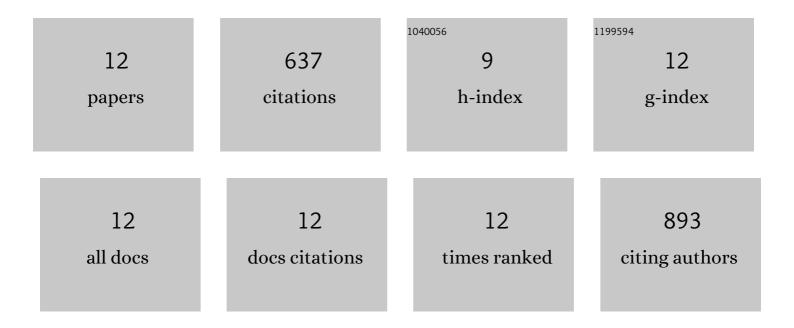
Natalia Herrera

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11029472/publications.pdf Version: 2024-02-01



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