

Natalia Herrera

List of Publications by Year in descending order

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12
papers

637
citations

1040056

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h-index

1199594

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all docs

12
docs citations

12
times ranked

893
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasticized polylactic acid/cellulose nanocomposites prepared using melt-extrusion and liquid feeding: Mechanical, thermal and optical properties. <i>Composites Science and Technology</i> , 2015, 106, 149-155.	7.8	198
2	Plasticized polylactic acid nanocomposite films with cellulose and chitin nanocrystals prepared using extrusion and compression molding with two cooling rates: Effects on mechanical, thermal and optical properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 83, 89-97.	7.6	147
3	Functionalized blown films of plasticized polylactic acid/chitin nanocomposite: Preparation and characterization. <i>Materials and Design</i> , 2016, 92, 846-852.	7.0	94
4	Aligned plasticized polylactic acid cellulose nanocomposite tapes: Effect of drawing conditions. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 104, 101-107.	7.6	42
5	Triethyl Citrate (TEC) as a Dispersing Aid in Polylactic Acid/Chitin Nanocomposites Prepared via Liquid-Assisted Extrusion. <i>Polymers</i> , 2017, 9, 406.	4.5	37
6	Synergistic effect of chitin nanocrystals and orientations induced by solid-state drawing on PLA-based nanocomposite tapes. <i>Composites Science and Technology</i> , 2018, 162, 140-145.	7.8	28
7	Strongly Improved Mechanical Properties of Thermoplastic Biocomposites by PCL Grafting inside Holocellulose Wood Fibers. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11977-11985.	6.7	27
8	Polymer Grafting Inside Wood Cellulose Fibers by Improved Hydroxyl Accessibility from Fiber Swelling. <i>Biomacromolecules</i> , 2020, 21, 597-603.	5.4	26
9	Large-scale manufacturing of ultra-strong, strain-responsive poly(lactic acid)-based nanocomposites reinforced with cellulose nanocrystals. <i>Composites Science and Technology</i> , 2020, 194, 108144.	7.8	19
10	Melt compounded nanocomposites with semi-interpenetrated network structure based on natural rubber, polyethylene, and carrot nanofibers. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45961.	2.6	7
11	Toward Biocomposites Recycling: Localized Interphase Degradation in PCL-Cellulose Biocomposites and its Mitigation. <i>Biomacromolecules</i> , 2020, 21, 1795-1801.	5.4	7
12	Orientation of Polylactic Acid-Chitin Nanocomposite Films via Combined Calendering and Uniaxial Drawing: Effect on Structure, Mechanical, and Thermal Properties. <i>Nanomaterials</i> , 2021, 11, 3308.	4.1	5