Hao-Yang Mi

List of Publications by Year in Descending Order

141 papers	5,286 citations	40 h-index	67 g-index
149 ext. papers	6,585 ext. citations	5.9 avg, IF	6.3 L-index

#	Paper	IF	Citations
141	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	6.7	8
140	Green fabrication of double-sided self-supporting triboelectric nanogenerator with high durability for energy harvesting and self-powered sensing. *Nano Energy*, **2022**, 93, 106827	17.1	6
139	Fabrication of wrinkled thermoplastic polyurethane foams by dynamic supercritical carbon dioxide foaming. *Journal of Supercritical Fluids*, **2022**, 180, 105429	4.2	2
138	Carbon black and polydopamine modified non-woven fabric enabling efficient solar steam generation towards seawater desalination and wastewater purification. *Separation and Purification Technology*, **2022**, 278, 119621	8.3	5
137	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	4.2	1
136	Enhancing the Performance of Fabric-Based Triboelectric Nanogenerators by Structural and Chemical Modification. *ACS Applied Materials & Interfaces*, **2021**, 13, 16916-16927	9.5	23
135	Design and Optimization Principles of Cylindrical Sliding Triboelectric Nanogenerators. *Micromachines*, **2021**, 12,	3.3	4
134	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	8.6	8
133	Versatile Janus Composite Nonwoven Solar Absorbers with Salt Resistance for Efficient Wastewater Purification and Desalination. *ACS Applied Materials & Interfaces*, **2021**, 13, 24945-24956	8.5	9
132	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	8.3	22
131	Finite-time bounded control design for one-sided Lipschitz differential inclusions. *Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering*, **2021**, 235, 943-951	1	
130	Freezing-tolerant, widely detectable and ultra-sensitive composite organohydrogel for multiple sensing applications. *Journal of Materials Chemistry C*, **2021**, 9, 10127-10137	7.1	11
129	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	7.1	1
128	Superefficient and robust polymer coating for bionic manufacturing of superwetting surfaces with □ose petal effect□and □otus leaf effect□*Progress in Organic Coatings*, **2021**, 151, 106090	4.8	5
127	Asymmetric layered structural design with segregated conductive network for absorption-dominated high-performance electromagnetic interference shielding. *Chemical Engineering Journal*, **2021**, 416, 129083	14.7	18
126	Synthesis and Fabrication of Supramolecular Polydimethylsiloxane-Based Nanocomposite Elastomer for Versatile and Intelligent Sensing. *Industrial & Engineering Chemistry Research*, **2021**, 60, 10419-10430	3.9	0
125	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	6.7	18

124	Multifunctional electromagnetic interference shielding films comprised of multilayered thermoplastic polyurethane membrane and silver nanowire. *Composites Part A: Applied Science and Manufacturing*, **2021**, 147, 106472	8.4	7
123	Superhydrophobic UHMWPE Foams with High Mechanical Robustness and Durability Fabricated by Supercritical CO2 Foaming. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 12663-12673	8.3	4
122	Skinless porous films generated by supercritical CO2 foaming for high-performance complementary shaped triboelectric nanogenerators and self-powered sensors. *Nano Energy*, **2021**, 87, 106148	17.1	9
121	Distributed Consensus Algorithm for Nonholonomic Wheeled Mobile Robot. *Security and Communication Networks*, **2021**, 2021, 1-9	1.9	0
120	Recent advancements in self-healing composite elastomers for flexible strain sensors: Materials, healing systems, and features. *Sensors and Actuators A: Physical*, **2021**, 329, 112800	3.9	8
119	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	5.8	7
118	Preparation and properties of thermoplastic polyurethane foams with bimodal structure based on TPU/PDMS blends. *Journal of Supercritical Fluids*, **2021**, 177, 105324	4.2	0
117	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	9.5	39
116	Silk and Silk Composite Aerogel-Based Biocompatible Triboelectric Nanogenerators for Efficient Energy Harvesting. *Industrial & Engineering Chemistry Research*, **2020**, 59, 12399-12408	3.9	15
115	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	8.6	62
114	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	7.1	16
113	H□Control of Networked Control System With Data Packet Dropout via Observer-Based Controller. *IEEE Access*, **2020**, 8, 58300-58309	3.5	4
112	Robust superhydrophobic fluorinated fibrous silica sponge with fire retardancy for selective oil absorption in harsh environment. *Separation and Purification Technology*, **2020**, 241, 116700	8.3	10
111	Ultrastable and Durable Silicone Coating on Polycarbonate Surface Realized by Nanoscale Interfacial Engineering. *ACS Applied Materials & Interfaces*, **2020**, 12, 13296-13304	9.5	8
110	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	3.5	2
109	Highly Stable and Transparent Conductive Film Realized by Semi-embedded Polydopamine/Silver Nanowire Network. *Materials Today Communications*, **2020**, 25, 101551	2.5	2
108	Facile fabrication of fully biodegradable and biorenewable poly (lactic acid)/poly (butylene adipate-co-terephthalate) in-situ nanofibrillar composites with high strength, good toughness and excellent heat resistance. *Polymer Degradation and Stability*, **2020**, 171, 109044	4.7	14
107	Poly[(Butyl acrylate)-co-(butyl methacrylate)] as Transparent Tribopositive Material for High-Performance Hydrogel-Based Triboelectric Nanogenerators. *ACS Applied Polymer Materials*, **2020**, 2, 5219-5227	4.3	7

106	Tracking Control of PZT-Driven Compliant Precision Positioning Micromanipulator. *IEEE Access*, **2020**, 8, 126477-126487	3.5	5
105	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	10	25
104	Superhydrophobic cellulose nanofibril/silica fiber/Fe3O4 nanocomposite aerogel for magnetically driven selective oil absorption. *Cellulose*, **2020**, 27, 8909-8922	5.5	13
103	Shish-Kebab-Structured UHMWPE Coating for Efficient and Cost-Effective Oil-Water Separation. *ACS Applied Materials & Interfaces*, **2020**, 12, 58252-58262	9.5	9
102	. *IEEE Access*, **2020**, 8, 71083-71092	3.5	8
101	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	3.5	8
100	Highly Durable Superhydrophobic Polymer Foams Fabricated by Extrusion and Supercritical CO Foaming for Selective Oil Absorption. *ACS Applied Materials & Interfaces*, **2019**, 11, 7479-7487	9.5	40
99	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	8.5	114
98	Fabrication of Three-Dimensional Fluffy Nanofibrous Scaffolds for Tissue Engineering via Electrospinning and CO2 Escaping Foaming. *Industrial & Engineering Chemistry Research*, **2019**, 58, 9412-9421	3.9	18
97	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	14.7	26
96	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	8.6	39
95	Preparation of fast-degrading poly(lactic acid)/soy protein concentrate biocomposite foams via supercritical CO2 foaming. *Polymer Engineering and Science*, **2019**, 59, 1753-1762	2.3	8
94	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	4.5	8
93	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	8.3	39
92	Stretchable gelatin/silver nanowires composite hydrogels for detecting human motion. *Materials Letters*, **2019**, 237, 53-56	3.3	40
91	Enhanced sound insulation and mechanical properties based on inorganic fillers/thermoplastic elastomer composites. *Journal of Thermoplastic Composite Materials*, **2019**, 32, 936-950	1.9	8
90	Double network hydrogel for tissue engineering. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2018**, 10, e1520	9.2	51
89	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	9.3	68

88	Polyamide 6 modified polypropylene with remarkably enhanced mechanical performance, thermal properties, and foaming ability via pressure-induced-flow processing approach. *Advances in Polymer Technology*, **2018**, 37, 2721-2729	1.9	17
87	Highly compressible ultra-light anisotropic cellulose/graphene aerogel fabricated by bidirectional freeze drying for selective oil absorption. *Carbon*, **2018**, 132, 199-209	10.4	202
86	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	4.1	30
85	Fabrication of scaffolds in tissue engineering: A review. *Frontiers of Mechanical Engineering*, **2018**, 13, 107-119	3.3	125
84	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	14.7	88
83	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	3.9	55
82	Biocompatible, self-healing, highly stretchable polyacrylic acid/reduced graphene oxide nanocomposite hydrogel sensors via mussel-inspired chemistry. *Carbon*, **2018**, 136, 63-72	10.4	196
81	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	14.7	25
80	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	14.7	37
79	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	17.1	138
78	Gradient wetting state for droplet transportation and efficient fog harvest on nanopillared cicada wing surface. *Materials Letters*, **2018**, 221, 123-127	3.3	18
77	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	14.7	40
76	Novel polydimethylsiloxane (PDMS) composites reinforced with three-dimensional continuous silica fibers. *Materials Letters*, **2018**, 210, 173-176	3.3	12
75	Morphological Structure, Rheological Behavior, Mechanical Properties and Sound Insulation Performance of Thermoplastic Rubber Composites Reinforced by Different Inorganic Fillers. *Polymers*, **2018**, 10,	4.5	25
74	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	7.3	42
73	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	9.5	55
72	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	9.5	265
71	Development of biomimetic thermoplastic polyurethane/fibroin small-diameter vascular grafts via a novel electrospinning approach. *Journal of Biomedical Materials Research - Part A*, **2018**, 106, 985-996	5.4	31

70	Highly porous composite aerogel based triboelectric nanogenerators for high performance energy generation and versatile self-powered sensing. *Nanoscale*, **2018**, 10, 23131-23140	7.7	51
69	Preparation, Properties, and Applications of Graphene-Based Hydrogels. *Frontiers in Chemistry*, **2018**, 6, 450	5	29
68	Patchable micro/nanodevices interacting with skin. *Biosensors and Bioelectronics*, **2018**, 122, 189-204	11.8	36
67	Electrospun poly (butylene succinate)/cellulose nanocrystals bio-nanocomposite scaffolds for tissue engineering: Preparation, characterization and in vitro evaluation. *Polymer Testing*, **2018**, 71, 101-109	4.5	57
66	Polystyrene/multi-wall carbon nanotube composite and its foam assisted by ultrasound vibration. *Journal of Cellular Plastics*, **2017**, 53, 273-285	1.5	5
65	Post-crosslinkable biodegradable thermoplastic polyurethanes: Synthesis, and thermal, mechanical, and degradation properties. *Materials and Design*, **2017**, 127, 106-114	8.1	17
64	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	10	47
63	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	7.3	60
62	Synthetic Melanin E-Ink. *ACS Applied Materials & Interfaces*, **2017**, 9, 16553-16560	9.5	33
61	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	9.5	53
60	Instantaneous self-assembly of three-dimensional silica fibers in electrospinning: Insights into fiber deposition behavior. *Materials Letters*, **2017**, 204, 45-48	3.3	32
59	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	9.5	37
58	Mussel-inspired electroactive chitosan/graphene oxide composite hydrogel with rapid self-healing and recovery behavior for tissue engineering. *Carbon*, **2017**, 125, 557-570	10.4	184
57	Fabrication of poly(□caprolactone) tissue engineering scaffolds with fibrillated and interconnected pores utilizing microcellular injection molding and polymer leaching. *RSC Advances*, **2017**, 7, 43432-43444	3.7	52
56	ZIF-8-Based Membranes for Carbon Dioxide Capture and Separation. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 11204-11214	8.3	97
55	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	8.3	54
54	Mechanical properties, crystallization characteristics, and foaming behavior of polytetrafluoroethylene-reinforced poly(lactic acid) composites. *Polymer Engineering and Science*, **2017**, 57, 570-580	2.3	32
53	Improved crystallizability and processability of ultra high molecular weight polyethylene modified by poly(amido amine) dendrimers. *Polymer Engineering and Science*, **2017**, 57, 153-160	2.3	10

52	Molecular Beacon Nano-Sensors for Probing Living Cancer Cells. *Trends in Biotechnology*, **2017**, 35, 347-359	15.1	45
51	Investigation of poly(l-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	2.5	15
50	Preparation of highly porous interconnected poly(lactic acid) scaffolds based on a novel dynamic elongational flow procedure. *Materials and Design*, **2016**, 101, 285-293	8.1	21
49	Fabrication of polystyrene/nano-CaCO3 foams with unimodal or bimodal cell structure from extrusion foaming using supercritical carbon dioxide. *Polymer Composites*, **2016**, 37, 1864-1873	3	8
48	Approaches to Fabricating Multiple-Layered Vascular Scaffolds Using Hybrid Electrospinning and Thermally Induced Phase Separation Methods. *Industrial & Engineering Chemistry Research*, **2016**, 55, 882-892	3.9	39
47	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	3.7	15
46	Cell evolution and compressive properties of styrene□butadiene□styrene toughened and calcium carbonate reinforced polystyrene extrusion foams with supercritical carbon dioxide. *Journal of Applied Polymer Science*, **2016**, 133,	2.9	16
45	Matrigel immobilization on the shish-kebab structured poly(□caprolactone) nanofibers for skin tissue engineering **2016**,		2
44	Enhanced strength and foamability of high-density polyethylene prepared by pressure-induced flow and low-temperature crosslinking. *RSC Advances*, **2016**, 6, 34422-34427	3.7	17
43	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	4.1	35
42	Formation of nanoscale pores in shish-kebab structured isotactic polypropylene by supercritical CO2 foaming. *Materials Letters*, **2016**, 167, 274-277	3.3	17
41	Facile preparation of lightweight high-strength biodegradable polymer/multi-walled carbon nanotubes nanocomposite foams for electromagnetic interference shielding. *Carbon*, **2016**, 105, 305-313	10.4	277
40	A novel online visualization system for observing polymer extrusion foaming. *Polymer Testing*, **2016**, 52, 225-233	4.5	13
39	The Effect of Talc on the Mechanical, Crystallization and Foaming Properties of Poly(Lactic Acid). *Journal of Macromolecular Science - Physics*, **2016**, 55, 908-924	1.4	12
38	Shape memory thermoplastic polyurethane (TPU)/poly(□caprolactone) (PCL) blends as self-knotting sutures. *Journal of the Mechanical Behavior of Biomedical Materials*, **2016**, 64, 94-103	4.1	93
37	Preparation of polymeric superhydrophobic surfaces and analysis of their wettability. *Heat and Mass Transfer*, **2015**, 51, 1437-1444	2.2	0
36	Shish-kebab-structured poly(□caprolactone) nanofibers hierarchically decorated with chitosan-poly(□caprolactone) copolymers for bone tissue engineering. *ACS Applied Materials & Interfaces*, **2015**, 7, 6955-65	9.5	93
35	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	4.2	15

34	Fabrication of polylactic acid/polyethylene glycol (PLA/PEG) porous scaffold by supercritical CO2 foaming and particle leaching. *Polymer Engineering and Science*, **2015**, 55, 1339-1348	2.3	34
33	Hierarchically decorated electrospun poly((varepsilon)-caprolactone)/nanohydroxyapatite composite nanofibers for bone tissue engineering. *Journal of Materials Science*, **2015**, 50, 4174-4186	4.3	14
32	The morphology, properties, and shape memory behavior of polylactic acid/thermoplastic polyurethane blends. *Polymer Engineering and Science*, **2015**, 55, 70-80	2.3	72
31	Fabrication of triple-layered vascular scaffolds by combining electrospinning, braiding, and thermally induced phase separation. *Materials Letters*, **2015**, 161, 305-308	3.3	31
30	Fabrication of porous synthetic polymer scaffolds for tissue engineering. *Journal of Cellular Plastics* , **2015**, 51, 165-196	1.5	43
29	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	5.4	58
28	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, 960-70	3.5	24
27	In vitro evaluations of electrospun nanofiber scaffolds composed of poly(e-caprolactone) and polyethylenimine. *Journal of Materials Research*, **2015**, 30, 1808-1819	2.5	19
26	Preparation of poly(propylene carbonate)/nano calcium carbonate composites and their supercritical carbon dioxide foaming behavior. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	7
25	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	2.3	10
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	3.9	63
23	Preparation of SiCp/Al composite Bismuthate glass material and its application in mirror blanks. *RSC Advances*, **2015**, 5, 52167-52173	3.7	6
22	Electrospinning thermoplastic polyurethane/graphene oxide scaffolds for small diameter vascular graft applications. *Materials Science and Engineering C*, **2015**, 49, 40-50	8.3	98
21	Electrospun aligned poly(propylene carbonate) microfibers with chitosan nanofibers as tissue engineering scaffolds. *Carbohydrate Polymers*, **2015**, 117, 941-949	10.3	69
20	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	3.9	102
19	Effect of poly(ethylene glycol) on the properties and foaming behavior of macroporous poly(lactic acid)/sodium chloride scaffold. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	15
18	Fabrication of shish kebab structured poly(ε caprolactone) electrospun nanofibers that mimic collagen fibrils: Effect of solvents and matrigel functionalization. *Polymer*, **2014**, 55, 5396-5406	3.9	20
17	Nanofibrous Electrospun Polymers for Reprogramming Human Cells. *Cellular and Molecular Bioengineering*, **2014**, 7, 379-393	3.9	16

16	Poly(ε-caprolactone) (PCL)/cellulose nano-crystal (CNC) nanocomposites and foams. *Cellulose*, **2014**, 21, 2727-2741	5.5	87
15	Preparation of thermoplastic polyurethane/graphene oxide composite scaffolds by thermally induced phase separation. *Polymer Composites*, **2014**, 35, 1408-1417	3	40
14	Electrospinning Homogeneous Nanofibrous Poly(propylene carbonate)/Gelatin Composite Scaffolds for Tissue Engineering. *Industrial & Engineering Chemistry Research*, **2014**, 53, 9391-9400	3.9	35
13	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, 1434-44	3.5	68
12	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	1.5	41
11	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	2.3	34
10	Fabrication of thermoplastic polyurethane tissue engineering scaffold by combining microcellular injection molding and particle leaching. *Journal of Materials Research*, **2014**, 29, 911-922	2.5	37
9	Fabrication of Porous Poly(ε-caprolactone) Scaffolds Containing Chitosan Nanofibers by Combining Extrusion Foaming, Leaching, and Freeze-Drying Methods. *Industrial & Engineering Chemistry Research*, **2014**, 53, 17909-17918	3.9	36
8	Approach to Fabricating Thermoplastic Polyurethane Blends and Foams with Tunable Properties by Twin-Screw Extrusion and Microcellular Injection Molding. *Advances in Polymer Technology*, **2014**, 33,	1.9	17
7	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	4.3	50
6	Characterization of thermoplastic polyurethane/polylactic acid (TPU/PLA) tissue engineering scaffolds fabricated by microcellular injection molding. *Materials Science and Engineering C*, **2013**, 33, 4767-76	8.3	187
5	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	2.5	20
4	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	1.5	25
3	Fabrication of Thermoplastic Polyurethane Foams with Wrinkled Pores and Superior Energy Absorption Properties by CO2 Foaming and Fast Chilling. *Macromolecular Materials and Engineering*,2100600	3.9	1
2	Delay-range-dependent H∞ synchronization approaches for time-delay chaotic systems. *International Journal of Computer Mathematics*,1-17	1.2	0
1	Fabrication of Polyether-ether-ketone Foams with Superior Properties and Mitigated Weld Lines by Microcellular Injection Molding. *Advanced Engineering Materials*,2100766	3.5	0