

Alfonso Jimnez

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7680820/alfonso-jimenez-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

122
papers

5,468
citations

43
h-index

71
g-index

131
ext. papers

6,195
ext. citations

4.4
avg. IF

5.95
L-index

#	Paper	IF	Citations
122	Effects of modified cellulose nanocrystals on the barrier and migration properties of PLA nano-biocomposites. <i>Carbohydrate Polymers</i> , 2012 , 90, 948-56	10.3	357
121	Characterization and antimicrobial activity studies of polypropylene films with carvacrol and thymol for active packaging. <i>Journal of Food Engineering</i> , 2012 , 109, 513-519	6	276
120	Characterization and thermal stability of poly(vinyl chloride) plasticized with epoxidized soybean oil for food packaging. <i>Polymer Degradation and Stability</i> , 2010 , 95, 2207-2212	4.7	165
119	Combined effects of cellulose nanocrystals and silver nanoparticles on the barrier and migration properties of PLA nano-biocomposites. <i>Journal of Food Engineering</i> , 2013 , 118, 117-124	6	163
118	Disintegrability under composting conditions of plasticized PLA/PHB blends. <i>Polymer Degradation and Stability</i> , 2014 , 108, 307-318	4.7	154
117	Thermal degradation study of poly(vinyl chloride): Kinetic analysis of thermogravimetric data. <i>Journal of Applied Polymer Science</i> , 1993 , 50, 1565-1573	2.9	148
116	Production and characterization of PLA_PBS biodegradable blends reinforced with cellulose nanocrystals extracted from hemp fibres. <i>Industrial Crops and Products</i> , 2016 , 93, 276-289	5.9	146
115	Nano-biocomposite films with modified cellulose nanocrystals and synthesized silver nanoparticles. <i>Carbohydrate Polymers</i> , 2014 , 101, 1122-33	10.3	136
114	Processing and characterization of plasticized PLA/PHB blends for biodegradable multiphase systems. <i>EXPRESS Polymer Letters</i> , 2015 , 9, 583-596	3.4	133
113	Development of novel nano-biocomposite antioxidant films based on poly (lactic acid) and thymol for active packaging. <i>Food Chemistry</i> , 2014 , 162, 149-55	8.5	132
112	Combined Effect of Poly(hydroxybutyrate) and Plasticizers on Polylactic acid Properties for Film Intended for Food Packaging. <i>Journal of Polymers and the Environment</i> , 2014 , 22, 460-470	4.5	131
111	Characterization and ageing study of poly(lactic acid) films plasticized with oligomeric lactic acid. <i>Polymer Degradation and Stability</i> , 2013 , 98, 651-658	4.7	127
110	Structure and mechanical properties of sodium and calcium caseinate edible active films with carvacrol. <i>Journal of Food Engineering</i> , 2013 , 114, 486-494	6	113
109	State of the Art of Antimicrobial Edible Coatings for Food Packaging Applications. <i>Coatings</i> , 2017 , 7, 56	2.9	107
108	Natural Pectin Polysaccharides as Edible Coatings. <i>Coatings</i> , 2015 , 5, 865-886	2.9	107
107	Processing and characterization of poly(lactic acid) films plasticized with commercial adipates. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 2010-2018	2.9	107
106	Characterization of polylactic acid films for food packaging as affected by dielectric barrier discharge atmospheric plasma. <i>Innovative Food Science and Emerging Technologies</i> , 2014 , 21, 107-113	6.8	105

105	Natural additives and agricultural wastes in biopolymer formulations for food packaging. <i>Frontiers in Chemistry</i> , 2014 , 2, 6	5	103
104	Active edible films: Current state and future trends. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a		97
103	Functional properties of sodium and calcium caseinate antimicrobial active films containing carvacrol. <i>Journal of Food Engineering</i> , 2014 , 121, 94-101	6	92
102	Recent Trends in the Use of Pectin from Agro-Waste Residues as a Natural-Based Biopolymer for Food Packaging Applications. <i>Materials</i> , 2020 , 13,	3-5	87
101	Synthesis and Characterization of Lactic Acid Oligomers: Evaluation of Performance as Poly(Lactic Acid) Plasticizers. <i>Journal of Polymers and the Environment</i> , 2014 , 22, 227-235	4-5	87
100	Use of herbs, spices and their bioactive compounds in active food packaging. <i>RSC Advances</i> , 2015 , 5, 40334-40335	3-4	85
99	Thermal degradation of mixtures of polycaprolactone with cellulose derivatives. <i>Polymer Degradation and Stability</i> , 2003 , 81, 353-358	4-7	80
98	Relationship between morphology, properties and degradation parameters of novative biobased thermoplastic polyurethanes obtained from dimer fatty acids. <i>Polymer Degradation and Stability</i> , 2012 , 97, 1964-1969	4-7	79
97	Thermal and mechanical characterization of plasticized poly (L-lactide-co-D,L-lactide) films for food packaging. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 86, 707-712	4-1	78
96	Revalorization of sunflower stalks as novel sources of cellulose nanofibrils and nanocrystals and their effect on wheat gluten bionanocomposite properties. <i>Carbohydrate Polymers</i> , 2016 , 149, 357-68	10-3	73
95	Bio-based PLA_PHB plasticized blend films: Processing and structural characterization. <i>LWT - Food Science and Technology</i> , 2015 , 64, 980-988	5-4	72
94	Structure and properties of clay nano-biocomposites based on poly(lactic acid) plasticized with polyadipates. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 2206-2213	3-2	57
93	Migration study of carvacrol as a natural antioxidant in high-density polyethylene for active packaging. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2009 , 26, 938-46	3-2	55
92	Development of a novel pyrolysis-gas chromatography/mass spectrometry method for the analysis of poly(lactic acid) thermal degradation products. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013 , 101, 150-155	6	54
91	Determination of aromatic amines formed from azo colorants in toy products. <i>Journal of Chromatography A</i> , 2002 , 976, 309-17	4-5	54
90	Thermogravimetric analysis of composites obtained from sintering of rice husk-scrap tire mixtures. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005 , 81, 315-320	4-1	53
89	Thermal degradation of ethylene (vinyl acetate). <i>Journal of Thermal Analysis</i> , 1996 , 47, 247-258		53
88	Functional Properties of Plasticized Bio-Based Poly(Lactic Acid)_Poly(Hydroxybutyrate) (PLA_PHB) Films for Active Food Packaging. <i>Food and Bioprocess Technology</i> , 2017 , 10, 770-780	5-1	52

87	Influence of thymol and silver nanoparticles on the degradation of poly(lactic acid) based nanocomposites: Thermal and morphological properties. <i>Polymer Degradation and Stability</i> , 2014 , 108, 158-165	4.7	52
86	Structure and Morphology of New Bio-Based Thermoplastic Polyurethanes Obtained From Dimeric Fatty Acids. <i>Macromolecular Materials and Engineering</i> , 2012 , 297, 777-784	3.9	51
85	Analysis of potentially toxic phthalate plasticizers used in toy manufacturing. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1998 , 60, 68-73	2.7	49
84	Kinetic analysis of thermal degradation of recycled polycarbonate/acrylonitrileButadieneStyrene mixtures from waste electric and electronic equipment. <i>Polymer Degradation and Stability</i> , 2006 , 91, 527-534	4.7	49
83	Surface modification of cellulose nanocrystals by grafting with poly(lactic acid). <i>Polymer International</i> , 2014 , 63, 1056-1062	3.3	45
82	Thermal degradation of recycled polypropylene toughened with elastomers. <i>Polymer Degradation and Stability</i> , 2003 , 82, 279-290	4.7	45
81	Characterization of poly(E-caprolactone)-based nanocomposites containing hydroxytyrosol for active food packaging. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 2244-52	5.7	43
80	Ageing of poly(lactic acid) films plasticized with commercial polyadipates. <i>Polymer International</i> , 2009 , 58, 437-444	3.3	43
79	Thermal degradation of poly(vinyl chloride) plastisols based on low-migration polymeric plasticizers. <i>Polymer Degradation and Stability</i> , 2001 , 73, 447-453	4.7	42
78	Structure, gas-barrier properties and overall migration of poly(lactic acid) films coated with hydrogenated amorphous carbon layers. <i>Carbon</i> , 2013 , 63, 274-282	10.4	40
77	Agaricus bisporus and its by-products as a source of valuable extracts and bioactive compounds. <i>Food Chemistry</i> , 2019 , 292, 176-187	8.5	39
76	Characterization and disintegrability under composting conditions of PLA-based nanocomposite films with thymol and silver nanoparticles. <i>Polymer Degradation and Stability</i> , 2016 , 132, 2-10	4.7	39
75	Surface, Thermal and Antimicrobial Release Properties of Plasma-Treated Zein Films. <i>Journal of Renewable Materials</i> , 2014 , 2, 77-84	2.4	38
74	Formulation and mechanical characterization of PVC plastisols based on low-toxicity additives. <i>Journal of Applied Polymer Science</i> , 2001 , 81, 1881-1890	2.9	37
73	Correlation between Composition, Structure and Properties of Poly(lactic acid)/Polyadipate-Based Nano-Biocomposites. <i>Macromolecular Materials and Engineering</i> , 2010 , 295, 551-558	3.9	34
72	New mathematical model on the thermal degradation of industrial plastisols. <i>Journal of Applied Polymer Science</i> , 1996 , 60, 2041-2048	2.9	34
71	Microwave-Assisted Green Synthesis and Antioxidant Activity of Selenium Nanoparticles Using Bean Shell Extract. <i>Molecules</i> , 2019 , 24,	4.8	32
70	Viscoelastic and thermal characterization of crosslinked PVC. <i>European Polymer Journal</i> , 2006 , 42, 961-969	3.0	30

69	Analysis of poly(vinyl chloride) additives by supercritical fluid extraction and gas chromatography. <i>Journal of Chromatography A</i> , 1996 , 750, 183-190	4.5	30
68	Optimization of microwave-assisted extraction of cocoa bean shell waste and evaluation of its antioxidant, physicochemical and functional properties. <i>LWT - Food Science and Technology</i> , 2020 , 127, 109361	5.4	28
67	Determination of some aromatic amines in finger-paints for children's use by supercritical fluid extraction combined with gas chromatography. <i>Journal of Chromatography A</i> , 1998 , 819, 259-66	4.5	28
66	Thermal characterization of UHMWPE stabilized with natural antioxidants. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 87, 493-497	4.1	28
65	Optimization of parameters for the supercritical fluid extraction in the determination of N-nitrosamines in rubbers. <i>Journal of Chromatography A</i> , 2002 , 963, 419-26	4.5	28
64	Kinetic Modeling of the Thermal Degradation of Stabilized PVC Plastisols. <i>Magyar Áprélad Kémlellyek</i> , 2000 , 61, 483-491	0	27
63	Influence of crystallinity in the curing mechanism of PVC plastisols. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 538-544	2.9	25
62	Optimization of the extraction of azo colorants used in toy products. <i>Journal of Chromatography A</i> , 2002 , 963, 427-33	4.5	25
61	Kinetic analysis of the thermal degradation of PVC plastisols 1999 , 73, 1069-1079		25
60	Encapsulation of Bioactive Compounds from Agrowastes in Electrospun Poly (Ethylene Oxide) Nanofibers. <i>Polymers</i> , 2020 , 12,	4.5	24
59	Diffusion coefficients of lead (II) nitrate in nitric acid aqueous solutions at 298 K. <i>Journal of Molecular Liquids</i> , 2004 , 111, 33-38	6	22
58	Combined effect of cellulose nanocrystals, carvacrol and oligomeric lactic acid in PLA_PHB polymeric films. <i>Carbohydrate Polymers</i> , 2019 , 223, 115131	10.3	21
57	Evaluation of the melt stabilization performance of hydroxytyrosol (3,4-dihydroxy-phenylethanol) in polypropylene. <i>Polymer Degradation and Stability</i> , 2010 , 95, 1636-1641	4.7	21
56	Optimization of variables on the supercritical fluid extraction of phthalate plasticizers. <i>Journal of Supercritical Fluids</i> , 1998 , 12, 271-277	4.2	21
55	Binary mixtures based on polycaprolactone and cellulose derivatives. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 88, 851-856	4.1	21
54	Controlled Release of Thymol from Poly(Lactic Acid)-Based Silver Nanocomposite Films with Antibacterial and Antioxidant Activity. <i>Antioxidants</i> , 2020 , 9,	7.1	20
53	Valorization of Agricultural Wastes for the Production of Protein-Based Biopolymers. <i>Journal of Renewable Materials</i> , 2016 , 4, 165-177	2.4	19
52	Migration analysis of epoxidized soybean oil and other plasticizers in commercial lids for food packaging by gas chromatography-mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2010 , 27, 1469-77	3.2	19

51	Simultaneous supercritical fluid derivatization and extraction of formaldehyde by the Hantzsch reaction. <i>Journal of Chromatography A</i> , 2000 , 896, 51-9	4.5	19
50	Gelatin-Based Antimicrobial Films Incorporating Pomegranate (L.) Seed Juice by-Product. <i>Molecules</i> , 2019 , 25,	4.8	19
49	Degradation of poly(vinyl chloride) plasticized with non-phthalate plasticizers under sterilization conditions. <i>Polymer Degradation and Stability</i> , 2009 , 94, 1473-1478	4.7	18
48	Thermal degradation and pyrolysis of mixtures based on poly(3-hydroxybutyrate-8%-3-hydroxyvalerate) and cellulose derivatives. <i>Polymer Testing</i> , 2005 , 24, 526-534	4.5	18
47	Transport of solutes through calix[4]pyrrole-containing cellulose acetate films. <i>European Polymer Journal</i> , 2007 , 43, 2433-2442	5.2	16
46	Determination of oxidation parameters by DSC for polypropylene stabilized with hydroxytyrosol (3,4-dihydroxy-phenylethanol). <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 96, 243-248	4.1	15
45	Thermal degradation of plastisols. Effect of some additives on the evolution of gaseous products. <i>Journal of Analytical and Applied Pyrolysis</i> , 1997 , 40-41, 201-215	6	15
44	Optimisation of Sequential Microwave-Assisted Extraction of Essential Oil and Pigment from Lemon Peels Waste. <i>Foods</i> , 2020 , 9,	4.9	14
43	Optimization of parameters for the analysis of aromatic amines in finger-paints. <i>Journal of Chromatography A</i> , 2000 , 896, 291-8	4.5	13
42	Controlled Release, Disintegration, Antioxidant, and Antimicrobial Properties of Poly (Lactic Acid)/Thymol/Nanoclay Composites. <i>Polymers</i> , 2020 , 12,	4.5	13
41	Physicochemical and Functional Properties of Active Fish Gelatin-Based Edible Films Added with Aloe Vera Gel. <i>Foods</i> , 2020 , 9,	4.9	12
40	Effect of Almond Shell Waste on Physicochemical Properties of Polyester-Based Biocomposites. <i>Polymers</i> , 2020 , 12,	4.5	12
39	Analysis of citrates and benzoates used in poly(vinyl chloride) by supercritical fluid extraction and gas chromatography. <i>Journal of Chromatography A</i> , 2002 , 950, 31-9	4.5	11
38	Assessment of parameters associated to the risk of PVC catheter reuse. <i>Journal of Biomedical Materials Research Part B</i> , 2001 , 58, 505-10		11
37	Modification of epoxy resins by the addition of PVC plastisols. <i>Journal of Applied Polymer Science</i> , 1998 , 67, 1769-1777	2.9	10
36	Effect of different electrolytes on the swelling properties of calyx[4]pyrrole-containing polyacrylamide membranes. <i>European Polymer Journal</i> , 2006 , 42, 2059-2068	5.2	10
35	Processing and properties of recycled polypropylene modified with elastomers. <i>Plastics, Rubber and Composites</i> , 2003 , 32, 357-367	1.5	10
34	Effect of Lemon Waste Natural Dye and Essential Oil Loaded into Laminar Nanoclays on Thermomechanical and Color Properties of Polyester Based Bionanocomposites. <i>Polymers</i> , 2020 , 12,	4.5	9

33	Biodegradable Poly(ϵ -Caprolactone) Active Films Loaded with MSU-X Mesoporous Silica for the Release of Tocopherol. <i>Polymers</i> , 2020 , 12,	4.5	9
32	Determination of phenol in polymeric materials by supercritical fluid extraction combined with gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1998 , 819, 289-296	4.5	9
31	Incorporation of polyfluorenes into poly(lactic acid) films for sensor and optoelectronics applications. <i>Polymer International</i> , 2012 , 61, 1023-1030	3.3	8
30	Antibacterial activity testing methods for hydrophobic patterned surfaces. <i>Scientific Reports</i> , 2021 , 11, 6675	4.9	8
29	Synthesis and Thermal Characterization of Polyurethanes Obtained from Cottonseed and Corn Oil-Based Polyols. <i>Journal of Renewable Materials</i> , 2016 , 4, 178-184	2.4	7
28	Determination of N-nitrosamines in latex by sequential supercritical fluid extraction and derivatization. <i>Journal of Chromatography A</i> , 2002 , 976, 301-7	4.5	7
27	Active Packaging for Fresh Food Based on the Release of Carvacrol and Thymol. <i>Chemistry and Chemical Technology</i> , 2013 , 7, 295-303	0.9	7
26	Pectin-Based Films with Cocoa Bean Shell Waste Extract and ZnO/Zn-NPs with Enhanced Oxygen Barrier, Ultraviolet Screen and Photocatalytic Properties. <i>Foods</i> , 2020 , 9,	4.9	6
25	Nano-Biocomposites for Food Packaging. <i>Green Energy and Technology</i> , 2012 , 393-408	0.6	6
24	Multilayer Films Based on Poly(lactic acid)/Gelatin Supplemented with Cellulose Nanocrystals and Antioxidant Extract from Almond Shell By-Product and Its Application on Hass Avocado Preservation. <i>Polymers</i> , 2021 , 13,	4.5	6
23	Reducing off-Flavour in Commercially Available Polyhydroxyalkanoate Materials by Autooxidation through Compounding with Organoclays. <i>Polymers</i> , 2019 , 11,	4.5	5
22	Use of isothermal and nonisothermal chemiluminescence measurements for comparison of stabilizing efficiency of hydroxytyrosol (3,4-dihydroxy-phenylethanol), Tocopherol and Irganox 1076 in polypropylene. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 3393-3399	2.9	5
21	Effect of pressure, temperature and time on supercritical fluid extraction of citrate and benzoate plasticisers from poly (vinyl chloride). <i>Journal of Supercritical Fluids</i> , 2002 , 22, 111-118	4.2	5
20	DETERMINATION OF FORMALDEHYDE IN FINGER-PAINTS FOR CHILDREN USE BY SFE COMBINED WITH SPECTROPHOTOMETRIC AND CHROMATOGRAPHIC TECHNIQUES. <i>Analytical Letters</i> , 2001 , 34, 1311-1322	2.2	5
19	Preparaci3n y caracterizaci3n de fracciones de fibra en aceitunas (Variedad Hojiblanca). <i>Grasas Y Aceites</i> , 1991 , 42, 334-338	1.3	5
18	Carvacrol-Based Films 2016 , 329-338		5
17	Effect of Chlorophyll Hybrid Nanopigments from Broccoli Waste on Thermomechanical and Colour Behaviour of Polyester-Based Bionanocomposites. <i>Polymers</i> , 2020 , 12,	4.5	4
16	Anthocyanin Hybrid Nanopigments from Pomegranate Waste: Colour, Thermomechanical Stability and Environmental Impact of Polyester-Based Bionanocomposites. <i>Polymers</i> , 2021 , 13,	4.5	4

15	Emulsions Incorporated in Polysaccharide-Based Active Coatings for Fresh and Minimally Processed Vegetables. <i>Foods</i> , 2021 , 10,	4.9	4
14	Active Nanocomposites in Food Contact Materials. <i>Sustainable Agriculture Reviews</i> , 2017 , 1-44	1.3	3
13	Cellulose acetate-poly{[9,9-bis(6?-N,N,N-trimethylammonium)hexyl]fluorene-phenylene} bromide blends: Preparation, characterization and transport properties. <i>Reactive and Functional Polymers</i> , 2012 , 72, 420-426	4.6	2
12	Characterization of resol resins modified by the addition of PVC plastisols. <i>Polymer International</i> , 2005 , 54, 576-580	3.3	2
11	Dietary fibre in white asparagus before and after processing. <i>Zeitschrift Fur Lebensmittel-Untersuchung Und -Forschung</i> , 1995 , 200, 225-8		2
10	Combined solvent extraction-mass spectrometry determination of free phenol traces in poly(vinyl chloride) products. <i>Journal of Chromatography A</i> , 1994 , 679, 133-138	4.5	2
9	Recent Trends in the Analysis of Chemical Contaminants in Beverages. <i>Beverages</i> , 2020 , 6, 32	3.4	2
8	Processing and Characterization of Nano-biocomposites Based on Mater-Bi with Layered Silicates. <i>Journal of Renewable Materials</i> , 2014 , 2, 42-51	2.4	1
7	ACTIVE PACKAGING BASED ON THE RELEASE OF CARVACROL AND THYMOL FOR FRESH FOOD 2013 ,		1
6	Use of herbs and their bioactive compounds in active food packaging 2021 , 323-365		0
5	Valorization of Aloe vera Skin By-Products to Obtain Bioactive Compounds by Microwave-Assisted Extraction: Antioxidant Activity and Chemical Composition. <i>Antioxidants</i> , 2022 , 11, 1058	7.1	0
4	Vegetable Oils as Platform Chemicals for Synthesis of Thermoplastic Bio-based Polyurethanes 2014 , 1-17		
3	ISOLATION AND CHARACTERISATION OF DIETARY FIBRE IN WHITE ASPARAGUS 2005 , 141-145		
2	Potentially toxic colorant precursors and preservatives used in finger-paints. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2001 , 66, 557-62	2.7	
1	ANALYSIS OF THE DIETARY FIBRE FROM <i>Olea europaea</i> (Gordal and Manzanilla var.) 2005 , 136-140		