

Adrián Rojas

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

689
citations

566801

15
h-index

752256

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20
all docs

20
docs citations

20
times ranked

618
citing authors

#	ARTICLE	IF	CITATIONS
1	Supercritical impregnation of cinnamaldehyde into polylactic acid as a route to develop antibacterial food packaging materials. <i>Food Research International</i> , 2017, 99, 650-659.	2.9	83
2	Supercritical impregnation of thymol in poly(lactic acid) filled with electrospun poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (of Food Engineering, 2018, 217, 1-10.	2.7	79
3	Effect of processing conditions on the physical, chemical and transport properties of polylactic acid films containing thymol incorporated by supercritical impregnation. <i>European Polymer Journal</i> , 2017, 89, 195-210.	2.6	74
4	Supercritical impregnation and kinetic release of 2-nonanone in LLDPE films used for active food packaging. <i>Journal of Supercritical Fluids</i> , 2015, 104, 76-84.	1.6	52
5	Natural antimicrobials and antioxidants added to polylactic acid packaging films. Part I: Polymer processing techniques. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 3388-3403.	5.9	44
6	The use of nanoadditives within recycled polymers for food packaging: Properties, recyclability, and safety. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020, 19, 1760-1776.	5.9	40
7	Supercritical impregnation for food applications: a review of the effect of the operational variables on the active compound loading. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 1290-1301.	5.4	38
8	Effect of functionalized silica nanoparticles on the mass transfer process in active PLA nanocomposite films obtained by supercritical impregnation for sustainable food packaging. <i>Journal of Supercritical Fluids</i> , 2020, 161, 104844.	1.6	37
9	Effect of supercritical incorporation of cinnamaldehyde on physical-chemical properties, disintegration and toxicity studies of PLA/lignin nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 255-266.	3.6	34
10	Active PLA Packaging Films: Effect of Processing and the Addition of Natural Antimicrobials and Antioxidants on Physical Properties, Release Kinetics, and Compostability. <i>Antioxidants</i> , 2021, 10, 1976.	2.2	32
11	Design of active electrospun mats with single and core-shell structures to achieve different curcumin release kinetics. <i>Journal of Food Engineering</i> , 2020, 273, 109900.	2.7	29
12	Assessment of kinetic release of thymol from LDPE nanocomposites obtained by supercritical impregnation: Effect of depressurization rate and nanoclay content. <i>European Polymer Journal</i> , 2017, 93, 294-306.	2.6	25
13	Development of Bilayer Biodegradable Composites Containing Cellulose Nanocrystals with Antioxidant Properties. <i>Polymers</i> , 2019, 11, 1945.	2.0	23
14	Modifying an Active Compound's Release Kinetic Using a Supercritical Impregnation Process to Incorporate an Active Agent into PLA Electrospun Mats. <i>Polymers</i> , 2018, 10, 479.	2.0	22
15	Effect of pressure and time on scCO ₂ -assisted incorporation of thymol into LDPE-based nanocomposites for active food packaging. <i>Journal of CO₂ Utilization</i> , 2018, 26, 434-444.	3.3	22
16	Designing active mats based on cellulose acetate/polycaprolactone core/shell structures with different release kinetics. <i>Carbohydrate Polymers</i> , 2021, 261, 117849.	5.1	14
17	Obtaining Active Poly lactide (PLA) and Polyhydroxybutyrate (PHB) Blends Based Bionanocomposites Modified with Graphene Oxide and Supercritical Carbon Dioxide (scCO ₂)-Assisted Cinnamaldehyde: Effect on Thermal-Mechanical, Disintegration and Mass Transport Properties. <i>Polymers</i> , 2021, 13, 3968.	2.0	14
18	Foaming with scCO ₂ and Impregnation with Cinnamaldehyde of PLA Nanocomposites for Food Packaging. <i>Processes</i> , 2022, 10, 376.	1.3	12

#	ARTICLE	IF	CITATIONS
19	Designing Biodegradable and Active Multilayer System by Assembling an Electrospun Polycaprolactone Mat Containing Quercetin and Nanocellulose between Polylactic Acid Films. <i>Polymers</i> , 2021, 13, 1288.	2.0	8
20	Supercritical Foaming and Impregnation of Polycaprolactone and Polycaprolactone-Hydroxyapatite Composites with Carvacrol. <i>Processes</i> , 2022, 10, 482.	1.3	7