

Jia-Horng Lin

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5704569/jia-horng-lin-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

233
papers

2,717
citations

25
h-index

37
g-index

254
ext. papers

3,615
ext. citations

3.8
avg, IF

5.75
L-index

#	Paper	IF	Citations
233	Multifunctional sodium Alginate@ urushiol fiber with targeted Antibacterial, acid corrosion resistance and flame retardant properties for personal protection based on wet spinning. <i>Applied Surface Science</i> , 2022 , 584, 152573	6.7	2
232	Design of shear thickening fluid/polyurethane foam skeleton sandwich composite based on non-Newtonian fluid solid interaction under low-velocity impact. <i>Materials and Design</i> , 2022 , 213, 110375	8.1	1
231	MXene-decorated nanofiber film based on layer-by-layer assembly strategy for high-performance electromagnetic interference shielding. <i>Applied Surface Science</i> , 2022 , 574, 151552	6.7	4
230	Construction of BiOI/TiO flexible and hierarchical S-scheme heterojunction nanofibers membranes for visible-light-driven photocatalytic pollutants degradation. <i>Science of the Total Environment</i> , 2022 , 806, 150698	10.2	5
229	Study on the preparation and performance of flexible sulfur dioxide gas sensors based on metal-organic framework. <i>Journal of Polymer Research</i> , 2022 , 29, 1	2.7	0
228	Natural-clay-reinforced hydrogel adsorbent: Rapid adsorption of heavy-metal ions and dyes from textile wastewater.. <i>Water Environment Research</i> , 2022 , 94, e10698	2.8	0
227	Synthesis of Nb ₂ C MXene-based 2D layered structure electrode material for high-performance battery-type supercapacitors. <i>Electrochimica Acta</i> , 2022 , 413, 140144	6.7	4
226	Electrospinning PVP/Urushiol/Ag nanofilms: Use as wrapper of stainless steel yarns. <i>Progress in Organic Coatings</i> , 2022 , 166, 106797	4.8	1
225	Hemostasis Evaluation of Antibacterial and Highly Absorbent Composite Wound Dressings in Animal Hemostasis Models.. <i>Polymers</i> , 2022 , 14,	4.5	1
224	Durable antibacterial cotton fabric imitating skin wet management with synchronous liquid gating and directional liquid transfer. <i>Industrial Crops and Products</i> , 2022 , 184, 114994	5.9	0
223	Enhanced sandwich structure composite with shear thickening fluid and thermoplastic polyurethanes for High-performance stab resistance. <i>Composite Structures</i> , 2021 , 114930	5.3	5
222	The Strategy of Achieving Flexibility in Materials and Configuration of Flexible Lithium-Ion Batteries. <i>Energy Technology</i> , 2021 , 9, 2100539	3.5	2
221	Sustainable cellulose-based aerogels fabricated by directional freeze-drying as excellent sound-absorption materials. <i>Journal of Materials Science</i> , 2021 , 56, 18762-18774	4.3	1
220	Preparation of Ag@ZIF-8@PP Melt-Blown Nonwoven Fabrics: Air Filter Efficacy and Antibacterial Effect. <i>Polymers</i> , 2021 , 13,	4.5	1
219	Flexible and wearable wristband for harvesting human body heat based on coral-like PEDOT:Tos-coated nanofibrous film. <i>Smart Materials and Structures</i> , 2021 , 30, 015003	3.4	6
218	Multi-scaled, hierarchical nanofibrous membrane for oil/water separation and photocatalysis: Preparation, characterization and properties evaluation. <i>Progress in Organic Coatings</i> , 2021 , 152, 106125	4.8	7
217	Dopamine-decorated lotus leaf-like PVDF/TiO ₂ membrane with underwater superoleophobic for highly efficient oil-water separation. <i>Chemical Engineering Research and Design</i> , 2021 , 147, 788-797	5.5	11

216	Preparation and mechanical properties characterization: plasma-modified expanded vermiculite/fabric-reinforced foam composite materials. <i>Polymer International</i> , 2021 , 70, 1255-1263	3.3	
215	Preparation and property evaluations of PCL/PLA composite films. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	3
214	Enhanced photocatalytic performance through the ferroelectric synergistic effect of p-n heterojunction BiFeO ₃ /TiO ₂ under visible-light irradiation. <i>Ceramics International</i> , 2021 , 47, 10786-10795	5.1	18
213	MXene-coated conductive composite film with ultrathin, flexible, self-cleaning for high-performance electromagnetic interference shielding. <i>Chemical Engineering Journal</i> , 2021 , 412, 128681	14.7	25
212	Preparation and characteristics of flexible polyurethane foam filled with expanded vermiculite powder and concave-convex structural panel. <i>Journal of Materials Research and Technology</i> , 2021 , 12, 1288-1302	5.5	3
211	Polypropylene/Carbon Fiber Composite Layered Materials: Electromagnetic Interference Shielding Effect and Mechanical Performance. <i>Fibers and Polymers</i> , 2021 , 22, 2552-2562	2	2
210	Daylight-driven photosensitive antibacterial melt-blown membranes for medical use. <i>Journal of Cleaner Production</i> , 2021 , 296, 126395	10.3	5
209	Functional Antibacterial Nanometer Zinc Ion Yarns: Manufacturing Technique and Antimicrobial Efficacy against Escherichia coli. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5021	2.6	
208	Two-step strategy for constructing hierarchical pore structured chitosan-hydroxyapatite composite scaffolds for bone tissue engineering. <i>Carbohydrate Polymers</i> , 2021 , 260, 117765	10.3	11
207	Construction of synergistic Toughening, Self-Healing Puncture-Resistant soft composites by using Fabric-Reinforced Pluronic/PMEA hydrogel. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 145, 106388	8.4	7
206	Carbon nanotube/polypropylene/polycarbonate conductive nanocomposite films: Preparation and characterization. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51276	2.9	0
205	Low-cost hydrogel adsorbent enhanced by trihydroxy melamine and Cyclodextrin for the removal of Pb(II) and Ni(II) in water. <i>Journal of Hazardous Materials</i> , 2021 , 411, 125029	12.8	19
204	High-strength conductive yarns and fabrics: mechanical properties, electromagnetic interference shielding effectiveness, and manufacturing techniques. <i>Journal of the Textile Institute</i> , 2021 , 112, 347-357	1.5	3
203	Investigation on the rebound rate for polymeric composites and nonwoven needle punched fabrics at various depths. <i>Journal of Industrial Textiles</i> , 2021 , 50, 1516-1527	1.6	2
202	Multiscale composite nanofiber membranes with asymmetric wettability: preparation, characterization, and applications in wound dressings. <i>Journal of Materials Science</i> , 2021 , 56, 4407-4419	4.3	10
201	Lightweight, flexible and superhydrophobic conductive composite films based on layer-by-layer self-assembly for high-performance electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 141, 106199	8.4	6
200	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	10.2	10
199	Eco-friendly versatile protective polyurethane/triclosan coated polylactic acid nonwovens for medical covers application. <i>Journal of Cleaner Production</i> , 2021 , 282, 124455	10.3	12

198	Mass production and effect of polyurethane/graphene coating on the durability and versatile protection of ultralight nylon fabrics. <i>Polymer International</i> , 2021 , 70, 308-316	3.3	1
197	Spacer fabric/flexible polyurethane foam composite sandwiches: Structural design and quasi-static compressive, bursting and dynamic impact performances. <i>Journal of Sandwich Structures and Materials</i> , 2021 , 23, 1366-1382	2.1	6
196	A Facile Method to Fabricate Bioenvironmentally Friendly Janus Nonwoven Medical Covers: Preparation and Property Evaluation. <i>Fibers and Polymers</i> , 2021 , 22, 123-130	2	0
195	Electrospun cationic nanofiber membranes for adsorption and determination of Cr(vi) in aqueous solution: adsorption characteristics and discoloration mechanisms.. <i>RSC Advances</i> , 2021 , 11, 31795-31806	2.7	0
194	Study on melamine/bentonite polyurethane porous composite foam: Pb ²⁺ adsorption and mechanical properties. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 2061-2071	3.2	1
193	Enhancing piezoelectricity of poly(vinylidene fluoride) nano-wrapped yarns with an innovative yarn electrospinning technique. <i>Polymer International</i> , 2021 , 70, 851-859	3.3	6
192	Facile fabrication and mass production of TPU/Silica/STF coated aramid fabric with excellent flexibility and quasi-static stab resistance for versatile protection. <i>Progress in Organic Coatings</i> , 2021 , 151, 106088	4.8	11
191	Preparation of flexible, highly conductive polymer composite films based on double percolation structures and synergistic dispersion effect. <i>Polymer Composites</i> , 2021 , 42, 5159	3	1
190	Multiscale synergistic toughened pluronic/PMEA/ hydroxyapatite hydrogel laminated aramid soft composites: Puncture resistance and self-healing properties. <i>Composites Part B: Engineering</i> , 2021 , 216, 108856	10	12
189	Combination and development of carbon filament tows: Application of coextrusion with long fiber-reinforced thermoplastics. <i>Polymer Composites</i> , 2021 , 42, 4199-4206	3	0
188	Two methods for constructing ZIF-8 nanomaterials with good bio compatibility and robust antibacterial applied to biomedical. <i>Journal of Biomaterials Applications</i> , 2021 , 8853282211033682	2.9	2
187	Daylight-driven rechargeable, antibacterial, filtrating micro/nanofibrous composite membranes with bead-on-string structure for medical protection. <i>Chemical Engineering Journal</i> , 2021 , 422, 130007	14.7	13
186	Photo-thermoelectric nanofiber film based on the synergy of conjugated polymer and light traps for the solar-energy harvesting of textile solar panel. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 232, 111353	6.4	3
185	Hydrogel with high toughness and strength for fabricating high performance stab-resistant aramid composite fabric. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 1630-1641	5.5	5
184	Synergistic work of photo-thermoelectric and hydroelectric effects of hierarchical structure photo-thermoelectric textile for solar energy harvesting and solar steam generation simultaneously. <i>Chemical Engineering Journal</i> , 2021 , 426, 131923	14.7	5
183	Processing and characterizations of Short fluoroalkyl chain /polyurethane- polylactic acid/low melt polylactic acid Janus nonwoven Medical covers using spray coating. <i>Progress in Organic Coatings</i> , 2020 , 147, 105736	4.8	5
182	Using recycled high-strength polyester and Kevlar® wastes to reinforce sandwich-structured nonwoven fabric: Structural effect and property evaluation. <i>Journal of Cleaner Production</i> , 2020 , 267, 121899	10.3	8
181	Using antibacterial fibers and metallic wires to make woven fabrics used as smart diapers. <i>Journal of Industrial Textiles</i> , 2020 , 152808372093037	1.6	1

180	Facile fabrication of hydrophilic-underwater superoleophobic poly(N-isopropylacrylamide) coated PP/LPET nonwoven fabrics for highly efficient oil/water separation. <i>Progress in Organic Coatings</i> , 2020 , 148, 105780	4.8	4
179	Exploring the Interfacial Phase and Stacking in Aligned Carbon Nanotube/Polyimide Nanocomposites. <i>Nanomaterials</i> , 2020 , 10,	5.4	11
178	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	4.3	6
177	High-strength protective polyester textiles incorporated with metallic materials: Characterizations and radiation-shielding effectiveness. <i>Journal of Industrial Textiles</i> , 2020 , 152808372090467	1.6	1
176	Effects of bi-particle-sized shear thickening fluid on rheological behaviors and stab resistance of Kevlar fabrics. <i>Journal of Industrial Textiles</i> , 2020 , 152808372090740	1.6	6
175	Fabrication of polyacrylonitrile/polyvinyl alcohol/PU with highly breathable, permeable performances for directional water transport Janus fibrous membranes by sandwich structural design. <i>Journal of Sandwich Structures and Materials</i> , 2020 , 109963622090975	2.1	6
174	Durability and adsorption of heavy metal ions of glass-geogrid-reinforced geosynthetic clay liners. <i>Journal of Sandwich Structures and Materials</i> , 2020 , 109963622090979	2.1	
173	Adhesion-type composites made of elastic polymer films and high resilience nonwoven fabrics: Manufacturing techniques and property evaluations. <i>Polymer Composites</i> , 2020 , 41, 2768-2776	3	2
172	Effects of Electrical Stimulation on Peripheral Nerve Regeneration in a Silicone Rubber Conduit in Taxol-Treated Rats. <i>Materials</i> , 2020 , 13,	3.5	6
171	Recent advances in multifunctional hydroxyapatite coating by electrochemical deposition. <i>Journal of Materials Science</i> , 2020 , 55, 6352-6374	4.3	29
170	Mechanical properties of a STF capsule filled flexible polyurethane composite foam. <i>Materials Letters</i> , 2020 , 269, 127580	3.3	7
169	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	3.7	18
168	Zeolitic Imidazolate Framework-8/Polypropylene-Polycarbonate Barklike Meltblown Fibrous Membranes by a Facile in Situ Growth Method for Efficient PM Capture. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 8730-8739	9.5	59
167	In situ growth polydopamine decorated polypropylen melt-blown membrane for highly efficient oil/water separation. <i>Chemosphere</i> , 2020 , 254, 126873	8.4	28
166	Filtration Efficiency of Electret Air Filters Reinforced by Titanium Dioxide. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2686	2.6	3
165	Polypropylene/thermoplastic polyurethane blends: mechanical characterizations, recyclability and sustainable development of thermoplastic materials. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 5304-5312	5.5	12
164	Facile preparation of PAN@Ag ₂ O/TiO ₂ nanofibers with enhanced photocatalytic activity and reusability toward oxidation of As(III). <i>Journal of Materials Science</i> , 2020 , 55, 11310-11324	4.3	4
163	Spring-like sandwich foam composites reinforced by 3D Concave/Convex structured fabric: Manufacturing and low-velocity cushion response. <i>Composites Part B: Engineering</i> , 2020 , 197, 108171	10	11

162	Preparation and properties of shear thickening fluid (STF) capsule filled graded buffer composites. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 10982-10990	5.5	3
161	Effect of hydrogen peroxide concentration on the nanostructure of hydroxyapatite coatings via ultrasonic-assisted electrodeposition. <i>Materials Letters</i> , 2020 , 261, 126989	3.3	10
160	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	10
159	Lightweight, flexible and superhydrophobic composite nanofiber films inspired by nacre for highly electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 128, 105685	8.4	79
158	Core-sheath structured TiO ₂ @PVDF/PAN electrospun membranes for photocatalysis and oil-water separation. <i>Polymer Composites</i> , 2020 , 41, 1013-1023	3	22
157	A study on artemisia argyi oil/sodium alginate/PVA nanofibrous membranes: micro-structure, breathability, moisture permeability, and antibacterial efficacy. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 13450-13458	5.5	6
156	Polypropylene/Polyvinyl Alcohol/Metal-Organic Framework-Based Melt-Blown Electrospun Composite Membranes for Highly Efficient Filtration of PM. <i>Nanomaterials</i> , 2020 , 10,	5.4	15
155	Worm-Like PEDOT:Tos coated polypropylene fabrics via low-temperature interfacial polymerization for high-efficiency thermoelectric textile. <i>Progress in Organic Coatings</i> , 2020 , 149, 105919	4.8	5
154	Facile method for tent fabrics with eco-friendly/durable properties using waterborne polyurethane/lignin: Preparation and evaluation. <i>Journal of Industrial Textiles</i> , 2020 , 152808372093188	1.6	4
153	Layer-by-layer assembly of low-temperature in-situ polymerized pyrrole coated nanofiber membrane for high-efficiency electromagnetic interference shielding. <i>Progress in Organic Coatings</i> , 2020 , 147, 105861	4.8	9
152	Dual-Shell Photothermoelectric Textile Based on a PPy Photothermal Layer for Solar Thermal Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 55072-55082	9.5	27
151	Shielding-benefit Evaluation of Electromagnetic Radiation and UV Radiation for Multifunctional Composite Polypropylene Woven Fabrics. <i>Fibers and Polymers</i> , 2020 , 21, 2380-2388	2	2
150	Impact resistance of fiber reinforced sandwich-structured nonwoven composites: Reinforcing effect of different fiber length. <i>Materials Today Communications</i> , 2020 , 24, 101345	2.5	2
149	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	6
148	Polyvinylidene Fluoride Electrospun Fibers Loaded TiO ₂ for Photocatalytic Degradation and Oil/Water Separation. <i>Fibers and Polymers</i> , 2020 , 21, 1475-1487	2	7
147	Short Beam Shear Behavior and Failure Characterization of Hybrid 3D Braided Composites Structure with X-ray Micro-Computed Tomography. <i>Polymers</i> , 2020 , 12,	4.5	1
146	A novel processing technique of carbon fiber/copper wire reinforced thermoplastic composites to improve EMI SE performance. <i>Polymer Composites</i> , 2020 , 41, 5135-5142	3	1
145	Effect of Melting/Recycling Cycles and Mechanical Fracture on the Thermoplastic Materials Composed of Thermoplastic Polyurethane and Polypropylene Waste Blends. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5810	2.6	2

144	Fabrication, properties, and failure of composite sandwiches made with sheet extrusion method. <i>Journal of Sandwich Structures and Materials</i> , 2020 , 22, 689-701	2.1	3
143	Flame-retardant agent and fire-retardant fabrics reinforced the polyurethane foam: Combustion resistance and mechanical properties. <i>Journal of Sandwich Structures and Materials</i> , 2020 , 22, 2408-2420	2.1	1
142	Plastic packaging materials of laminated composites made of polymer cover sheets and a nonwoven interlayer. <i>Journal of Sandwich Structures and Materials</i> , 2020 , 22, 2287-2301	2.1	3
141	Polyethylene terephthalate/basalt stab-resistant sandwich composites based on the BoxBehnken design: Parameter optimization and empirical regression model. <i>Journal of Sandwich Structures and Materials</i> , 2020 , 22, 2391-2407	2.1	6
140	Rheological response and quasi-static stab resistance of STF/MWCNTs-impregnated aramid fabrics with different textures. <i>Journal of Industrial Textiles</i> , 2020 , 50, 380-397	1.6	2
139	Manufacturing techniques and property evaluations of stainless steel composite fabrics. <i>Journal of Industrial Textiles</i> , 2020 , 50, 740-753	1.6	
138	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	2.1	14
137	Using unwrapped filament tows to strengthen sandwich composites: Puncture and bursting resistance. <i>Journal of Industrial Textiles</i> , 2020 , 49, 1374-1388	1.6	0
136	Manufacturing techniques and property evaluations of sandwich-structured composite materials with electromagnetic shielding, flame retardance, and far-infrared emissivity. <i>Journal of Sandwich Structures and Materials</i> , 2020 , 22, 2075-2088	2.1	1
135	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	3.3	3
134	Illustrating hybrid effect and damage evolution of carbon/aramid braided composite under low-velocity impact. <i>Composite Structures</i> , 2020 , 245, 112372	5.3	9
133	Bioinspired design of underwater superoleophobic Poly(N-isopropylacrylamide)/polyacrylonitrile/TiO ₂ nanofibrous membranes for highly efficient oil/water separation and photocatalysis. <i>Environmental Research</i> , 2020 , 186, 109494	7.9	15
132	Oxalic Acid-Induced Photodissolution of Ferrihydrite and the Fate of Loaded As(V): Kinetics and Mechanism. <i>Nanomaterials</i> , 2019 , 9,	5.4	3
131	Preparation and characterization of SEBS-g-MAH-filled flexible polyurethane foam composites with gradient-changing structure. <i>Materials and Design</i> , 2019 , 183, 108150	8.1	20
130	Processing and characterizations of rotary linear needleless electrospun polyvinyl alcohol(PVA)/Chitosan(CS)/Graphene(Gr) nanofibrous membranes. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 5124-5132	5.5	29
129	Bioinspired foam composites resembling pomelo peel: Structural design and compressive, bursting and cushioning properties. <i>Composites Part B: Engineering</i> , 2019 , 172, 290-298	10	31
128	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	16
127	Preparation and property evaluations of zeolite rigid foam composites. <i>Polymer Composites</i> , 2019 , 40, 4175-4185	3	2

126	Properties and Mechanism of Hydroxyapatite Coating Prepared by Electrodeposition on a Braid for Biodegradable Bone Scaffolds. <i>Nanomaterials</i> , 2019 , 9,	5-4	29
125	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,	5-4	19
124	Superhydrophobic/Flame Retardant/EMI Shielding Fabrics: Manufacturing Techniques and Property Evaluations. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1914	2.6	5
123	PP/TiO Melt-Blown Membranes for Oil/Water Separation and Photocatalysis: Manufacturing Techniques and Property Evaluations. <i>Polymers</i> , 2019 , 11,	4-5	15
122	Optimizing the processing parameters of mechanical and hydraulic conductivity of geotextile liner. <i>Materials and Manufacturing Processes</i> , 2019 , 34, 999-1007	4-1	4
121	Investigation of the Shear Thickening Fluid Encapsulation in an Orifice Coagulation Bath. <i>Polymers</i> , 2019 , 11,	4-5	7
120	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	13
119	Visible light-induced oxidation of aqueous arsenite using facile Ag ₂ O/TiO ₂ composites: Performance and mechanism. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 377, 260-267	4-7	16
118	Processing techniques and properties of metal/polyester composite plain material: Electromagnetic shielding effectiveness and far-infrared emissivity. <i>Journal of Industrial Textiles</i> , 2019 , 49, 365-382	1.6	5
117	Manufacturing techniques and property evaluations of conductive elastic knits. <i>Journal of Industrial Textiles</i> , 2019 , 49, 503-533	1.6	3
116	One-Step Bark-Like Imitated Polypropylene (PP)/Polycarbonate (PC) Nanofibrous Meltblown Membrane for Efficient Particulate Matter Removal. <i>Polymers</i> , 2019 , 11,	4-5	9
115	Effects of ultrasonic treatment and current density on the properties of hydroxyapatite coating via electrodeposition and its in vitro biomineralization behavior. <i>Materials Science and Engineering C</i> , 2019 , 105, 110062	8.3	29
114	Bamboo Charcoal/Quick-Dry/Metallic Elastic Knits: Manufacturing Techniques and Property Evaluations. <i>Fibers and Polymers</i> , 2019 , 20, 1504-1518	2	
113	Expanded Vermiculite-Filled Polyurethane Foam-Core Bionic Composites: Preparation and Thermal, Compression, and Dynamic Cushion Properties. <i>Polymers</i> , 2019 , 11,	4-5	7
112	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	3-7	14
111	Characteristics, Compression, and Buffering Performance of Pomelo-Like Hierarchical Capsules Containing Shear Thickening Fluid. <i>Polymers</i> , 2019 , 11,	4-5	5
110	Polyethylene Terephthalate/Carbon Fabric/Polyurethane Foam Sandwich Composites: Flame Retardance and Mechanical Properties. <i>Fibers and Polymers</i> , 2019 , 20, 1277-1283	2	3
109	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	3	4

108	High-performance thermoplastic hybrid composite reinforced with bucky paper for electromagnetic interference shielding. <i>Polymer Composites</i> , 2019 , 40, 3065-3074	3	2
107	Mechanical and functional evaluations of flaming-retardant/far-infrared composite nonwoven fabrics. <i>Journal of the Textile Institute</i> , 2019 , 110, 186-195	1.5	2
106	Manufacture and evaluations of stainless steel/rayon/bamboo charcoal functional composite knits. <i>Textile Reseach Journal</i> , 2019 , 89, 3893-3899	1.7	2
105	Composite geotextile made with a reinforcing method using friction to unwind filament tows: Manufacturing techniques and property evaluations. <i>Textile Reseach Journal</i> , 2019 , 89, 2880-2891	1.7	1
104	Tensile, electromagnetic, and far-infrared properties of stainless steel/far-infrared polyester composite materials. <i>Polymer Composites</i> , 2019 , 40, 2219-2230	3	1
103	Mechanical property evaluations of flexible laminated composites reinforced by high-performance Kevlar filaments: Tensile strength, peel load, and static puncture resistance. <i>Composites Part B: Engineering</i> , 2019 , 166, 139-147	10	14
102	Study on preparation, sound absorption, and electromagnetic shielding effectiveness of rigid foam composites. <i>Journal of Sandwich Structures and Materials</i> , 2019 , 21, 2512-2526	2.1	8
101	Structural improvement of laminated thermoplastic polyurethane/low-melting polyester/kevlar composites. <i>Polymer Composites</i> , 2019 , 40, E550	3	2
100	UV resistance and water barrier properties of PP/PLA/MAH/TiO ₂ functional hybrid biocomposite films for packaging application. <i>Advances in Polymer Technology</i> , 2018 , 37, 2971-2980	1.9	10
99	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	2.8	6
98	Thermally Bonded PET/Basalt Sandwich Composites for Heat Pipeline Protection: Preparation, Stab Resisting, and Thermal-Insulating Properties. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 510	2.6	4
97	Characterization and Microstructure of Linear Electrode-Electrospun Graphene-Filled Polyvinyl Alcohol Nanofiber Films. <i>Materials</i> , 2018 , 11,	3.5	6
96	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	3.7	11
95	Mass-Production and Characterizations of Polyvinyl Alcohol/Sodium Alginate/Graphene Porous Nanofiber Membranes Using Needleless Dynamic Linear Electrospinning. <i>Polymers</i> , 2018 , 10,	4.5	17
94	Flexible polyurethane foam-based sandwich composites: Preparation and evaluation of thermal, acoustic, and electromagnetic properties. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46871	2.9	9
93	Multifunctional, Polyurethane-Based Foam Composites Reinforced by a Fabric Structure: Preparation, Mechanical, Acoustic, and EMI Shielding Properties. <i>Materials</i> , 2018 , 11,	3.5	20
92	Biodegradable Polyvinyl Alcohol Vascular Stents: Structural Model and Mechanical and Biological Property Evaluation. <i>Materials Science and Engineering C</i> , 2018 , 91, 404-413	8.3	17
91	Statistical analyses for tensile properties of nonwoven geotextiles at different ambient environmental temperatures. <i>Journal of Industrial Textiles</i> , 2017 , 47, 331-347	1.6	7

90	Conductive fabrics made of polypropylene/multi-walled carbon nanotube coated polyester yarns: Mechanical properties and electromagnetic interference shielding effectiveness. <i>Composites Science and Technology</i> , 2017 , 141, 74-82	8.6	52
89	Effects of Taxol on Regeneration in a Rat Sciatic Nerve Transection Model. <i>Scientific Reports</i> , 2017 , 7, 42280	4.9	12
88	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	25
87	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	2.7	11
86	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	8.3	8
85	Using 3D Composite Electrode Materials for Electricity Generation from Swine Wastewater in a Dual-Chamber Microbial Fuel Cells. <i>Journal of the Chinese Chemical Society</i> , 2017 , 64, 618-626	1.5	2
84	Design and Fabrication of Smart Diapers with Antibacterial Yarn. <i>Journal of Healthcare Engineering</i> , 2017 , 2017, 8046134	3.7	4
83	Investigation on structure and impact-resistance property of polyurethane foam filled three-dimensional fabric reinforced sandwich flexible composites. <i>Composites Part B: Engineering</i> , 2017 , 131, 43-49	10	22
82	Biodegradable Bisvinyl Sulfonemethyl-crosslinked Gelatin Conduit Promotes Regeneration after Peripheral Nerve Injury in Adult Rats. <i>Scientific Reports</i> , 2017 , 7, 17489	4.9	21
81	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	12
80	Effects of needle punching and hot pressing on mechanical properties of composite geotextiles. <i>Journal of Industrial Textiles</i> , 2017 , 47, 522-534	1.6	9
79	Mechanical and physical properties of puncture-resistance insole made of Kevlar® recycled selvages. <i>Fibers and Polymers</i> , 2017 , 18, 2219-2224	2	7
78	Feasibility Assessments of the Use of Recycled Fibers in Nonwoven Fabrics. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 58	2.6	1
77	Polyvinyl Alcohol/Lithospermum Erythrorhizon Nanofibrous Membrane: Characterizations, In Vitro Drug Release, and Cell Viability. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 1143	2.6	2
76	The Effects of Thermoplastic Polyurethane on the Structure and Mechanical Properties of Modified Polypropylene Blends. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 1254	2.6	14
75	Functional Elastic Knits Made of Bamboo Charcoal and Quick-Dry Yarns: Manufacturing Techniques and Property Evaluations. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 1287	2.6	4
74	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	1.6	15
73	Thermoplastic polyurethanes/polyester/polypropylene composites: Effect of thermoplastic polyurethanes honeycomb structure on acoustic-absorbing and cushioning property. <i>Journal of Industrial Textiles</i> , 2016 , 46, 578-595	1.6	4

72	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	1.6	9
71	Needle-punched thermally-bonded eco-friendly nonwoven geotextiles: Functional properties. <i>Materials Letters</i> , 2016 , 183, 77-80	3.3	17
70	A study on heat insulation of composites made of recycled far-infrared fibers and three-dimensional crimped hollow polyester fibers. <i>Fibers and Polymers</i> , 2016 , 17, 1687-1695	2	3
69	Using nonwoven fabrics as culture mediums for extensive green roofs: physical properties and cooling effect. <i>Fibers and Polymers</i> , 2016 , 17, 1111-1114	2	5
68	Static and dynamic puncture properties of intra-/inter-laminar reinforced multilayer compound fabrics by needle-punching and thermal bonding. <i>Textile Research Journal</i> , 2016 , 86, 1487-1497	1.7	2
67	Nonwoven fabric/spacer fabric/polyurethane foam composites: Physical and mechanical evaluations. <i>Fibers and Polymers</i> , 2016 , 17, 789-794	2	16
66	Modeling and optimization of dynamic puncture behaviors for flexible inter-/intra- reinforced compound fabrics. <i>Fibers and Polymers</i> , 2016 , 17, 469-476	2	3
65	Structure design and property evaluation of silver/stainless steel composite fabric. <i>Journal of Industrial Textiles</i> , 2016 , 45, 543-555	1.6	4
64	Preparation technique and antibacterial evaluation of high-absorbent composite fabrics. <i>Journal of Industrial Textiles</i> , 2016 , 45, 915-929	1.6	2
63	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	1.6	30
62	Antibacterial properties and electrical characteristics of multifunctional metal composite fabrics. <i>Journal of Industrial Textiles</i> , 2016 , 45, 834-852	1.6	6
61	Effect of twist coefficient and thermal treatment temperature on elasticity and tensile strength of wrapped yarns. <i>Textile Research Journal</i> , 2016 , 86, 24-33	1.7	6
60	Polymer composites made of multi-walled carbon nanotubes and graphene nano-sheets: Effects of sandwich structures on their electromagnetic interference shielding effectiveness. <i>Composites Part B: Engineering</i> , 2016 , 89, 424-431	10	83
59	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	1.5	14
58	Needle-Bonded Electromagnetic Shielding Thermally Insulating Nonwoven Composite Boards: Property Evaluations. <i>Applied Sciences (Switzerland)</i> , 2016 , 6, 303	2.6	10
57	Biomedical Applications of Antibacterial Nanofiber Mats Made of Electrospinning with Wire Electrodes. <i>Applied Sciences (Switzerland)</i> , 2016 , 6, 46	2.6	15
56	Influence of Immersion Conditions on The Tensile Strength of Recycled Kevlar® /Polyester/Low-Melting-Point Polyester Nonwoven Geotextiles through Applying Statistical Analyses. <i>Applied Sciences (Switzerland)</i> , 2016 , 6, 133	2.6	4
55	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	2.6	9

54	Highly Absorbent Antibacterial Hemostatic Dressing for Healing Severe Hemorrhagic Wounds. <i>Materials</i> , 2016 , 9,	3.5	18
53	Effects of Perforation on Rigid PU Foam Plates: Acoustic and Mechanical Properties. <i>Materials</i> , 2016 , 9,	3.5	8
52	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	22
51	Applications of geotextiles made of PET-filament-based nonwoven fabrics. <i>Fibers and Polymers</i> , 2016 , 17, 1955-1962	2	5
50	Puncture-resisting, sound-absorbing and thermal-insulating properties of polypropylene-selvages reinforced composite nonwovens. <i>Journal of Industrial Textiles</i> , 2016 , 45, 1477-1489	1.6	11
49	Characterization of acoustic-absorbing inter/intra-ply hybrid laminated composites under dynamic loading. <i>Fibers and Polymers</i> , 2016 , 17, 439-452	2	7
48	Microstructure and characterization of electrospun poly(vinyl alcohol) nanofiber scaffolds filled with graphene nanosheets. <i>Journal of Applied Polymer Science</i> , 2015 , 132,	2.9	55
47	Determination of electromagnetic shielding and antibacterial properties of multifunctional warp-knitted fabrics. <i>Journal of the Textile Institute</i> , 2015 , 106, 1203-1211	1.5	17
46	Moisture Comfort and Antibacterial Properties of Elastic Warp-Knitted Fabrics. <i>Autex Research Journal</i> , 2015 , 15, 60-66	1	4
45	Applying vermiculite and perlite fillers to sound-absorbing/thermal-insulating resilient PU foam composites. <i>Fibers and Polymers</i> , 2015 , 16, 691-698	2	35
44	Compressive properties of high-resilience thermal-bonding cushioning inter/intra-ply hybrid composites. <i>Journal of Composite Materials</i> , 2015 , 49, 3823-3835	2.7	8
43	Quasi-static and dynamic mechanical responses of hybrid laminated composites based on high-density flexible polyurethane foam. <i>Composites Part B: Engineering</i> , 2015 , 83, 253-263	10	21
42	Low-velocity impact and static behaviors of high-resilience thermal-bonding inter/intra-ply hybrid composites. <i>Composites Part B: Engineering</i> , 2015 , 69, 58-68	10	35
41	Sound absorbent, flame retardant warp knitting spacer fabrics: Manufacturing techniques and characterization evaluations. <i>Fibers and Polymers</i> , 2015 , 16, 2682-2688	2	15
40	Manufacturing and mechanical characterization of perforated hybrid composites based on flexible polyurethane foam. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	6
39	Preparation and Compatibility Evaluation of Polypropylene/High Density Polyethylene Polyblends. <i>Materials</i> , 2015 , 8, 8850-8859	3.5	74
38	Polypropylene/Short Glass Fibers Composites: Effects of Coupling Agents on Mechanical Properties, Thermal Behaviors, and Morphology. <i>Materials</i> , 2015 , 8, 8279-8291	3.5	30
37	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	3.5	7

36	Polypropylene/Graphene and Polypropylene/Carbon Fiber Conductive Composites: Mechanical, Crystallization and Electromagnetic Properties. <i>Applied Sciences (Switzerland)</i> , 2015 , 5, 1196-1210	2.6	68
35	Wicking behavior and dynamic elastic recovery properties of multifunction elastic warp-knitted fabrics. <i>Textile Reseach Journal</i> , 2015 , 85, 1486-1496	1.7	8
34	Investigation and fabrication of multifunctional metal composite knitted fabrics. <i>Textile Reseach Journal</i> , 2015 , 85, 188-199	1.7	12
33	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	16
32	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	10
31	Wicking behavior and antibacterial properties of multifunctional knitted fabrics made from metal commingled yarns. <i>Journal of the Textile Institute</i> , 2015 , 106, 862-871	1.5	6
30	Functional Properties and Electromagnetic Shielding Behaviour of Elastic Warp-knitted Fabrics. <i>Fibres and Textiles in Eastern Europe</i> , 2015 , 23, 78-83	0.9	12
29	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	13
28	Electromagnetic shielding effectiveness and functions of stainless steel/bamboo charcoal conductive fabrics. <i>Journal of Industrial Textiles</i> , 2014 , 44, 477-494	1.6	23
27	Manufacturing process and property evaluation of sound-absorbing and thermal-insulating polyester fiber/polypropylene/thermoplastic polyurethane composite board. <i>Journal of Industrial Textiles</i> , 2014 , 43, 627-640	1.6	24
26	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	11
25	Antibacterial behavior and physical properties of silver nanoparticle-doped ecofriendly nonwoven fabrics. <i>Cellulose</i> , 2014 , 21, 1957-1964	5.5	5
24	Static and dynamic puncture behaviors of compound fabrics with recycled high-performance Kevlar fibers. <i>Composites Part B: Engineering</i> , 2014 , 59, 60-66	10	41
23	Preparation technique and property evaluation of flame-retarding/thermal-insulating/puncture-resisting PU foam composites. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	1
22	Properties and manufacture technique of the functional bamboo charcoal/metal complex fabrics. <i>Journal of Industrial Textiles</i> , 2014 , 44, 332-348	1.6	9
21	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	9
20	Mechanical and physical properties of puncture-resistance plank made of recycled selvages. <i>Fibers and Polymers</i> , 2013 , 14, 258-265	2	15
19	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	30

18	Manufacture and effectiveness evaluations of high-modulus electromagnetic interference shielding/puncture resisting composites. <i>Textile Reseach Journal</i> , 2013 , 83, 1796-1807	1.7	17
17	Acoustic absorption evaluation of high-modulus puncture resistance composites made by recycled selvages. <i>Textile Reseach Journal</i> , 2012 , 82, 1597-1611	1.7	22
16	Metal/PET Composite Knitted Fabrics and Composites: Structural Design and Electromagnetic Shielding Effectiveness. <i>Journal of Electronic Materials</i> , 2012 , 41, 2267-2273	1.9	25
15	Recycling polypropylene non-woven selvages to create far-infrared composite plates. <i>Journal of Thermoplastic Composite Materials</i> , 2012 , 25, 561-571	1.9	7
14	Effects of electrical stimulation at different frequencies on regeneration of transected peripheral nerve. <i>Neurorehabilitation and Neural Repair</i> , 2008 , 22, 367-73	4.7	87
13	Recycling Polyester and Polypropylene Nonwoven Selvages to Produce Functional Sound Absorption Composites. <i>Textile Reseach Journal</i> , 2005 , 75, 390-394	1.7	77
12	Effect of Fiber Arrangement on the Mechanical Properties of Thermally Bonded Nonwoven Fabrics. <i>Textile Reseach Journal</i> , 2003 , 73, 917-920	1.7	21
11	The Influence of the Twist Direction on the Physical Properties of a Plied Yarn in a Rotor Twister. <i>Journal of the Textile Institute</i> , 1998 , 89, 480-484	1.5	7
10	Introduction to an Innovative Rotor Twister. <i>Journal of the Textile Institute</i> , 1998 , 89, 266-273	1.5	14
9	Oxidative removal of As(III) by polyacrylonitrile@Ag-Ag ₂ O/schwertmannite nanofiber under visible light. <i>Journal of Industrial Textiles</i> ,152808372110569	1.6	
8	Silver-coated conductive composite fabric with flexible, anti-flaming for electromagnetic interference shielding. <i>Journal of Applied Polymer Science</i> ,51875	2.9	0
7	Structure design of multi-functional flexible electrocardiogram electrodes based on PEDOT:PSS-coated fabrics. <i>Journal of Industrial Textiles</i> ,152808372110226	1.6	0
6	Biodegradable and conductive PVA/CNT nanofibrous membranes used in nerve conduit applications. <i>Journal of Industrial Textiles</i> ,152808372110320	1.6	4
5	Effects of different structures on the functional and mechanical properties of elastic knitted fabrics. <i>Journal of the Textile Institute</i> ,1-9	1.5	1
4	Design and optimization of multi-scale porous sandwich composites with excellent sound absorption and cushioning properties. <i>Journal of Sandwich Structures and Materials</i> ,109963622199390	2.1	3
3	Preparation and evaluation of polyester-cotton/wire blended conductive woven fabrics for electromagnetic shielding. <i>Journal of Industrial Textiles</i> ,152808372199718	1.6	1
2	Preparation and Adsorption Performance of Nano-hydroxyapatite-Enhanced Acrylamide Hydrogel Adsorbent. <i>Journal of Polymers and the Environment</i> ,1	4.5	
1	Pomelo-inspired sandwich composites: manufacturing and cushioning property. <i>Textile Reseach Journal</i> ,004051752210950	1.7	

