

Jie Zhang

List of Publications by Year in descending order

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22
papers

265
citations

840119

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#	ARTICLE	IF	CITATIONS
1	Extrusion-Based Additive Manufacturing Samples with Desirable Thermal Conductivities Prepared by Incorporating Hybrid Hexagonal Boron Nitride (h-BN) and Novel Process Strategy. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	1.7	6
2	Structure Evolution and Hoop-Reinforcing Mechanism of Bionic-Inspired Off-Axial Glass Fiber-Reinforced High-Density Polyethylene Pipes Fabricated via Rotating Co-extrusion. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 10407-10418.	1.8	2
3	Investigating the Influence of Incorporation of Boron Nitride on the Kinetics of Isotactic Polypropylene Entanglement Recovery. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 12901-12910.	1.8	5
4	Experimental characterization of 3D printed PP/h-BN thermally conductive composites with highly oriented h-BN and the effects of filler size. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 150, 106586.	3.8	27
5	Manipulating the Strength-Toughness Balance of Poly(L-lactide) (PLLA) via Introducing Ductile Poly(μ -caprolactone) (PCL) and Strong Shear Flow. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 1000-1009.	1.8	15
6	Unique Slow Crack Growth Behavior of Isotactic Polypropylene: The Role of Shear Layer-Spherulites Layer Alternated Structure. <i>Polymers</i> , 2020, 12, 2746.	2.0	1
7	Evolution of iPP/HDPE Morphology under Different Mold Temperatures via Multiflow Vibration Injection Molding: Thermal Field Simulation and Oriented Structures. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6741-6750.	1.8	10
8	Tailored crystalline structure and enhanced impact strength of isotactic polypropylene/high-density polyethylene blend by controlling the printing speed of fused filament fabrication. <i>Journal of Materials Science</i> , 2020, 55, 14058-14073.	1.7	20
9	The influence of hoop shear field on the structure and performances of glass fiber reinforced three-layer polypropylene random copolymer pipe. <i>Journal of Applied Polymer Science</i> , 2019, 136, 46985.	1.3	10
10	The $\hat{1}$ -, $\hat{2}$ -, and $\hat{3}$ -polymorphs of polypropylene-polyethylene random copolymer modified by two kinds of $\hat{2}$ -nucleating agent. <i>Polymer Bulletin</i> , 2019, 76, 865-881.	1.7	16
11	Remarkably Improved Impact Fracture Toughness of Isotactic Polypropylene via Combining the Effects of Shear Layer-Spherulites Layer Alternated Structure and Thermal Annealing. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15069-15078.	1.8	9
12	Preparation of Thermoplastic Polyurethane Parts Reinforced with in Situ Polylactic Acid Microfibers during Fused Deposition Modeling: The Influences of Deposition-Induced Effects. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 21476-21484.	1.8	22
13	Effects of Phase Morphology on Mechanical Properties: Oriented/Unoriented PP Crystal Combination with Spherical/Microfibrillar PET Phase. <i>Polymers</i> , 2019, 11, 248.	2.0	18
14	Insight into shear-induced modification for improving processability of polymers: Effect of shear rate on the evolution of entanglement state. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 598-606.	2.4	15
15	Insight into Understanding the Influence of Blending Ratio on the Structure and Properties of High-Density Polyethylene/Polystyrene Microfibril Composites Prepared by Vibration Injection Molding. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 1190-1199.	1.8	16
16	Effect of high-temperature annealing on the microstructure and mechanical properties of polypropylene with shish kebab or spherulite structure. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46465.	1.3	14
17	New Approach to Optimize Mechanical Properties of the Immiscible Polypropylene/Poly (Ethylene Terephthalate) Blends. <i>Journal of Applied Polymer Science</i> , 2018, 134, 46465.	2.0	10
18	Composite Contains Large Content of In Situ Microfibril, Prepared Directly by Injection Molding: Morphology and Property. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800270.	1.7	11

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19	Self-Reinforcement of Polypropylene Lid-Shaped Samples Induced by Increasing Shish-Kebab Content: Practical Application of Vibration Injection Technology. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 8620-8629.	1.8	11
20	Tailored Crystalline Structure and Mechanical Properties of Isotactic Polypropylene/High Molecular Weight Polyethylene Blend. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 8385-8392.	1.8	17
21	Insight into understanding the evolution of the epitaxy crystallization in isotactic polypropylene and polyethylene blends. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1750-1758.	1.6	7
22	Investigating the disentanglement of long chain branched polypropylene under different shear fields. <i>Journal of Applied Polymer Science</i> , 0, , 51642.	1.3	3