

Danila Merino

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Hydrogen-bonding interactions and compostability of bionanocomposite films prepared from corn starch and nano-fillers with and without added Jamaica flower extract. <i>Food Hydrocolloids</i> , 2019 , 89, 283-293	10.6	58
23	Critical Evaluation of Starch-Based Antibacterial Nanocomposites as Agricultural Mulch Films: Study on Their Interactions with Water and Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15662-15672	8.3	54
22	Bionanocomposite Films Prepared from Corn Starch With and Without Nanopackaged Jamaica (Hibiscus sabdariffa) Flower Extract. <i>Food and Bioprocess Technology</i> , 2018 , 11, 1955-1973	5.1	51
21	Chitosan coated-phosphorylated starch films: Water interaction, transparency and antibacterial properties. <i>Reactive and Functional Polymers</i> , 2018 , 131, 445-453	4.6	50
20	Potential Agricultural Mulch Films Based on Native and Phosphorylated Corn Starch With and Without Surface Functionalization with Chitosan. <i>Journal of Polymers and the Environment</i> , 2019 , 27, 97-105	4.5	43
19	Structural and Thermal Properties of Agricultural Mulch Films Based on Native and Oxidized Corn Starch Nanocomposites. <i>Starch/Staerke</i> , 2019 , 71, 1800341	2.3	32
18	Preparation and characterization of soy lecithin-modified bentonites. <i>Applied Clay Science</i> , 2016 , 127-128, 17-22	5.2	27
17	Preparation, Characterization, and In Vitro Testing of Nanoclay Antimicrobial Activities and Elicitor Capacity. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 3101-3109	5.7	19
16	Effect of Nanoclay Addition on the Biodegradability and Performance of Starch-Based Nanocomposites as Mulch Films. <i>Journal of Polymers and the Environment</i> , 2019 , 27, 1959-1970	4.5	10
15	Green Microcomposites from Renewable Resources: Effect of Seaweed (<i>Undaria pinnatifida</i>) as Filler on Corn Starch/Chitosan Film Properties. <i>Journal of Polymers and the Environment</i> , 2020 , 28, 500-516	4.5	9
14	Bio-based plastic films prepared from potato peels using mild acid hydrolysis followed by plasticization with a polyglycerol. <i>Food Packaging and Shelf Life</i> , 2021 , 29, 100707	8.2	6
13	Thermal degradation of poly (ε-caprolactone) nanocomposites with soy lecithin-modified bentonite fillers. <i>Thermochimica Acta</i> , 2020 , 689, 178638	2.9	5
12	Performance of Bio-Based Polymeric Agricultural Mulch Films 2019 , 215-240		5
11	Development of Sprayable Sodium Alginate-Seaweed Agricultural Mulches with Nutritional Benefits for Substrates and Plants. <i>Waste and Biomass Valorization</i> , 2021 , 12, 6035	3.2	4
10	Avocado Peels and Seeds: Processing Strategies for the Development of Highly Antioxidant Bioplastic Films. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 38688-38699	9.5	4
9	Direct transformation of industrial vegetable waste into bioplastic composites intended for agricultural mulch films. <i>Green Chemistry</i> , 2021 , 23, 5956-5971	10	4
8	In-Soil Biodegradation Behavior Of Chitosan-Coated Phosphorylated Starch Films. <i>Advanced Materials Letters</i> , 2019 , 10, 907-912	2.4	3

7	FIGHTING AGAINST PLANT SALINE STRESS: DEVELOPMENT OF A NOVEL BIOACTIVE COMPOSITE BASED ON BENTONITE AND L-PROLINE. <i>Clays and Clay Minerals</i> , 2021 , 69, 232-242	2.1	3
6	High-pressure autohydrolysis process of wheat straw for cellulose recovery and subsequent use in PBAT composites preparation. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022 , 39, 102282	4.2	2
5	Nanoclay as Carriers of Bioactive Molecules Applied to Agriculture 2020 , 1-22		2
4	Polysaccharides as Eco-Nanomaterials for Agricultural Applications 2018 , 1-22		1
3	Advanced applications of green materials in agriculture 2021 , 193-222		1
2	Non-isothermal crystallization of poly(ε-caprolactone) nanocomposites with soy lecithin-modified bentonite. <i>Polymer Crystallization</i> , 2018 , 1, e10020	0.9	1
1	Nanoclay as Carriers of Bioactive Molecules Applied to Agriculture 2021 , 433-453		0