Alba GonzÃ¡lez

List of Publications by Year
in descending order

44 papers	1,017 citations	393982 19 h-index	454577 30 g-index
44 all docs	44 docs citations	44 times ranked	1498 citing authors

#	Article	IF	Citations
1	Starch and cellulose nanocrystals together into thermoplastic starch bionanocomposites. Carbohydrate Polymers, 2015, 117, 83-90.	5.1	117
2	Morphology of High Impact Polypropylene Particlesâ€. Macromolecules, 2005, 38, 2795-2801.	2.2	72
3	Improving mechanical and barrier properties of thermoplastic starch and polysaccharide nanocrystals nanocomposites. European Polymer Journal, 2020, 123, 109415.	2.6	54
4	Tributyl citrate as an effective plasticizer for biodegradable polymers: effect of plasticizer on free volume and transport and mechanical properties. Polymer International, 2019, 68, 125-133.	1.6	49
5	Innovative Poly(Ionic Liquid)s by the Polymerization of Deep Eutectic Monomers. Macromolecular Rapid Communications, 2016, 37, 1135-1142.	2.0	45
6	Dynamic polyurethane thermosets: tuning associative/dissociative behavior by catalyst selection. Polymer Chemistry, 2020, 11, 5386-5396.	1.9	44
7	Synthesis and comprehensive study on industrially relevant flame retardant waterborne polyurethanes based on phosphorus chemistry. Progress in Organic Coatings, 2019, 131, 397-406.	1.9	43
8	Electrospinning of waterborne polyurethanes. Journal of Applied Polymer Science, 2010, 115, 1176-1179.	1.3	41
9	Miscibility and degradation of polymer blends based on biodegradable poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4	2.7	33
10	Improving the barrier properties of a biodegradable polyester for packaging applications. European Polymer Journal, 2019, 115, 76-85.	2.6	32
11	Biodegradable composites with improved barrier properties and transparency from the impregnation of PLA to bacterial cellulose membranes. Journal of Applied Polymer Science, 2016, 133, .	1.3	27
12	Isomorphic Polyoxyalkylene Copolyethers Obtained by Copolymerization of Aliphatic Diols. Macromolecules, 2019, 52, 3506-3515.	2.2	27
13	Electrospinning of poly (2-ethyl-2-oxazoline). Journal of Materials Science, 2009, 44, 3186-3191.	1.7	26
14	<scp>D</scp>â€isosorbide and 1,3â€propanediol as plasticizers for starchâ€based films: Characterization and aging study. Journal of Applied Polymer Science, 2017, 134, .	1.3	26
15	Reduced Graphene Oxide/Polymer Monolithic Materials for Selective CO2 Capture. Polymers, 2020, 12, 936.	2.0	26
16	Origins of Product Heterogeneity in the Spheripol High Impact Polypropylene Process. Industrial & Engineering Chemistry Research, 2006, 45, 4178-4187.	1.8	24
17	The role of cellulose nanocrystals incorporation route in waterborne polyurethane for preparation of electrospun nanocomposites mats. Carbohydrate Polymers, 2017, 166, 146-155.	5.1	24
18	Migration of antifog additives in agricultural films of lowâ€density polyethylene and ethyleneâ€vinyl acetate copolymers. Journal of Applied Polymer Science, 2009, 111, 2299-2307.	1.3	23

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19	Self-assembly of a patterned hydrophobic-hydrophilic surface by soft segment microphase separation in a segmented polyurethane: Combined experimental study and molecular dynamics simulation. Polymer, 2020, 195, 122424.	1.8	21
20	Microphase separation and hydrophobicity of urethane/siloxane copolymers with low siloxane content. Progress in Organic Coatings, 2014, 77, 798-802.	1.9	20
21	Electrospinning of cationically polymerized epoxy/polycaprolactone blends to obtain shape memory fibers (SMF). European Polymer Journal, 2017, 94, 376-383.	2.6	20
22	Analysis of the Process Parameters for Obtaining a Stable Electrospun Process in Different Composition Epoxy/Poly Îµ-Caprolactone Blends with Shape Memory Properties. Polymers, 2019, 11, 475.	2.0	16
23	Miscibility and carbon dioxide transport properties of blends of bacterial poly(3-hydroxybutyrate) and a poly(vinylidene chloride-co-acrylonitrile) copolymer. Polymer, 2002, 43, 6205-6211.	1.8	15
24	Organocatalyzed Polymerization of PET-mb-poly(oxyhexane) Copolymers and Their Self-Assembly into Double Crystalline Superstructures. Macromolecules, 2019, 52, 6834-6848.	2.2	15
25	Silica nanoparticles obtained by microwave assisted solâ€“gel process: multivariate analysis of the size and conversion dependence. Journal of Sol-Gel Science and Technology, 2010, 53, 667-672.	1.1	14
26	Improved Permeability Properties for Bacterial Cellulose/Montmorillonite Hybrid Bionanocomposite Membranes by In-Situ Assembling. Journal of Renewable Materials, 2016, 4, 57-65.	1.1	14
27	Diffusivity of ethylene and propylene in atactic and isotactic polypropylene: Morphology effects and free-volume simulations. Journal of Applied Polymer Science, 2007, 104, 3871-3878.	1.3	13
28	Oxygen permeability through poly(ethylene-co-vinyl acetate)/clay nanocomposites prepared by microwave irradiation. Journal of Membrane Science, 2011, 373, 173-177.	4.1	13
29	Preparation of superhydrophobic silica nanoparticles by microwave assisted solâ€“gel process. Journal of Sol-Gel Science and Technology, 2012, 61, 8-13.	1.1	13
30	Pyrolysis analysis of different Cuban natural fibres by TGA and GC/FTIR. Biomass and Bioenergy, 2010, 34, 1573-1577.	2.9	12
31	Fully Reversible Spherulitic Morphology in Cationically Photopolymerized DGEBA/PCL Shape-Memory Blends. Macromolecules, 2020, 53, 1368-1379.	2.2	12
32	Recyclable Epoxy Resin via Simultaneous Dual Permanent/Reversible Crosslinking Based on Dielsâ€“Alder Chemistry. Macromolecular Chemistry and Physics, 2021, 222, 2100146.	1.1	12
33	Blends of bacterial poly(3-hydroxybutyrate) and a poly(epichlorohydrin-co-ethylene oxide) copolymer: thermal and CO2 transport properties. Polymer, 2003, 44, 7701-7708.	1.8	11
34	Miscibility behaviour of amorphous poly(3-hydroxybutyrate) (a-PHB)/styreneâ€“vinyl phenol copolymer (STY-co-VPH) blends applying an association model. Polymer, 2004, 45, 1477-1483.	1.8	11
35	Physicochemical and Mechanical Properties of Gelatin Reinforced with Nanocellulose and Montmorillonite. Journal of Renewable Materials, 2016, 4, 206-214.	1.1	10
36	Microphase Arrangement of Smart Superhydrophilic Segmented Polyurethanes at Their Interface with Water. Langmuir, 2020, 36, 13201-13209.	1.6	8

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37	Reprogrammable Permanent Shape Memory Materials Based on Reversibly Crosslinked Epoxy/PCL Blends. Molecules, 2020, 25, 1568.	1.7	7
38	Determination of the self-association and inter-association equilibrium constants of a carboxylic acid and its mixtures with pyridine derivates. Vibrational Spectroscopy, 2006, 41, 21-27.	1.2	6
39	Production of hydrophobic surfaces in biodegradable and biocompatible polymers using polymer solution electrospinning. Journal of Applied Polymer Science, 2011, 120, 1520-1524.	1.3	6
40	Miscibility and carbon dioxide transport properties of poly(3-hydroxybutyrate) (iPHB) and its blends with different copolymers of styrene and vinyl phenol. Polymer, 2004, 45, 4139-4147.	1.8	5
41	Role of specific interactions on fiber formation in the electrospinning of poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td 2922-2928.	1.3	4
42	Nanostructured polymer blends based on polystyreneâ€bâ€polybutadieneâ€bâ€poly(methyl) Tj ETQq0 0 0 rgBT /Overlock homopolymers. Polymer International, 2017, 66, 1031-1036.	1.6	4
43	Nanostructure development in polystyrene-b -polybutadiene-b -poly(methyl methacrylate) (SBM) thin films by atomic force microscopy: Effect of copolymer composition and solvent. Polymer Engineering and Science, 2018, 58, 422-429.	1.5	2
44	Biodegradable Copolyester Fibers by Solution Electrospinning. Journal of Renewable Materials, 2015, 3, 44-48.	1.1	0