. <i>Materials</i> , 2016, 9, 1000.	2.9	10
103	Polyethylene terephthalate/basalt stab-resistant sandwich composites based on the Box-Cox Behnken design: Parameter optimization and empirical regression model. <i>Journal of Sandwich Structures and Materials</i> , 2020, 22, 2391-2407.	3.5	10
104	A Study on the Improvement of Using Raw Lacquer and Electrospinning on Properties of PVP Nanofilms. <i>Nanomaterials</i> , 2020, 10, 1723.	4.1	10
105	Manufacturing technique and acoustic evaluation of sandwich laminates reinforced high-resilience inter/intra-ply hybrid composites. <i>Fibers and Polymers</i> , 2014, 15, 2201-2210.	2.1	9
106	Moisture Comfort and Antibacterial Properties of Elastic Warp-Knitted Fabrics. <i>Autex Research Journal</i> , 2015, 15, 60-66.	1.1	9
107	Poly(l-lactide)/sodium alginate/chitosan microsphere hybrid scaffolds made with braiding manufacture and adhesion technique: Solution to the incongruence between porosity and compressive strength. <i>Materials Science and Engineering C</i> , 2015, 52, 111-120.	7.3	9
108	Compressive properties of high-resilience thermal-bonding cushioning inter/intra-ply hybrid composites. <i>Journal of Composite Materials</i> , 2015, 49, 3823-3835.	2.4	9



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109	Stainless steel/nitinol braid coronary stents: Braiding structure stability and cut section treatment evaluation. Journal of Industrial Textiles, 2016, 45, 965-977.	2.4	9
110	Effects of yarn types and fabric types on the compliance and bursting strength of vascular grafts. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 59, 474-483.	3.1	9
111	Effects of endogenous inflammation signals elicited by nerve growth factor, interferon- $\gamma$ , and interleukin-4 on peripheral nerve regeneration. Journal of Biological Engineering, 2019, 13, 86.	4.7	9
112	Rheological response and quasi-static stab resistance of STF/MWCNTs-impregnated aramid fabrics with different textures. Journal of Industrial Textiles, 2020, 50, 380-397.	2.4	9
113	Facile method for tent fabrics with eco-friendly/durable properties using waterborne polyurethane/lignin: Preparation and evaluation. Journal of Industrial Textiles, 2022, 51, 4149S-4166S.	2.4	9
114	High-strength conductive yarns and fabrics: mechanical properties, electromagnetic interference shielding effectiveness, and manufacturing techniques. Journal of the Textile Institute, 2021, 112, 347-357.	1.9	9
115	[(bpy)CuSCF <sub>3</sub> ]: A Practical and Efficient Reagent for the Construction of C-SCF <sub>3</sub> Bonds. Synlett, 2021, 32, 109-118.	1.8	9
116	The Strategy of Achieving Flexibility in Materials and Configuration of Flexible Lithium-Ion Batteries. Energy Technology, 2021, 9, .	3.8	9
117	Property Evaluation of <i>Blethilla striata</i> /Polyvinyl Alcohol Nano Fibers and Composite Dressings. Journal of Nanomaterials, 2012, 2012, 1-7.	2.7	8
118	Comparison of tensile and compressive characteristics of intra/interply hybrid laminates reinforced high-density flexible foam composites. Journal of Applied Polymer Science, 2015, 132, .	2.6	8
119	Wicking behavior and antibacterial properties of multifunctional knitted fabrics made from metal commingled yarns. Journal of the Textile Institute, 2015, 106, 862-871.	1.9	8
120	Braiding structure stability and section treatment evaluations of braided coronary stents made of stainless steel and bio-absorbable polyvinyl alcohol via a braiding technique. Fibers and Polymers, 2015, 16, 675-684.	2.1	8
121	Processing and Properties of Multifunctional Metal Composite Yarns and Woven Fabric. Materials and Manufacturing Processes, 2015, 30, 320-326.	4.7	8
122	Fabrication of polyacrylonitrile/polyvinyl alcohol-TPU with highly breathable, permeable performances for directional water transport Janus fibrous membranes by sandwich structural design. Journal of Sandwich Structures and Materials, 2021, 23, 2817-2831.	3.5	8
123	Study on the preparation and performance of flexible sulfur dioxide gas sensors based on metal-organic framework. Journal of Polymer Research, 2022, 29, 1.	2.4	8
124	Photocatalytic reduction of Cr(VI) by Bi <sub>2</sub> .15WO <sub>6</sub> complexed with polydopamine: Contribution of the ligand-to-metal charge transfer path. Journal of Colloid and Interface Science, 2022, 622, 50-61.	9.4	8
125	Evaluation on manufacturing technique and electromagnetic shielding effectiveness of functional complex fabrics. Journal of Electromagnetic Waves and Applications, 2014, 28, 1031-1043.	1.6	7
126	Manufacturing and mechanical characterization of perforated hybrid composites based on flexible polyurethane foam. Journal of Applied Polymer Science, 2015, 132, .	2.6	7



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127	Effect of Different Manufacturing Methods on the Conflict between Porosity and Mechanical Properties of Spiral and Porous Polyethylene Terephthalate/Sodium Alginate Bone Scaffolds. <i>Materials</i> , 2015, 8, 8768-8779.	2.9	7
128	Rapid Fabrication of a Cell-Seeded Collagen Gel-Based Tubular Construct that Withstands Arterial Pressure. <i>Annals of Biomedical Engineering</i> , 2016, 44, 3384-3397.	2.5	7
129	Antibacterial properties and electrical characteristics of multifunctional metal composite fabrics. <i>Journal of Industrial Textiles</i> , 2016, 45, 834-852.	2.4	7
130	Mechanical and physical properties of puncture-resistance insole made of Kevlar® recycled selvages. <i>Fibers and Polymers</i> , 2017, 18, 2219-2224.	2.1	7
131	Highly efficient antimicrobial electrospun PVP/CS/PHMGH nanofibers membrane: preparation, antimicrobial activity and in vitro evaluations. <i>Research on Chemical Intermediates</i> , 2018, 44, 4957-4970.	2.7	7
132	Using spray-coating method to form PVA coronary artery stents: structure and property evaluations. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	7
133	Fabrication of a Biodegradable Multi-layered Polyvinyl Alcohol Stent. <i>Fibers and Polymers</i> , 2018, 19, 1596-1604.	2.1	7
134	Tensile strength, peel load, and static puncture resistance of laminated composites reinforced with nonwoven fabric. <i>Journal of Materials Science</i> , 2018, 53, 12145-12156.	3.7	7
135	Characterization and Microstructure of Linear Electrode-Electrospun Graphene-Filled Polyvinyl Alcohol Nanofiber Films. <i>Materials</i> , 2018, 11, 1033.	2.9	7
136	Characteristics, Compression, and Buffering Performance of Pomelo-Like Hierarchical Capsules Containing Shear Thickening Fluid. <i>Polymers</i> , 2019, 11, 1138.	4.5	7
137	Weaving carbon fiber/recycled polypropylene selvages to reinforce the polymer-based protective composite fabrics: Manufacturing techniques and electromagnetic shielding effectiveness. <i>Polymer Composites</i> , 2019, 40, E1910-E1917.	4.6	7
138	Short Beam Shear Behavior and Failure Characterization of Hybrid 3D Braided Composites Structure with X-ray Micro-Computed Tomography. <i>Polymers</i> , 2020, 12, 1931.	4.5	7
139	Preparation and oil-water separation evaluations of polypropylene/low-melt-point polyester composites reinforced by thermal bonding and one-step solution immersion. <i>Polymer International</i> , 2020, 69, 752-762.	3.1	7
140	Study on melamine/bentonite polyurethane porous composite foam: Pb <sup>2+</sup> adsorption and mechanical properties. <i>Polymers for Advanced Technologies</i> , 2021, 32, 2061-2071.	3.2	7
141	Preparation of flexible, highly conductive polymer composite films based on double percolation structures and synergistic dispersion effect. <i>Polymer Composites</i> , 2021, 42, 5159-5167.	4.6	7
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