

Haibin Zhao

List of Publications by Year in descending order

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13
papers

274
citations

1040056

9
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

359
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of polylactic acid/polyethylene glycol (PLA/PEG) porous scaffold by supercritical CO ₂ foaming and particle leaching. Polymer Engineering and Science, 2015, 55, 1339-1348.	3.1	48
2	Strong and thermally insulating polylactic acid/glass fiber composite foam fabricated by supercritical carbon dioxide foaming. International Journal of Biological Macromolecules, 2019, 138, 144-155.	7.5	48
3	Mechanical and thermal properties of conventional and microcellular injection molded poly (lactic) Tj ETQq1 1 0.784314 rgBT /Overlo 53, 59-67.	3.1	35
4	Enhancing Nanofiller Dispersion Through Prefoaming and Its Effect on the Microstructure of Microcellular Injection Molded Polylactic Acid/Clay Nanocomposites. Industrial & Engineering Chemistry Research, 2015, 54, 7122-7130.	3.7	34
5	Fabrication of water-soluble poly(vinyl alcohol)-based composites with improved thermal behavior for potential three-dimensional printing application. Journal of Applied Polymer Science, 2017, 134, .	2.6	32
6	Microcellular injection molded polylactic acid/poly (̑-caprolactone) blends with supercritical CO ₂ : Correlation between rheological properties and their foaming behavior. Polymer Engineering and Science, 2016, 56, 939-946.	3.1	21
7	Structural optimization and finite element analysis of poly-l-lactide acid coronary stent with improved radial strength and acute recoil rate. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2754-2764.	3.4	16
8	Design and multi-objective optimization of the bumper beams prepared in long glass fiber-reinforced polypropylene. Polymer Composites, 2021, 42, 2933-2947.	4.6	15
9	The effects of urea and caprolactam on the molecular mechanisms and elastic modulus of polyvinyl alcohol (PVA): A molecular dynamics simulation study. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 87, 10-18.	3.1	11
10	Molecular and condition parameters dependent diffusion coefficient of water in poly(vinyl alcohol): a molecular dynamics simulation study. Colloid and Polymer Science, 2017, 295, 859-868.	2.1	5
11	Structural evolution of uniaxial tensile-deformed injection molded poly(̑-caprolactone)/hydroxyapatite composites. Polymer Composites, 2017, 38, 1771-1782.	4.6	4
12	Surface treatment of multiwalled carbon nanotubes and the formation of the multiscale conductivity network in long carbon fiber reinforced polypropylene. Polymer Composites, 2022, 43, 4645-4659.	4.6	4
13	Fabrication of Microcellular Injection-Molded Polypropylene with Super High Expansion Ratio by Precision Mold Opening Technology. Macromolecular Materials and Engineering, 0, , 2200112.	3.6	1