

Aimin Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

414
citations

840776

11
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

251
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong and thermal-resistance glass fiber-reinforced polylactic acid (PLA) composites enabled by heat treatment. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 448-459.	7.5	101
2	Fabrication of outstanding thermal-insulating, mechanical robust and superhydrophobic PP/CNT/sorbitol derivative nanocomposite foams for efficient oil/water separation. <i>Journal of Hazardous Materials</i> , 2021, 418, 126295.	12.4	41
3	Microcellular injection molded outstanding oleophilic and sound-insulating PP/PTFE nanocomposite foam. <i>Composites Part B: Engineering</i> , 2021, 215, 108786.	12.0	40
4	Microcellular PLA/PMMA foam fabricated by CO ₂ foaming with outstanding shape-memory performance. <i>Journal of CO₂ Utilization</i> , 2021, 49, 101553.	6.8	36
5	Anti-shrinkage, high-elastic, and strong thermoplastic polyester elastomer foams fabricated by microcellular foaming with CO ₂ & N ₂ as blowing agents. <i>Journal of CO₂ Utilization</i> , 2022, 62, 102076.	6.8	27
6	Lightweight and strong glass fiber reinforced polypropylene composite foams achieved by mold-opening microcellular injection molding. <i>Journal of Materials Research and Technology</i> , 2021, 14, 2920-2931.	5.8	25
7	Fibrosis mechanism, crystallization behavior and mechanical properties of in-situ fibrillary PTFE reinforced PP composites. <i>Materials and Design</i> , 2021, 211, 110157.	7.0	23
8	Ultra-ductile and strong in-situ fibrillated PLA/PTFE nanocomposites with outstanding heat resistance derived by CO ₂ treatment. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 155, 106849.	7.6	21
9	Study on mechanical and flow properties of acrylonitrile-butadiene-styrene/poly(methyl methacrylate) nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2520-2528.	10.784314	107
10	Effect of surface modifiers and surface modification methods on properties of acrylonitrile-butadiene-styrene/poly(methyl methacrylate)/nano-calcium carbonate composites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2520-2528.	2.6	17
11	Microcellular injection molded lightweight and tough poly (L-lactic acid)/in-situ polytetrafluoroethylene nanocomposite foams with enhanced surface quality and thermally-insulating performance. <i>International Journal of Biological Macromolecules</i> , 2022, 215, 57-66.	7.5	15
12	Lightweight and strong polypropylene/talc/polytetrafluoroethylene foams with enhanced flame-retardant performance fabricated by microcellular foam injection foaming. <i>Materials and Design</i> , 2022, 215, 110539.	7.0	11
13	Effect of Acrylonitrile-Butadiene-Styrene High-Rubber Powder and Strain Rate on the Morphology and Mechanical Properties of Acrylonitrile-Butadiene-Styrene/Poly (Methyl Methacrylate) Blends. <i>Polymer-Plastics Technology and Engineering</i> , 2010, 49, 296-304.	1.9	10
14	Effects of mold cavity temperature on surface quality and mechanical properties of nanoparticle-filled polymer in rapid heat cycle molding. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	8
15	Mechanical and Thermal Properties of ABS/PMMA/Potassium Titanate Whisker Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 382-390.	1.9	6
16	Research on cellular morphology and mechanical properties of microcellular injection-molded BCPP and its blends. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 2223-2241.	3.0	4
17	Strong PP/PTFE microfibril reinforced composites achieved by enhanced crystallization under CO ₂ environment. <i>Polymer Testing</i> , 2022, 112, 107630.	4.8	4
18	Cell structures, phase morphologies and impact toughness of phenolphthalein poly(ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	3.1	3

#	ARTICLE	IF	CITATIONS
19	Crystallization and Mechanical Properties of Glass Fiber Reinforced Polypropylene Composites Molded by Rapid Heat Cycle Molding. <i>Fibers and Polymers</i> , 2020, 21, 2915-2926.	2.1	2