

Hai-Chen Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

482
citations

933264

10
h-index

839398

18
g-index

21
all docs

21
docs citations

21
times ranked

741
citing authors

#	ARTICLE	IF	CITATIONS
1	A hierarchical system of covalent and dual non-covalent crosslinks promotes the toughness and self-healing properties of polymer hydrogels. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4615-4622.	2.9	5
2	Simultaneously improving thermal conductivity and dielectric properties of poly(vinylidene fluoride)/poly(ethylene glycol) composites. <i>Journal of Materials Chemistry B</i> , 2021, 9, 13854-13864.	1.3	1
3	Highly Enhancing Electrical, Thermal, and Mechanical Properties of Polypropylene/Graphite Intercalation Compound Composites by In Situ Expansion during Melt Mixing. <i>Polymers</i> , 2021, 13, 3095.	2.0	7
4	Dynamic rheological behavior, crystallization and friction performance of ultrahigh molecular weight polyethylene/polypropylene blends by multi-step melt processing strategy. <i>Journal of Materials Research and Technology</i> , 2021, 15, 6747-6757.	2.6	4
5	Enhancing toughness of poly (lactic acid)/Thermoplastic polyurethane blends via increasing interface compatibility by polyurethane elastomer prepolymer and its toughening mechanism. <i>Polymer Testing</i> , 2020, 87, 106521.	2.3	37
6	Thermoresponsive Polyurethane Sponges with Temperature-Controlled Superwettability for Oil/Water Separation. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1764-1772.	2.0	48
7	Bio-based ethylene-co-vinyl acetate/poly (lactic acid) thermoplastic vulcanizates with enhanced mechanical strength and shape memory behavior. <i>Polymer Testing</i> , 2020, 87, 106537.	2.3	18
8	Novel Bio-Based Pomelo Peel Flour/Polyethylene Glycol Composite Phase Change Material for Thermal Energy Storage. <i>Polymers</i> , 2019, 11, 2043.	2.0	16
9	Foaming Behavior and Microcellular Morphologies of Incompatible SAN/CPE Blends with Supercritical Carbon Dioxide as a Physical Blowing Agent. <i>Polymers</i> , 2019, 11, 89.	2.0	11
10	Mechanical, thermal and rheological properties and morphology of poly (lactic acid)/poly (propylene carbonate) blends prepared by vane extruder. <i>Polymer Testing</i> , 2019, 87, 106537.	1.6	28
11	Preparation, melting behavior and thermal stability of poly(lactic acid)/poly(propylene carbonate) blends processed by vane extruder. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
12	Crystallization behavior and thermal stability of poly(butylene succinate)/poly(propylene carbonate) blends prepared by novel vane extruder. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	4
13	Influences of dicumyl peroxide on morphology and mechanical properties of polypropylene/poly(styrene-butadiene-styrene) blends via vane extruder. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	5
14	Preparation, characterization and properties of PLA/TiO ₂ nanocomposites based on a novel vane extruder. <i>RSC Advances</i> , 2015, 5, 4639-4647.	1.7	104
15	Thermal behavior, dynamic mechanical properties and rheological properties of poly(butylene terephthalate)/poly(lactic acid) blends prepared by vane extruder. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	5
16	Poly(lactic acid)/polypropylene and compatibilized poly(lactic acid)/polypropylene blends prepared by a vane extruder: analysis of the mechanical properties, morphology and thermal behavior. <i>Journal of Polymer Engineering</i> , 2015, 35, 753-764.	0.6	6
17	Unique interfacial and confined porous morphology of PLA/PS blends in supercritical carbon dioxide. <i>RSC Advances</i> , 2014, 4, 45109-45117.	1.7	50
18	Preparation of Porous Biodegradable Polymer and Its Nanocomposites by Supercritical CO ₂ Foaming for Tissue Engineering. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-12.	1.5	34

#	ARTICLE	IF	CITATIONS
19	Recent Advances in Centrifugal Spinning Preparation of Nanofibers. <i>Advanced Materials Research</i> , 0, 1015, 170-176.	0.3	17
20	Extrusion Processing of Ultra-High Molecular Weight Polyethylene. , 0, , .		7
21	Biooxazolidines-enabled Improvement of Monocomponent Polyurethane coatings. <i>Macromolecular Materials and Engineering</i> , 0, , 2100667.	1.7	0