Lu Wang

List of Publications by Year
in descending order

27 papers	1,276 citations	361413 20 h-index	526287 27 g-index
27 all docs	27 docs citations	27 times ranked	1165 citing authors

#	Article	IF	Citations
1	Recycling of natural fiber composites: Challenges and opportunities. Resources, Conservation and Recycling, 2022, 177, 105962.	10.8	62
2	Are Foliar Fertilizers Beneficial to Growth and Yield of Wild Lowbush Blueberries?. Agronomy, 2022, 12, 470.	3.0	5
3	Pretreatment of lignocellulosic feedstocks for cellulose nanofibril production. Cellulose, 2022, 29, 4835-4876.	4.9	22
4	Interactions of Cellulose Nanofibrils with a Foliar Fertilizer and Wild Blueberry Leaves: Potential to Enhance Fruit Yield. ACS Agricultural Science and Technology, 2022, 2, 712-718.	2.3	3
5	Transparent Multifunctional Cellulose Nanocrystal Films Prepared Using Trivalent Metal Ion Exchange for Food Packaging. ACS Sustainable Chemistry and Engineering, 2022, 10, 9419-9430.	6.7	14
6	Recent Advances in Functional Materials through Cellulose Nanofiber Templating. Advanced Materials, 2021, 33, e2005538.	21.0	77
7	Towards a cellulose-based society: opportunities and challenges. Cellulose, 2021, 28, 4511-4543.	4.9	27
8	Review on Nonconventional Fibrillation Methods of Producing Cellulose Nanofibrils and Their Applications. Biomacromolecules, 2021, 22, 4037-4059.	5.4	45
9	Recycled Cardboard Containers as a Low Energy Source for Cellulose Nanofibrils and Their Use in Poly(<scp>l</scp>-lactide) Nanocomposites. ACS Sustainable Chemistry and Engineering, 2021, 9, 13460-13470.	6.7	14
10	Alignment of Cellulose Nanofibers: Harnessing Nanoscale Properties to Macroscale Benefits. ACS Nano, 2021, 15, 3646-3673.	14.6	108
11	Elasto-Plastic Finite Element Modeling of Short Carbon Fiber Reinforced 3D Printed Acrylonitrile Butadiene Styrene Composites. Jom, 2020, 72, 475-484.	1.9	12
12	Material Extrusion Additive Manufacturing of Wood and Lignocellulosic Filled Composites. Polymers, 2020, 12, 2115.	4.5	52
13	Towards industrial-scale production of cellulose nanocomposites using melt processing: A critical review on structure-processing-property relationships. Composites Part B: Engineering, 2020, 201, 108297.	12.0	41
14	High-Strength Polylactic Acid (PLA) Biocomposites Reinforced by Epoxy-Modified Pine Fibers. ACS Sustainable Chemistry and Engineering, 2020, 8, 13236-13247.	6.7	59
15	Comparing mechanical properties of impact modified polypropylene-copolymer (IMPP) from injection molding (IM) and fused layer modeling (FLM) processes. Rapid Prototyping Journal, 2020, 26, 993-1003.	3.2	6
16	Cellulose nanofibrils versus cellulose nanocrystals: Comparison of performance in flexible multilayer films for packaging applications. Food Packaging and Shelf Life, 2020, 23, 100464.	7.5	66
17	Thermal properties of spray-dried cellulose nanofibril-reinforced polypropylene composites from extrusion-based additive manufacturing. Journal of Thermal Analysis and Calorimetry, 2019, 136, 1069-1077.	3.6	22
18	Contribution of printing parameters to the interfacial strength of polylactic acid (PLA) in material extrusion additive manufacturing. Progress in Additive Manufacturing, 2018, 3, 165-171.	4.8	30

#	Article	IF	Citations
19	Mechanisms contributing to mechanical property changes in composites of polypropylene reinforced with spray-dried cellulose nanofibrils. Cellulose, 2018, 25, 439-448.	4.9	33
20	Effect of fused deposition modeling process parameters on the mechanical properties of a filled polypropylene. Progress in Additive Manufacturing, 2018, 3, 205-214.	4.8	44
21	Spray-Dried Cellulose Nanofibril-Reinforced Polypropylene Composites for Extrusion-Based Additive Manufacturing: Nonisothermal Crystallization Kinetics and Thermal Expansion. Journal of Composites Science, 2018, 2, 7.	3.0	35
22	Closed-loop recycling of polyamide12 powder from selective laser sintering into sustainable composites. Journal of Cleaner Production, 2018, 195, 765-772.	9.3	24
23	Cellulose nanofibrilâ€reinforced polypropylene composites for material extrusion: Rheological properties. Polymer Engineering and Science, 2018, 58, 793-801.	3.1	39
24	Effect of fused layer modeling (FLM) processing parameters on impact strength of cellular polypropylene. Polymer, 2017, 113, 74-80.	3.8	89
25	Improving the impact strength of Poly(lactic acid) (PLA) in fused layer modeling (FLM). Polymer, 2017, 114, 242-248.	3.8	204
26	In-situ modification of cellulose nanofibrils by organosilanes during spray drying. Industrial Crops and Products, 2016, 93, 129-135.	5.2	27
27	Woodâ€“Plastic Composite Technology. Current Forestry Reports, 2015, 1, 139-150.	7.4	116