

Ching-Wen Lou

List of Publications by Year in descending order

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275
papers

4,394
citations

147801

31
h-index

223800

46
g-index

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all docs

277
docs citations

277
times ranked

3588
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile method for tent fabrics with eco-friendly/durable properties using waterborne polyurethane/lignin: Preparation and evaluation. <i>Journal of Industrial Textiles</i> , 2022, 51, 4149S-4166S.	2.4	9
2	A study on design and properties of woven-nonwoven multi-layered hybrid geotextiles. <i>Journal of Industrial Textiles</i> , 2022, 51, 640S-658S.	2.4	3
3	Using antibacterial fibers and metallic wires to make woven fabrics used as smart diapers. <i>Journal of Industrial Textiles</i> , 2022, 51, 9017S-9030S.	2.4	4
4	High-strength protective polyester textiles incorporated with metallic materials: Characterizations and radiation-shielding effectiveness. <i>Journal of Industrial Textiles</i> , 2022, 51, 1585-1600.	2.4	4
5	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
6	Effects of different structures on the functional and mechanical properties of elastic knitted fabrics. <i>Journal of the Textile Institute</i> , 2022, 113, 332-340.	1.9	2
7	Structure design of multi-functional flexible electrocardiogram electrodes based on PEDOT:PSS-coated fabrics. <i>Journal of Industrial Textiles</i> , 2022, 51, 8077S-8091S.	2.4	3
8	Biodegradable and conductive PVA/CNT nanofibrous membranes used in nerve conduit applications. <i>Journal of Industrial Textiles</i> , 2022, 51, 1048S-1065S.	2.4	6
9	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
10	Construction of BiOI/TiO ₂ 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.	8.0	43
11	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.	6.1	15
12	Enhanced sandwich structure composite with shear thickening fluid and thermoplastic polyurethanes for High-performance stab resistance. <i>Composite Structures</i> , 2022, 280, 114930.	5.8	31
13	Bionic micro-interface lattice foam-core composites: Manufacturing techniques, compression resistance, bursting strength, low-velocity impact, and dynamic cushion efficacy. <i>Polymers for Advanced Technologies</i> , 2022, 33, 738-749.	3.2	3
14	<sc>Silver-coated</sc> conductive composite fabric with flexible, anti-flaming for electromagnetic interference shielding. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51875.	2.6	7
15	Novel Composite Planks Made of Shape Memory Polyurethane Foaming Material with Two-Step Foaming Process. <i>Polymers</i> , 2022, 14, 275.	4.5	4
16	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
17	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.	6.1	29
18	Preparation and Adsorption Performance of Nano-hydroxyapatite-Enhanced Acrylamide Hydrogel Adsorbent. <i>Journal of Polymers and the Environment</i> , 2022, 30, 2919-2927.	5.0	6

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19	Functional Hollow Ceramic Microsphere/Flexible Polyurethane Foam Composites with a Cell Structure: Mechanical Property and Sound Absorptivity. <i>Polymers</i> , 2022, 14, 913.	4.5	5
20	Lay-Up Compound Matrices for Application of Medical Protective Clothing: Manufacturing Techniques and Property Evaluations. <i>Polymers</i> , 2022, 14, 1179.	4.5	4
21	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
22	A Study on Carbon Fiber Composites with Low-Melting-Point Polyester Nonwoven Fabric Reinforcement: A Highly Effective Electromagnetic Wave Shield Textile Material. <i>Polymers</i> , 2022, 14, 1181.	4.5	6
23	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.	2.4	8
24	Natural clay-reinforced hydrogel adsorbent: Rapid adsorption of heavy metal ions and dyes from textile wastewater. <i>Water Environment Research</i> , 2022, 94, e10698.	2.7	6
25	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
26	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.	5.2	34
27	Electrospinning PVP/Urushiol/Ag nanofilms: Use as wrapper of stainless steel yarns. <i>Progress in Organic Coatings</i> , 2022, 166, 106797.	3.9	5
28	Hemostasis Evaluation of Antibacterial and Highly Absorbent Composite Wound Dressings in Animal Hemostasis Models. <i>Polymers</i> , 2022, 14, 1764.	4.5	3
29	Preparation and Characterization of PEDOT:PSS/TiO ₂ Micro/Nanofiber-Based Gas Sensors. <i>Polymers</i> , 2022, 14, 1780.	4.5	3
30	Flexible micro-nano composite membranes based on a two-step strategy: charge recovery and efficient gradient air filtration. <i>Polymer International</i> , 2022, 71, 1257-1266.	3.1	3
31	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.	5.2	8
32	Photocatalytic reduction of Cr(VI) by Bi ₂ .15WO ₆ complexed with polydopamine: Contribution of the ligand-to-metal charge transfer path. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 50-61.	9.4	8
33	Near room-temperature in situ interfacial polymerization for PEDOT-based thermoelectric textile. <i>Materials Today Communications</i> , 2022, 32, 103856.	1.9	1
34	A Study on Preparation and Property Evaluations of Composites Consisting of TPU/Triclosan Membranes and Tencel®/LMPET Nonwoven Fabrics. <i>Polymers</i> , 2022, 14, 2514.	4.5	3
35	A Study on Highly Effective Electromagnetic Wave Shield Textile Shell Fabrics Made of Point Polyester/Metallic Core-Spun Yarns. <i>Polymers</i> , 2022, 14, 2536.	4.5	5
36	Enhanced fluorescent performance of modacrylic/cotton blended fabric by pretreatment with sodium chlorite bleaching. <i>Textile Research Journal</i> , 2022, 92, 4722-4735.	2.2	5

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37	Fabrication of polyacrylonitrile/polyvinyl alcohol/TPU with highly breathable, permeable performances for directional water transport Janus fibrous membranes by sandwich structural design. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 2817-2831.	3.5	8
38	Durability and adsorption of heavy metal ions of glass-geogrid-reinforced geosynthetic clay liners. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 2798-2816.	3.5	0
39	Dynamic cushion, quasi-static stab resistance, and acoustic absorption analyses of flexible multifunctional inter-/intra-bonded sandwich-structured composites. <i>Journal of the Textile Institute</i> , 2021, 112, 47-55.	1.9	4
40	Mechanical properties of needle-punched/thermally treated non-woven fabrics produced from recycled materials. <i>Journal of the Textile Institute</i> , 2021, 112, 23-29.	1.9	6
41	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.	1.9	9
42	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
43	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.	7.6	31
44	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
45	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
46	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.	3.1	1
47	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.	3.5	14
48	A Facile Method to Fabricate Bioenvironmentally Friendly Janus Nonwoven Medical Covers: Preparation and Property Evaluation. <i>Fibers and Polymers</i> , 2021, 22, 123-130.	2.1	1
49	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	7
50	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
51	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.	5.6	42
52	Preparation and mechanical properties characterization: plasma-modified expanded vermiculite/fabric-reinforced foam composite materials. <i>Polymer International</i> , 2021, 70, 1255-1263.	3.1	0
53	Reinforcing Techniques and Property Evaluations of Electromagnetic Shielding Effective Fabrics Based on Polypropylene-coated Carbon Fibers. <i>Fibers and Polymers</i> , 2021, 22, 658-663.	2.1	3
54	Structural Design and Property Evaluations of Foam-based Composite Materials: Effect of Perforation Depth and Foam Density on the Mechanical, Sound Absorption, and Thermal Properties. <i>Fibers and Polymers</i> , 2021, 22, 587-596.	2.1	6

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55	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.	4.8	51
56	MXene-coated conductive composite film with ultrathin, flexible, self-cleaning for high-performance electromagnetic interference shielding. <i>Chemical Engineering Journal</i> , 2021, 412, 128681.	12.7	79
57	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.	5.8	15
58	Polypropylene/Carbon Fiber Composite Layered Materials: Electromagnetic Interference Shielding Effect and Mechanical Performance. <i>Fibers and Polymers</i> , 2021, 22, 2552-2562.	2.1	9
59	Two-step strategy for constructing hierarchical pore structured chitosan-hydroxyapatite composite scaffolds for bone tissue engineering. <i>Carbohydrate Polymers</i> , 2021, 260, 117765.	10.2	43
60	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.	7.6	16
61	Carbon nanotube/polypropylene/polycarbonate conductive nanocomposite films: Preparation and characterization. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51276.	2.6	1
62	Low-cost hydrogel adsorbent enhanced by trihydroxy melamine and β -cyclodextrin for the removal of Pb(II) and Ni(II) in water. <i>Journal of Hazardous Materials</i> , 2021, 411, 125029.	12.4	58
63	Enhancement of a Novel Sizing Agent in Mechanical Properties and Stab/Puncture Resistance of Kevlar Fabrics. <i>Fibers and Polymers</i> , 2021, 22, 3309-3316.	2.1	4
64	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
65	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.	12.0	30
66	Synthesis of a Compound Phosphorus-Nitrogen Intumescent Flame Retardant for Applications to Raw Lacquer. <i>Polymers</i> , 2021, 13, 2858.	4.5	8
67	Evaluations of Electrostatic Filtration Efficiency and Antibacterial Efficacy of Antibacterial Electret Polypropylene Filters: Effects of Using Low Molecular Antibacterial Agent as Additive. <i>Polymers</i> , 2021, 13, 3303.	4.5	5
68	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.	12.7	34
69	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.	12.7	47
70	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.	3.5	12
71	Study on fabric/polyurethane high strength porous composite foam: Pb ²⁺ adsorption properties and mechanical properties. <i>Polymer Composites</i> , 2021, 42, 6322-6331.	4.6	4
72	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

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73	Preparation of Ag@ZIF-8@PP Melt-Blown Nonwoven Fabrics: Air Filter Efficacy and Antibacterial Effect. <i>Polymers</i> , 2021, 13, 3773.	4.5	12
74	MXene-coated multi-response conductive film based on layer-by-layer assembly strategy for electromagnetic interference shielding. <i>Journal of Materials Research and Technology</i> , 2021, 15, 6011-6024.	5.8	8
75	The Strategy of Achieving Flexibility in Materials and Configuration of Flexible Lithium-Ion Batteries. <i>Energy Technology</i> , 2021, 9, .	3.8	9
76	Fabrication, properties, and failure of composite sandwiches made with sheet extrusion method. <i>Journal of Sandwich Structures and Materials</i> , 2020, 22, 689-701.	3.5	4
77	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.	3.5	1
78	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.	3.5	6
79	Polyethylene terephthalate/basalt stab-resistant sandwich composites based on the Box-Behnken design: Parameter optimization and empirical regression model. <i>Journal of Sandwich Structures and Materials</i> , 2020, 22, 2391-2407.	3.5	10
80	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.	2.4	9
81	Manufacturing techniques and property evaluations of stainless steel composite fabrics. <i>Journal of Industrial Textiles</i> , 2020, 50, 740-753.	2.4	0
82	Using unwrapped filament tows to strengthen sandwich composites: Puncture and bursting resistance. <i>Journal of Industrial Textiles</i> , 2020, 49, 1374-1388.	2.4	2
83	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.	3.5	2
84	Sports protective elastic knits: structure design and property evaluations. <i>Journal of the Textile Institute</i> , 2020, 111, 424-433.	1.9	2
85	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
86	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.	7.6	124
87	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
88	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
89	Core-shell structured TiO ₂ @PVDF/PAN electrospun membranes for photocatalysis and oil-water separation. <i>Polymer Composites</i> , 2020, 41, 1013-1023.	4.6	40
90	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.	5.8	15

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91	Polypropylene/Polyvinyl Alcohol/Metal-Organic Framework-Based Melt-Blown Electrospun Composite Membranes for Highly Efficient Filtration of PM2.5. <i>Nanomaterials</i> , 2020, 10, 2025.	4.1	29
92	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.	3.9	20
93	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.	8.0	83
94	Shielding-benefit Evaluation of Electromagnetic Radiation and UV Radiation for Multifunctional Composite Polypropylene Woven Fabrics. <i>Fibers and Polymers</i> , 2020, 21, 2380-2388.	2.1	4
95	Impact resistance of fiber reinforced sandwich-structured nonwoven composites: Reinforcing effect of different fiber length. <i>Materials Today Communications</i> , 2020, 24, 101345.	1.9	8
96	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
97	Polyvinylidene Fluoride Electrospun Fibers Loaded TiO ₂ for Photocatalytic Degradation and Oil/Water Separation. <i>Fibers and Polymers</i> , 2020, 21, 1475-1487.	2.1	15
98	A novel processing technique of carbon fiber/copper wire reinforced thermoplastic composites to improve <sc>EMI SE</sc> performance. <i>Polymer Composites</i> , 2020, 41, 5135-5142.	4.6	5
99	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.	3.9	8
100	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.	9.3	16
101	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.	3.9	15
102	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
103	<sc>Adhesion</sc> composites made of elastic polymer films and high resilience nonwoven fabrics: Manufacturing techniques and property evaluations. <i>Polymer Composites</i> , 2020, 41, 2768-2776.	4.6	6
104	Recent advances in multifunctional hydroxyapatite coating by electrochemical deposition. <i>Journal of Materials Science</i> , 2020, 55, 6352-6374.	3.7	68
105	Mechanical properties of a STF capsule filled flexible polyurethane composite foam. <i>Materials Letters</i> , 2020, 269, 127580.	2.6	13
106	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
107	Zeolitic Imidazolate Framework-8/Polypropylene Polycarbonate Barklike Meltblown Fibrous Membranes by a Facile in Situ Growth Method for Efficient PM _{2.5} Capture. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8730-8739.	8.0	95
108	In situ growth polydopamine decorated polypropylene melt-blown membrane for highly efficient oil/water separation. <i>Chemosphere</i> , 2020, 254, 126873.	8.2	61

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109	Polysulfonamide/Stainless Steel Woven Fabrics: Manufacturing Techniques, Flame Retardance and Electromagnetic Shielding Effectiveness. <i>Fibers and Polymers</i> , 2020, 21, 775-784.	2.1	3
110	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
111	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.	7.5	40
112	Facile preparation of PAN@Ag@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.	3.7	7
113	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.	12.0	24
114	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.	2.4	6
115	Manufacturing techniques and property evaluations of conductive elastic knits. <i>Journal of Industrial Textiles</i> , 2019, 49, 503-533.	2.4	4
116	One-Step Bark-Like Imitated Polypropylene (PP)/Polycarbonate (PC) Nanofibrous Meltblown Membrane for Efficient Particulate Matter Removal. <i>Polymers</i> , 2019, 11, 1307.	4.5	15
117	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.	7.3	48
118	Bamboo Charcoal/Quick-Dry/Metallic Elastic Knits: Manufacturing Techniques and Property Evaluations. <i>Fibers and Polymers</i> , 2019, 20, 1504-1518.	2.1	0
119	Expanded Vermiculite-Filled Polyurethane Foam-Core Bionic Composites: Preparation and Thermal, Compression, and Dynamic Cushion Properties. <i>Polymers</i> , 2019, 11, 1028.	4.5	12
120	Mechanical and Static Stab Resistant Properties of Hybrid-Fabric Fibrous Planks: Manufacturing Process of Nonwoven Fabrics Made of Recycled Fibers. <i>Polymers</i> , 2019, 11, 1140.	4.5	12
121	Characteristics, Compression, and Buffering Performance of Pomelo-Like Hierarchical Capsules Containing Shear Thickening Fluid. <i>Polymers</i> , 2019, 11, 1138.	4.5	7
122	Polyethylene Terephthalate/Carbon Fabric/Polyurethane Foam Sandwich Composites: Flame Retardance and Mechanical Properties. <i>Fibers and Polymers</i> , 2019, 20, 1277-1283.	2.1	3
123	Additive Manufacturing of Nerve Decellularized Extracellular Matrix-Contained Polyurethane Conduits for Peripheral Nerve Regeneration. <i>Polymers</i> , 2019, 11, 1612.	4.5	31
124	Mechanical Characterization and Impact Damage Assessment of Hybrid Three-Dimensional Five-Directional Composites. <i>Polymers</i> , 2019, 11, 1395.	4.5	15
125	Oxalic Acid-Induced Photodissolution of Ferrihydrite and the Fate of Loaded As(V): Kinetics and Mechanism. <i>Nanomaterials</i> , 2019, 9, 1143.	4.1	3
126	Preparation and characterization of SEBS-g-MAH-filled flexible polyurethane foam composites with gradient-changing structure. <i>Materials and Design</i> , 2019, 183, 108150.	7.0	28

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127	Processing and characterizations of rotary linear needleless electrospun polyvinyl alcohol(PVA)/Chitosan(CS)/Graphene(Gr) nanofibrous membranes. Journal of Materials Research and Technology, 2019, 8, 5124-5132.	5.8	45
128	High-performance hybrid composites made of recycled Nomex, Kevlar, and polyester selvages: mechanical property evaluations. Journal of the Textile Institute, 2019, 110, 1767-1773.	1.9	2
129	Bioinspired foam composites resembling pomelo peel: Structural design and compressive, bursting and cushioning properties. Composites Part B: Engineering, 2019, 172, 290-298.	12.0	63
130	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. Polymers for Advanced Technologies, 2019, 30, 2045-2055.	3.2	30
131	Preparation and property evaluations of zeolite rigid foam composites. Polymer Composites, 2019, 40, 4175-4185.	4.6	3
132	Properties and Mechanism of Hydroxyapatite Coating Prepared by Electrodeposition on a Braid for Biodegradable Bone Scaffolds. Nanomaterials, 2019, 9, 679.	4.1	39
133	Synergistic Effect and Characterization of Graphene/Carbon Nanotubes/Polyvinyl Alcohol/Sodium Alginate Nanofibrous Membranes Formed Using Continuous Needleless Dynamic Linear Electrospinning. Nanomaterials, 2019, 9, 714.	4.1	26
134	Superhydrophobic/Flame Retardant/EMI Shielding Fabrics: Manufacturing Techniques and Property Evaluations. Applied Sciences (Switzerland), 2019, 9, 1914.	2.5	8
135	Optimizing the processing parameters of mechanical and hydraulic conductivity of geotextile liner. Materials and Manufacturing Processes, 2019, 34, 999-1007.	4.7	4
136	Investigation of the Shear Thickening Fluid Encapsulation in an Orifice Coagulation Bath. Polymers, 2019, 11, 519.	4.5	11
137	Effects of STF and Fiber Characteristics on Quasi-Static Stab Resistant Properties of Shear Thickening Fluid (STF)-Impregnated UHMWPE/Kevlar Composite Fabrics. Fibers and Polymers, 2019, 20, 328-336.	2.1	17
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