

Lichao Sun

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effects of fiber geometry and orientation distribution on the anisotropy of mechanical properties, creep behavior, and thermal expansion of natural fiber/HDPE composites. <i>Composites Part B: Engineering</i> , 2020, 185, 107778.	12.0	74
2	Preparation and Characterization of Modified Porous Wood Flour/Lauric-Myristic Acid Eutectic Mixture as a Form-Stable Phase Change Material. <i>Energy & Fuels</i> , 2018, 32, 5453-5461.	5.1	53
3	Mechanical properties, creep resistance, and dimensional stability of core/shell structured wood flour/polyethylene composites with highly filled core layer. <i>Construction and Building Materials</i> , 2019, 226, 879-887.	7.2	38
4	Water-Induced Self-Assembly and <i>In Situ</i> Mineralization within Plant Phenolic Glycol-Gel toward Ultrastrong and Multifunctional Thermal Insulating Aerogels. <i>ACS Nano</i> , 2022, 16, 9062-9076.	14.6	38
5	Thermal decomposition of fire-retarded wood flour/polypropylene composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 309-318.	3.6	28
6	Thermal degradation and flammability properties of multilayer structured wood fiber and polypropylene composites with fire retardants. <i>RSC Advances</i> , 2016, 6, 13890-13897.	3.6	21
7	Fully Biobased Soy Protein Adhesives with Integrated High-Strength, Waterproof, Mildew-Resistant, and Flame-Retardant Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6675-6686.	6.7	20
8	Bamboo particle reinforced polypropylene composites made from different fractions of bamboo culm: Fiber characterization and analysis of composite properties. <i>Polymer Composites</i> , 2019, 40, 4619-4628.	4.6	18
9	Effects of LiCl on crystallization, thermal, and mechanical properties of polyamide 6/wood fiber composites. <i>Polymer Composites</i> , 2018, 39, E1574.	4.6	12
10	Thermal degradation and flammability behavior of fire-retarded wood flour/polypropylene composites. <i>Journal of Fire Sciences</i> , 2016, 34, 226-239.	2.0	11
11	Effects of SiO ₂ Filler in the Shell and Wood Fiber in the Core on the Thermal Expansion of Core-Shell Wood/Polyethylene Composites. <i>Polymers</i> , 2020, 12, 2570.	4.5	9
12	Rheological Properties of Wood-Plastic Composites by 3D Numerical Simulations: Different Components. <i>Forests</i> , 2021, 12, 417.	2.1	3
13	Comparative study on the effects of silica size and dispersion mode on the fire retardancy of extruded wood fiber/ HDPE composites. <i>Polymer Composites</i> , 2020, 41, 4920-4932.	4.6	2