Hao-Yang Mi

List of Publications by Year
in descending order

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149 papers	7,993 citations	43973 48 h-index	58464 82 g-index
149 all docs	149 docs citations	149 times ranked	9007 citing authors

#	Article	IF	Citations
1	Highly Stretchable and Biocompatible Strain Sensors Based on Mussel-Inspired Super-Adhesive Self-Healing Hydrogels for Human Motion Monitoring. ACS Applied Materials & Interfaces, 2018, 10, 20897-20909.	4.0	398
2	Facile preparation of lightweight high-strength biodegradable polymer/multi-walled carbon nanotubes nanocomposite foams for electromagnetic interference shielding. Carbon, 2016, 105, 305-313.	5.4	374
3	Biocompatible, self-healing, highly stretchable polyacrylic acid/reduced graphene oxide nanocomposite hydrogel sensors via mussel-inspired chemistry. Carbon, 2018, 136, 63-72.	5.4	282
4	Highly compressible ultra-light anisotropic cellulose/graphene aerogel fabricated by bidirectional freeze drying for selective oil absorption. Carbon, 2018, 132, 199-209.	5.4	278
5	Mussel-inspired electroactive chitosan/graphene oxide composite hydrogel with rapid self-healing and recovery behavior for tissue engineering. Carbon, 2017, 125, 557-570.	5.4	253
6	Characterization of thermoplastic polyurethane/polylactic acid (TPU/PLA) tissue engineering scaffolds fabricated by microcellular injection molding. Materials Science and Engineering C, 2013, 33, 4767-4776.	3.8	235
7	High-performance flexible triboelectric nanogenerator based on porous aerogels and electrospun nanofibers for energy harvesting and sensitive self-powered sensing. Nano Energy, 2018, 48, 327-336.	8.2	205
8	Highly transparent, stretchable, and rapid self-healing polyvinyl alcohol/cellulose nanofibril hydrogel sensors for sensitive pressure sensing and human motion detection. Sensors and Actuators B: Chemical, 2019, 295, 159-167.	4.0	199
9	Fabrication of scaffolds in tissue engineering: A review. Frontiers of Mechanical Engineering, 2018, 13, 107-119.	2.5	183
10	Shape memory thermoplastic polyurethane (TPU)/poly(Îµ-caprolactone) (PCL) blends as self-knotting sutures. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 64, 94-103.	1.5	136
11	ZIF-8-Based Membranes for Carbon Dioxide Capture and Separation. ACS Sustainable Chemistry and Engineering, 2017, 5, 11204-11214.	3.2	129
12	Shish-Kebab-Structured Poly(Îµ-Caprolactone) Nanofibers Hierarchically Decorated with Chitosanâ€“Poly(Îµ-Caprolactone) Copolymers for Bone Tissue Engineering. ACS Applied Materials & Interfaces, 2015, 7, 6955-6965.	4.0	126
13	Fabrication of Poly(lactic acid)/Graphene Oxide Foams with Highly Oriented and Elongated Cell Structure via Unidirectional Foaming Using Supercritical Carbon Dioxide. Industrial & Engineering Chemistry Research, 2015, 54, 758-768.	1.8	124
14	Electrospinning thermoplastic polyurethane/graphene oxide scaffolds for small diameter vascular graft applications. Materials Science and Engineering C, 2015, 49, 40-50.	3.8	122
15	Magnetically driven superhydrophobic silica sponge decorated with hierarchical cobalt nanoparticles for selective oil absorption and oil/water separation. Chemical Engineering Journal, 2018, 337, 541-551.	6.6	112
16	Lightweight multifunctional polypropylene/carbon nanotubes/carbon black nanocomposite foams with segregated structure, ultralow percolation threshold and enhanced electromagnetic interference shielding performance. Composites Science and Technology, 2020, 193, 108116.	3.8	110
17	Poly(Îµ-caprolactone) (PCL)/cellulose nano-crystal (CNC) nanocomposites and foams. Cellulose, 2014, 21, 2727-2741.	2.4	107
18	The morphology, properties, and shape memory behavior of polylactic acid/thermoplastic polyurethane blends. Polymer Engineering and Science, 2015, 55, 70-80.	1.5	106

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19	Double network hydrogel for tissue engineering. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2018, 10, e1520.	3.3	104
20	Triboelectric Nanogenerators Made of Porous Polyamide Nanofiber Mats and Polyimide Aerogel Film: Output Optimization and Performance in Circuits. ACS Applied Materials & Interfaces, 2018, 10, 30596-30606.	4.0	103
21	Synthesis of DOPO-HQ-functionalized graphene oxide as a novel and efficient flame retardant and its application on polylactic acid: Thermal property, flame retardancy, and mechanical performance. Journal of Colloid and Interface Science, 2018, 524, 267-278.	5.0	99
22	Biocompatible, degradable thermoplastic polyurethane based on polycaprolactone-block-polytetrahydrofuran-block-polycaprolactone copolymers for soft tissue engineering. Journal of Materials Chemistry B, 2017, 5, 4137-4151.	2.9	89
23	Enhancing the Performance of Fabric-Based Triboelectric Nanogenerators by Structural and Chemical Modification. ACS Applied Materials & Interfaces, 2021, 13, 16916-16927.	4.0	89
24	Effect of Poly(butylenes succinate) on Poly(lactic acid) Foaming Behavior: Formation of Open Cell Structure. Industrial & Engineering Chemistry Research, 2015, 54, 6199-6207.	1.8	84
25	Highly porous composite aerogel based triboelectric nanogenerators for high performance energy generation and versatile self-powered sensing. Nanoscale, 2018, 10, 23131-23140.	2.8	80
26	Electrospun poly (butylene succinate)/cellulose nanocrystals bio-nanocomposite scaffolds for tissue engineering: Preparation, characterization and in vitro evaluation. Polymer Testing, 2018, 71, 101-109.	2.3	79
27	Thermoplastic polyurethane/hydroxyapatite electrospun scaffolds for bone tissue engineering: Effects of polymer properties and particle size. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 1434-1444.	1.6	77
28	Electrospun aligned poly(propylene carbonate) microfibers with chitosan nanofibers as tissue engineering scaffolds. Carbohydrate Polymers, 2015, 117, 941-949.	5.1	76
29	Enhancing the Performance of a Stretchable and Transparent Triboelectric Nanogenerator by Optimizing the Hydrogel Ionic Electrode Property. ACS Applied Materials & Interfaces, 2020, 12, 23474-23483.	4.0	76
30	Highly Stretchable, Self-Healable, Freezing-Tolerant, and Transparent Polyacrylic Acid/Nanochitin Composite Hydrogel for Self-Powered Multifunctional Sensors. ACS Sustainable Chemistry and Engineering, 2021, 9, 9209-9220.	3.2	76
31	Asymmetric layered structural design with segregated conductive network for absorption-dominated high-performance electromagnetic interference shielding. Chemical Engineering Journal, 2021, 416, 129083.	6.6	76
32	Fabrication of poly(Îµ-caprolactone) tissue engineering scaffolds with fibrillated and interconnected pores utilizing microcellular injection molding and polymer leaching. RSC Advances, 2017, 7, 43432-43444.	1.7	75
33	Comparison between PCL/hydroxyapatite (HA) and PCL/halloysite nanotube (HNT) composite scaffolds prepared by co-extrusion and gas foaming. Materials Science and Engineering C, 2017, 72, 53-61.	3.8	73
34	Highly Durable Superhydrophobic Polymer Foams Fabricated by Extrusion and Supercritical CO₂ Foaming for Selective Oil Absorption. ACS Applied Materials & Interfaces, 2019, 11, 7479-7487.	4.0	72
35	Electrospinning of unidirectionally and orthogonally aligned thermoplastic polyurethane nanofibers: Fiber orientation and cell migration. Journal of Biomedical Materials Research - Part A, 2015, 103, 593-603.	2.1	69
36	Superior Impact Toughness and Excellent Storage Modulus of Poly(lactic acid) Foams Reinforced by Shish-Kebab Nanoporous Structure. ACS Applied Materials & Interfaces, 2017, 9, 21071-21076.	4.0	69

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37	Superhydrophobic Graphene/Cellulose/Silica Aerogel with Hierarchical Structure as Superabsorbers for High Efficiency Selective Oil Absorption and Recovery. Industrial & Engineering Chemistry Research, 2018, 57, 1745-1755.	1.8	69
38	High-strength, flexible and cycling-stable piezo-resistive polymeric foams derived from thermoplastic polyurethane and multi-wall carbon nanotubes. Composites Part B: Engineering, 2020, 199, 108279.	5.9	68
39	Fabrication of triple-layered vascular grafts composed of silk fibers, polyacrylamide hydrogel, and polyurethane nanofibers with biomimetic mechanical properties. Materials Science and Engineering C, 2019, 98, 241-249.	3.8	67
40	Stretchable gelatin/silver nanowires composite hydrogels for detecting human motion. Materials Letters, 2019, 237, 53-56.	1.3	66
41	Poly (propylene carbonate)-based in situ nanofibrillar biocomposites with enhanced miscibility, dynamic mechanical properties, rheological behavior and extrusion foaming ability. Composites Part B: Engineering, 2017, 123, 112-123.	5.9	62
42	Morphology, mechanical properties, and mineralization of rigid thermoplastic polyurethane/hydroxyapatite scaffolds for bone tissue applications: effects of fabrication approaches and hydroxyapatite size. Journal of Materials Science, 2014, 49, 2324-2337.	1.7	60
43	Molecular Beacon Nano-Sensors for Probing Living Cancer Cells. Trends in Biotechnology, 2017, 35, 347-359.	4.9	58
44	In situ synthesis of polyurethane scaffolds with tunable properties by controlled crosslinking of tri-block copolymer and polycaprolactone triol for tissue regeneration. Chemical Engineering Journal, 2018, 348, 786-798.	6.6	58
45	Preparation, Properties, and Applications of Graphene-Based Hydrogels. Frontiers in Chemistry, 2018, 6, 450.	1.8	56
46	Promoting endothelial cell affinity and antithrombogenicity of polytetrafluoroethylene (PTFE) by mussel-inspired modification and RGD/heparin grafting. Journal of Materials Chemistry B, 2018, 6, 3475-3485.	2.9	56
47	Fabrication of porous synthetic polymer scaffolds for tissue engineering. Journal of Cellular Plastics, 2015, 51, 165-196.	1.2	52
48	Engineering multilayered MXene/electrospun poly(lactic acid) membrane with increscent electromagnetic interference (EMI) shielding for integrated Joule heating and energy generating. Composites Communications, 2021, 26, 100770.	3.3	51
49	High performance high-density polyethylene/hydroxyapatite nanocomposites for load-bearing bone substitute: fabrication, in vitro and in vivo biocompatibility evaluation. Composites Science and Technology, 2019, 175, 100-110.	3.8	50
50	Fabrication of fibrous silica sponges by self-assembly electrospinning and their application in tissue engineering for three-dimensional tissue regeneration. Chemical Engineering Journal, 2018, 331, 652-662.	6.6	49
51	Versatile Janus Composite Nonwoven Solar Absorbers with Salt Resistance for Efficient Wastewater Purification and Desalination. ACS Applied Materials & Interfaces, 2021, 13, 24945-24956.	4.0	49
52	Fabrication of polylactic acid/polyethylene glycol (<scp>PLA</scp>/<scp>PEG</scp>) porous scaffold by supercritical <scp>CO</scp>₂ foaming and particle leaching. Polymer Engineering and Science, 2015, 55, 1339-1348.	1.5	48
53	Approaches to Fabricating Multiple-Layered Vascular Scaffolds Using Hybrid Electrospinning and Thermally Induced Phase Separation Methods. Industrial & Engineering Chemistry Research, 2016, 55, 882-892.	1.8	48
54	Development of biomimetic thermoplastic polyurethane/fibroin smallâ€diameter vascular grafts via a novel electrospinning approach. Journal of Biomedical Materials Research - Part A, 2018, 106, 985-996.	2.1	47

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55	Patchable micro/nanodevices interacting with skin. Biosensors and Bioelectronics, 2018, 122, 189-204.	5.3	47
56	Fabrication of Porous Poly(Îµ-caprolactone) Scaffolds Containing Chitosan Nanofibers by Combining Extrusion Foaming, Leaching, and Freeze-Drying Methods. Industrial & Engineering Chemistry Research, 2014, 53, 17909-17918.	1.8	46
57	Instantaneous self-assembly of three-dimensional silica fibers in electrospinning: Insights into fiber deposition behavior. Materials Letters, 2017, 204, 45-48.	1.3	46
58	Freezing-tolerant, widely detectable and ultra-sensitive composite organohydrogel for multiple sensing applications. Journal of Materials Chemistry C, 2021, 9, 10127-10137.	2.7	46
59	Carbon black and polydopamine modified non-woven fabric enabling efficient solar steam generation towards seawater desalination and wastewater purification. Separation and Purification Technology, 2021, 278, 119621.	3.9	46
60	Preparation of thermoplastic polyurethane/graphene oxide composite scaffolds by thermally induced phase separation. Polymer Composites, 2014, 35, 1408-1417.	2.3	45
61	Electrospinning Homogeneous Nanofibrous Poly(propylene carbonate)/Gelatin Composite Scaffolds for Tissue Engineering. Industrial & Engineering Chemistry Research, 2014, 53, 9391-9400.	1.8	45
62	Morphology, mechanical properties, and shape memory effects of poly(lactic acid)/ thermoplastic polyurethane blend scaffolds prepared by thermally induced phase separation. Journal of Cellular Plastics, 2014, 50, 361-379.	1.2	45
63	Mechanical properties, crystallization characteristics, and foaming behavior of polytetrafluoroethylene-reinforced poly(lactic acid) composites. Polymer Engineering and Science, 2017, 57, 570-580.	1.5	44
64	Controlling Superwettability by Microstructure and Surface Energy Manipulation on Three-Dimensional Substrates for Versatile Gravity-Driven Oil/Water Separation. ACS Applied Materials & Interfaces, 2017, 9, 37529-37535.	4.0	43
65	Fabrication of fluffy shish-kebab structured nanofibers by electrospinning, CO2 escaping foaming and controlled crystallization for biomimetic tissue engineering scaffolds. Chemical Engineering Journal, 2019, 372, 785-795.	6.6	43
66	Fabrication of thermoplastic polyurethane tissue engineering scaffold by combining microcellular injection molding and particle leaching. Journal of Materials Research, 2014, 29, 911-922.	1.2	42
67	Manipulating the structure and mechanical properties of thermoplastic polyurethane/polycaprolactone hybrid small diameter vascular scaffolds fabricated via electrospinning using an assembled rotating collector. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 78, 433-441.	1.5	42
68	Assessment of a passive exoskeleton system on spinal biomechanics and subjective responses during manual repetitive handling tasks among construction workers. Safety Science, 2021, 142, 105382.	2.6	42
69	A novel thermoplastic polyurethane scaffold fabrication method based on injection foaming with water and supercritical carbon dioxide as coblowing agents. Polymer Engineering and Science, 2014, 54, 2947-2957.	1.5	41
70	Characterization and properties of electrospun thermoplastic polyurethane blend fibers: Effect of solution rheological properties on fiber formation. Journal of Materials Research, 2013, 28, 2339-2350.	1.2	40
71	Carbon nanotube (CNT) and nanofibrillated cellulose (NFC) reinforcement effect on thermoplastic polyurethane (TPU) scaffolds fabricated via phase separation using dimethyl sulfoxide (DMSO) as solvent. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 62, 417-427.	1.5	39
72	Synthetic Melanin E-Ink. ACS Applied Materials & Interfaces, 2017, 9, 16553-16560.	4.0	39

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73	Morphological Structure, Rheological Behavior, Mechanical Properties and Sound Insulation Performance of Thermoplastic Rubber Composites Reinforced by Different Inorganic Fillers. Polymers, 2018, 10, 276.	2.0	37
74	Ultrastretchable, self-healable and adhesive composite organohydrogels with a fast response for humanâ€“machine interface applications. Journal of Materials Chemistry C, 2022, 10, 8266-8277.	2.7	36
75	Fabrication of triple-layered vascular scaffolds by combining electrospinning, braiding, and thermally induced phase separation. Materials Letters, 2015, 161, 305-308.	1.3	34
76	Formation of stretched fibrils and nanohybrid shish-kebabs in isotactic polypropylene-based nanocomposites by application of a dynamic oscillatory shear. Chemical Engineering Journal, 2018, 348, 546-556.	6.6	33
77	Facile fabrication of fully biodegradable and biorenewable poly (lactic acid)/poly (butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 excellent heat resistance. Polymer Degradation and Stability, 2020, 171, 109044.	2.7	33
78	Skinless porous films generated by supercritical CO2 foaming for high-performance complementary shaped triboelectric nanogenerators and self-powered sensors. Nano Energy, 2021, 87, 106148.	8.2	33
79	Recent advancements in self-healing composite elastomers for flexible strain sensors: Materials, healing systems, and features. Sensors and Actuators A: Physical, 2021, 329, 112800.	2.0	32
80	Influence and prediction of processing parameters on the properties of microcellular injection molded thermoplastic polyurethane based on an orthogonal array test. Journal of Cellular Plastics, 2013, 49, 439-458.	1.2	31
81	Properties and fibroblast cellular response of soft and hard thermoplastic polyurethane electrospun nanofibrous scaffolds. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2015, 103, 960-970.	1.6	30
82	Superhydrophobic cellulose nanofibril/silica fiber/Fe3O4 nanocomposite aerogel for magnetically driven selective oil absorption. Cellulose, 2020, 27, 8909-8922.	2.4	30
83	Silk and Silk Composite Aerogel-Based Biocompatible Triboelectric Nanogenerators for Efficient Energy Harvesting. Industrial & Engineering Chemistry Research, 2020, 59, 12399-12408.	1.8	30
84	Green fabrication of double-sided self-supporting triboelectric nanogenerator with high durability for energy harvesting and self-powered sensing. Nano Energy, 2022, 93, 106827.	8.2	29
85	Fabrication of shishâ€“kebab structured poly(Îµ-caprolactone) electrospun nanofibers that mimic collagen fibrils: Effect of solvents and matrigel functionalization. Polymer, 2014, 55, 5396-5406.	1.8	28
86	A flexible semitransparent dual-electrode hydrogel based triboelectric nanogenerator with tough interfacial bonding and high energy output. Journal of Materials Chemistry C, 2020, 8, 5752-5760.	2.7	28
87	Gradient wetting state for droplet transportation and efficient fog harvest on nanopillared cicada wing surface. Materials Letters, 2018, 221, 123-127.	1.3	26
88	Multifunctional electromagnetic interference shielding films comprised of multilayered thermoplastic polyurethane membrane and silver nanowire. Composites Part A: Applied Science and Manufacturing, 2021, 147, 106472.	3.8	26
89	External flow-induced highly oriented and dense nanohybrid shish-kebabs: A strategy for achieving high performance in poly (lactic acid) composites. Composites Communications, 2022, 29, 101042.	3.3	26
90	Preparation of highly porous interconnected poly(lactic acid) scaffolds based on a novel dynamic elongational flow procedure. Materials and Design, 2016, 101, 285-293.	3.3	25

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91	Fabrication of Three-Dimensional Fluffy Nanofibrous Scaffolds for Tissue Engineering via Electrospinning and CO₂ Escaping Foaming. Industrial & Engineering Chemistry Research, 2019, 58, 9412-9421.	1.8	24
92	In vitro evaluations of electrospun nanofiber scaffolds composed of poly(É›-caprolactone) and polyethylenimine. Journal of Materials Research, 2015, 30, 1808-1819.	1.2	23
93	Post-crosslinkable biodegradable thermoplastic polyurethanes: Synthesis, and thermal, mechanical, and degradation properties. Materials and Design, 2017, 127, 106-114.	3.3	23
94	Investigation of poly(<scp>l</scp>-lactic acid)/graphene oxide composites crystallization and nanopore foaming behaviors via supercritical carbon dioxide low temperature foaming. Journal of Materials Research, 2016, 31, 348-359.	1.2	22
95	Effect of poly(ethylene glycol) on the properties and foaming behavior of macroporous poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	21
96	Formation of nanoscale pores in shish-kebab structured isotactic polypropylene by supercritical CO2 foaming. Materials Letters, 2016, 167, 274-277.	1.3	20
97	Approach to Fabricating Thermoplastic Polyurethane Blends and Foams with Tunable Properties by Twinâ€Screw Extrusion and Microcellular Injection Molding. Advances in Polymer Technology, 2014, 33, .	0.8	19
98	Excellent properties and extrusion foaming behavior of PPC/PS/PTFE composites with an in situ fibrillated PTFE nanofibrillar network. RSC Advances, 2016, 6, 3176-3185.	1.7	19
99	Nanofibrous Electrospun Polymers for Reprogramming Human Cells. Cellular and Molecular Bioengineering, 2014, 7, 379-393.	1.0	18
100	A novel multiple soaking temperature (MST) method to prepare polylactic acid foams with bi-modal open-pore structure and their potential in tissue engineering applications. Journal of Supercritical Fluids, 2015, 103, 28-37.	1.6	18
101	Enhanced strength and foamability of high-density polyethylene prepared by pressure-induced flow and low-temperature crosslinking. RSC Advances, 2016, 6, 34422-34427.	1.7	18
102	Polyamide 6 modified polypropylene with remarkably enhanced mechanical performance, thermal properties, and foaming ability via pressureâ€inducedâ€flow processing approach. Advances in Polymer Technology, 2018, 37, 2721-2729.	0.8	18
103	Novel polydimethylsiloxane (PDMS) composites reinforced with three-dimensional continuous silica fibers. Materials Letters, 2018, 210, 173-176.	1.3	18
104	Shishâ€“Kebab-Structured UHMWPE Coating for Efficient and Cost-Effective Oilâ€“Water Separation. ACS Applied Materials & Interfaces, 2020, 12, 58252-58262.	4.0	18
105	Motion Control of Magnetic Microrobot Using Uniform Magnetic Field. IEEE Access, 2020, 8, 71083-71092.	2.6	18
106	Hierarchically decorated electrospun poly($$ varepsilon $$ Îµ -caprolactone)/nanohydroxyapatite composite nanofibers for bone tissue engineering. Journal of Materials Science, 2015, 50, 4174-4186.	1.7	17
107	Cell evolution and compressive properties of styreneâ€“butadieneâ€“styrene toughened and calcium carbonate reinforced polystyrene extrusion foams with supercritical carbon dioxide. Journal of Applied Polymer Science, 2016, 133, .	1.3	17
108	Ultrastable and Durable Silicone Coating on Polycarbonate Surface Realized by Nanoscale Interfacial Engineering. ACS Applied Materials & Interfaces, 2020, 12, 13296-13304.	4.0	17

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109	Superior mechanical performance of in-situ nanofibrillar HDPE/PTFE composites with highly oriented and compacted nanohybrid shish-kebab structure. Composites Science and Technology, 2021, 207, 108715.	3.8	17
110	MXene/Polylactic Acid Fabric-Based Resonant Cavity for Realizing Simultaneous High-Performance Electromagnetic Interference (EMI) Shielding and Efficient Energy Harvesting. ACS Applied Materials & Interfaces, 2022, 14, 14607-14617.	4.0	17
111	é«˜è'¸å‘é€ŸçŽ‡çš„è€ç›ç»‡ç‰©åŸºå…¨å©å€™å·-ç”¨å…‰çƒ-ç”µçƒè'¸å‘å™¨. Science China Materials, 2022, 65, 2479-2490.	3.5	17
112	Superefficient and robust polymer coating for bionic manufacturing of superwetting surfaces with â€œrose petal effectâ€•and â€œlotus leaf effectâ€• Progress in Organic Coatings, 2021, 151, 106090.	1.9	16
113	Improved crystallizability and processability of ultra high molecular weight polyethylene modified by poly(amido amine) dendrimers. Polymer Engineering and Science, 2017, 57, 153-160.	1.5	15
114	Fabrication and modification of wavy multicomponent vascular grafts with biomimetic mechanical properties, antithrombogenicity, and enhanced endothelial cell affinity. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 2397-2408.	1.6	15
115	Poly[(Butyl acrylate)-<i>co</i>-(butyl methacrylate)] as Transparent Tribopositive Material for High-Performance Hydrogel-Based Triboelectric Nanogenerators. ACS Applied Polymer Materials, 2020, 2, 5219-5227.	2.0	15
116	Robust superhydrophobic fluorinated fibrous silica sponge with fire retardancy for selective oil absorption in harsh environment. Separation and Purification Technology, 2020, 241, 116700.	3.9	15
117	Fabrication of wrinkled thermoplastic polyurethane foams by dynamic supercritical carbon dioxide foaming. Journal of Supercritical Fluids, 2022, 180, 105429.	1.6	15
118	A novel online visualization system for observing polymer extrusion foaming. Polymer Testing, 2016, 52, 225-233.	2.3	14
119	The Effect of Talc on the Mechanical, Crystallization and Foaming Properties of Poly(Lactic Acid). Journal of Macromolecular Science - Physics, 2016, 55, 908-924.	0.4	13
120	Preparation of fastâ€degrading poly(lactic acid)/soy protein concentrate biocomposite foams via supercritical CO₂ foaming. Polymer Engineering and Science, 2019, 59, 1753-1762.	1.5	13
121	Enhanced sound insulation and mechanical properties based on inorganic fillers/thermoplastic elastomer composites. Journal of Thermoplastic Composite Materials, 2019, 32, 936-950.	2.6	13
122	Preparation and properties of thermoplastic polyurethane foams with bimodal structure based on TPU/PDMS blends. Journal of Supercritical Fluids, 2021, 177, 105324.	1.6	13
123	Novel foaming method to fabricate microcellular injection molded polycarbonate parts using sodium chloride and active carbon as nucleating agents. Polymer Engineering and Science, 2015, 55, 1634-1642.	1.5	12
124	Effect of dynamic oscillation shear flow intensity on the mechanical and morphological properties of high-density polyethylene: An integrated experimental and molecular dynamics simulation study. Polymer Testing, 2019, 80, 106122.	2.3	11
125	Superhydrophobic UHMWPE Foams with High Mechanical Robustness and Durability Fabricated by Supercritical CO₂ Foaming. ACS Sustainable Chemistry and Engineering, 2021, 9, 12663-12673.	3.2	11
126	Fabrication of Thermoplastic Polyurethane Foams with Wrinkled Pores and Superior Energy Absorption Properties by CO₂ Foaming and Fast Chilling. Macromolecular Materials and Engineering, 2022, 307, 2100600.	1.7	11

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127	Tracking Control of PZT-Driven Compliant Precision Positioning Micromanipulator. IEEE Access, 2020, 8, 126477-126487.	2.6	10
128	Fabrication of polystyrene/nanoâ€‹<scp>C</scp>a<scp>CO</scp>₃ foams with unimodal or bimodal cell structure from extrusion foaming using supercritical carbon dioxide. Polymer Composites, 2016, 37, 1864-1873.	2.3	9
129	Preparation of poly(propylene carbonate)/nano calcium carbonate composites and their supercritical carbon dioxide foaming behavior. Journal of Applied Polymer Science, 2015, 132, .	1.3	8
130	Design and Optimization Principles of Cylindrical Sliding Triboelectric Nanogenerators. Micromachines, 2021, 12, 567.	1.4	8
131	Graphene oxide/thermoplastic polyurethane wrinkled foams with enhanced compression performance fabricated by dynamic supercritical <scp>CO₂</scp> foaming. Journal of Applied Polymer Science, 2022, 139, .	1.3	8
132	Preparation of SiCp/Al compositeâ€“bismuthate glass material and its application in mirror blanks. RSC Advances, 2015, 5, 52167-52173.	1.7	7
133	Development and Applications of Hydrogel-Based Triboelectric Nanogenerators: A Mini-Review. Polymers, 2022, 14, 1452.	2.0	6
134	Polystyrene/multi-wall carbon nanotube composite and its foam assisted by ultrasound vibration. Journal of Cellular Plastics, 2017, 53, 273-285.	1.2	5
135	H _{âˆž} Control of Networked Control System With Data Packet Dropout via Observer-Based Controller. IEEE Access, 2020, 8, 58300-58309.	2.6	5
136	Robust and efficient UV-reflecting one-dimensional photonic crystals enabled by organic/inorganic nanocomposite thin films for photoprotection of transparent polymers. Journal of Materials Chemistry C, 2021, 9, 4223-4232.	2.7	5
137	Synthesis and Fabrication of Supramolecular Polydimethylsiloxane-Based Nanocomposite Elastomer for Versatile and Intelligent Sensing. Industrial & Engineering Chemistry Research, 2021, 60, 10419-10430.	1.8	5
138	Fabrication of Polyetherâ€“Etherâ€“Ketone Foams with Superior Properties and Mitigated Weld Lines by Microcellular Injection Molding. Advanced Engineering Materials, 2022, 24, 2100766.	1.6	5
139	Fabrication of skinless cellular poly (vinylidene fluoride) films by surface-constrained supercritical CO2 foaming using elastic gas barrier layers. Journal of Supercritical Fluids, 2022, 184, 105562.	1.6	4
140	A stretchable and zigzag structured hydrogel for highly sensitive strain sensors. Materials Letters, 2022, 325, 132835.	1.3	4
141	Matrigel immobilization on the shish-kebab structured poly(Îµ-caprolactone) nanofibers for skin tissue engineering. AIP Conference Proceedings, 2016, , .	0.3	3
142	Self-Reinforced Thermoplastic Polyurethane Wrinkled Foams with High Energy Absorption Realized by Gas Cooling Assisted Supercritical CO₂ Foaming. Industrial & Engineering Chemistry Research, 2022, 61, 4832-4841.	1.8	3
143	Preparation of polymeric superhydrophobic surfaces and analysis of their wettability. Heat and Mass Transfer, 2015, 51, 1437-1444.	1.2	2
144	Two-Mode-Dependent Controller Design for Networked Markov System With Time-Delay in Both S/C Link and C/A Link. IEEE Access, 2020, 8, 56181-56190.	2.6	2

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145	Distributed Consensus Algorithm for Nonholonomic Wheeled Mobile Robot. Security and Communication Networks, 2021, 2021, 1-9.	1.0	2
146	Highly Stable and Transparent Conductive Film Realized by Semi-embedded Polydopamine/Silver Nanowire Network. Materials Today Communications, 2020, 25, 101551.	0.9	2
147	Delay-range-dependent â„‹âˆž synchronization approaches for time-delay chaotic systems. International Journal of Computer Mathematics, 0, , 1-17.	1.0	1
148	Research on the feasibility of polyethylene terephthalate foam used in wind turbine blades. Environmental Progress and Sustainable Energy, 2023, 42, .	1.3	1
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