Danila Merino

List of Publications by Year in Descending Order

24 papers	397 citations	9 h-index	19 g-index
25 ext. papers	536 ext. citations	5.2 avg, IF	4.47 L-index

#	Paper	IF	Citations
24	High-pressure autohydrolysis process of wheat straw for cellulose recovery and subsequent use in PBAT composites preparation. *Biocatalysis and Agricultural Biotechnology*, **2022**, 39, 102282	4.2	2
23	Development of Sprayable Sodium Alginate-Seaweed Agricultural Mulches with Nutritional Benefits for Substrates and Plants. *Waste and Biomass Valorization*, **2021**, 12, 6035	3.2	4
22	FIGHTING AGAINST PLANT SALINE STRESS: DEVELOPMENT OF A NOVEL BIOACTIVE COMPOSITE BASED ON BENTONITE AND L-PROLINE. *Clays and Clay Minerals*, **2021**, 69, 232-242	2.1	3
21	Advanced applications of green materials in agriculture **2021**, 193-222		1
20	Nanoclay as Carriers of Bioactive Molecules Applied to Agriculture **2021**, 433-453		0
19	Avocado Peels and Seeds: Processing Strategies for the Development of Highly Antioxidant Bioplastic Films. *ACS Applied Materials & Interfaces*, **2021**, 13, 38688-38699	9.5	4
18	Bio-based plastic films prepared from potato peels using mild acid hydrolysis followed by plasticization with a polyglycerol. *Food Packaging and Shelf Life*, **2021**, 29, 100707	8.2	6
17	Direct transformation of industrial vegetable waste into bioplastic composites intended for agricultural mulch films. *Green Chemistry*, **2021**, 23, 5956-5971	10	4
16	Thermal degradation of poly (ε-caprolactone) nanocomposites with soy lecithin-modified bentonite fillers. *Thermochimica Acta*, **2020**, 689, 178638	2.9	5
15	Nanoclay as Carriers of Bioactive Molecules Applied to Agriculture **2020**, 1-22		2
14	Green Microcomposites from Renewable Resources: Effect of Seaweed (Undaria pinnatifida) as Filler on Corn Starch‐Chitosan Film Properties. *Journal of Polymers and the Environment*, **2020**, 28, 500-516	4.5	9
13	Effect of Nanoclay Addition on the Biodegradability and Performance of Starch-Based Nanocomposites as Mulch Films. *Journal of Polymers and the Environment*, **2019**, 27, 1959-1970	4.5	10
12	Structural and Thermal Properties of Agricultural Mulch Films Based on Native and Oxidized Corn Starch Nanocomposites. *Starch/Staerke*, **2019**, 71, 1800341	2.3	32
11	Performance of Bio-Based Polymeric Agricultural Mulch Films **2019**, 215-240		5
10	In-Soil Biodegradation Behavior Of Chitosan-Coated Phosphorylated Starch Films. *Advanced Materials Letters*, **2019**, 10, 907-912	2.4	3
9	Potential Agricultural Mulch Films Based on Native and Phosphorylated Corn Starch With and Without Surface Functionalization with Chitosan. *Journal of Polymers and the Environment*, **2019**, 27, 97-105	4.5	43
8	Hydrogen-bonding interactions and compostability of bionanocomposite films prepared from corn starch and nano-fillers with and without added Jamaica flower extract. *Food Hydrocolloids*, **2019**, 89, 283-293	10.6	58

List of Publications

7	Preparation, Characterization, and In Vitro Testing of Nanoclay Antimicrobial Activities and Elicitor Capacity. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 3101-3109	5.7	19
6	Bionanocomposite Films Prepared from Corn Starch With and Without Nanopackaged Jamaica (Hibiscus sabdariffa) Flower Extract. *Food and Bioprocess Technology*, **2018**, 11, 1955-1973	5.1	51
5	Polysaccharides as Eco-Nanomaterials for Agricultural Applications **2018**, 1-22		1
4	Critical Evaluation of Starch-Based Antibacterial Nanocomposites as Agricultural Mulch Films: Study on Their Interactions with Water and Light. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 15662-15672	8.3	54
3	Non-isothermal crystallization of poly(ε-caprolactone) nanocomposites with soy lecithin-modified bentonite. *Polymer Crystallization*, **2018**, 1, e10020	0.9	1
2	Chitosan coated-phosphorylated starch films: Water interaction, transparency and antibacterial properties. *Reactive and Functional Polymers*, **2018**, 131, 445-453	4.6	50
1	Preparation and characterization of soy lecithin-modified bentonites. *Applied Clay Science*, **2016**, 127-128, 17-22	5.2	27