

Jose Manuel Laza

List of Publications by Year in descending order

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69
papers

1,707
citations

236833

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h-index

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69
all docs

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docs citations

69
times ranked

2275
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring new bisphenol a ethoxylated shape memory polyurethanes. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49660.	1.3	5
2	How dry is dry? Molecular mobility in relation to thallus water content in a lichen. <i>Journal of Experimental Botany</i> , 2021, 72, 1576-1588.	2.4	24
3	Frozen in the dark: interplay of night-time activity of xanthophyll cycle, xylem attributes, and desiccation tolerance in fern resistance to winter. <i>Journal of Experimental Botany</i> , 2021, 72, 3168-3184.	2.4	10
4	Controlling tackiness of shape memory polyurethanes for textile applications. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	2
5	Metal-Organic Framework Based PVDF Separators for High Rate Cycling Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 11907-11919.	2.5	51
6	Structural Characterization of Mono and Dihydroxylated Umbelliferone Derivatives. <i>Molecules</i> , 2020, 25, 3497.	1.7	9
7	Experimental investigation of the nonlinear quasi-static and dynamic mechanical behaviour of novel PA6/XHNBR thermoplastic vulcanizates: Linking mechanical nonlinearities to microstructural features. <i>Materials Today Communications</i> , 2020, 25, 101395.	0.9	2
8	PCO-LLDPE thermoresponsive shape memory blends. Towards a new generation of breathable and waterproof smart membranes. <i>European Polymer Journal</i> , 2019, 119, 469-476.	2.6	10
9	Desiccation Tolerance in Chlorophyllous Fern Spores: Are Ecophysiological Features Related to Environmental Conditions?. <i>Frontiers in Plant Science</i> , 2019, 10, 1130.	1.7	9
10	Symbiosis at its limits: ecophysiological consequences of lichenization in the genus <i>Prasiola</i> in Antarctica. <i>Annals of Botany</i> , 2019, 124, 1211-1226.	1.4	13
11	Novel Antibacterial and Toughened Carbon-Fibre/Epoxy Composites by the Incorporation of TiO ₂ Nanoparticles Modified Electrospun Nanofibre Veils. <i>Polymers</i> , 2019, 11, 1524.	2.0	17
12	Novel shape-memory polyurethane fibers for textile applications. <i>Textile Research Journal</i> , 2019, 89, 1027-1037.	1.1	35
13	First evidence of freezing tolerance in a resurrection plant: insights into molecular mobility and zeaxanthin synthesis in the dark. <i>Physiologia Plantarum</i> , 2018, 163, 472-489.	2.6	34
14	Thickness effect on the generation of temperature and curing degree gradients in epoxy-amine thermoset systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 1867-1881.	2.0	7
15	Influence of the soft segment nature on the thermomechanical behavior of shape memory polyurethanes. <i>Polymer Engineering and Science</i> , 2018, 58, 238-244.	1.5	33
16	Effect of the blend ratio on the shape memory and self-healing behaviour of ionomer-polycyclooctene crosslinked polymer blends. <i>European Polymer Journal</i> , 2018, 98, 154-161.	2.6	38
17	Effect of Different Types of Electrospun Polyamide 6 Nanofibres on the Mechanical Properties of Carbon Fibre/Epoxy Composites. <i>Polymers</i> , 2018, 10, 1190.	2.0	18
18	Evaluation of postcuring process on the thermal and mechanical properties of the Clear02 resin used in stereolithography. <i>Polymer Testing</i> , 2018, 72, 115-121.	2.3	32

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19	Interference lithography with functional block copolymer blends: Hierarchical structuration and anisotropic wetting. <i>European Polymer Journal</i> , 2017, 90, 25-36.	2.6	0
20	In situ measurements of free volume during recovery process of a shape memory polymer. <i>Polymer</i> , 2017, 109, 66-70.	1.8	12
21	Effects of Graphene Oxide and Chemically-Reduced Graphene Oxide on the Dynamic Mechanical Properties of Epoxy Amine Composites. <i>Polymers</i> , 2017, 9, 449.	2.0	62
22	Solvent and relative humidity effect on highly ordered polystyrene honeycomb patterns analyzed by Voronoi tessellation. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	7
23	Methylene diphenyl diisocyanate (MDI) and toluene diisocyanate (TDI) based polyurethanes: thermal, shape-memory and mechanical behavior. <i>RSC Advances</i> , 2016, 6, 69094-69102.	1.7	38
24	Construction of antibacterial poly(ethylene terephthalate) films via layer by layer assembly of chitosan and hyaluronic acid. <i>Carbohydrate Polymers</i> , 2016, 143, 35-43.	5.1	72
25	Development of poly(vinylidene fluoride)/ionic liquid electrospun fibers for tissue engineering applications. <i>Journal of Materials Science</i> , 2016, 51, 4442-4450.	1.7	48
26	Covalently and Ionically Crosslinked Chitosan Nanogels for Drug Delivery. <i>Current Pharmaceutical Design</i> , 2016, 22, 3380-3398.	0.9	21
27	Connecting free volume with shape memory properties in noncytotoxic gamma-irradiated polycyclooctene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1080-1088.	2.4	12
28	Polymeric Shape-Memory Micro-Patterned Surface for Switching Wettability with Temperature. <i>Polymers</i> , 2015, 7, 1674-1688.	2.0	24
29	Dielectric relaxation dynamics of high-temperature piezoelectric polyimide copolymers. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 731-743.	1.1	16
30	Study of the chain microstructure effects on the resulting thermal properties of poly(L-lactide)/poly(N-isopropylacrylamide) biomedical materials. <i>Materials Science and Engineering C</i> , 2015, 50, 97-106.	3.8	28
31	Effect of ionic liquid anion and cation on the physico-chemical properties of poly(vinylidene fluoride) based shape memory polymers. <i>Polymer</i> , 2015, 56, 1078-1088.	2.6	72
32	Studying the Thermal Degradation of Different Polyacenaphthylenes via Thermogravimetric Analysis Combined With Fourier Transform Infrared Spectroscopy (TGA-FTIR). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 718-728.	1.2	2
33	Polymer-polymer complexes of poly(N-isopropylacrylamide) and poly(N,N-diethylacrylamide) with poly(carboxylic acids): a comparative study. <i>Colloid and Polymer Science</i> , 2014, 292, 423-430.	1.0	14
34	Synthesis and characterization of novel piezoelectric nitrile copolyimide films for high temperature sensor applications. <i>Smart Materials and Structures</i> , 2014, 23, 105015.	1.8	12
35	Synthesis and Characterization of New Thiophene-Derived Polymers. <i>Advances in Polymer Technology</i> , 2014, 33, .	0.8	1
36	Shape memory effect for recovering surface damages on polymer substrates. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	18

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37	Study of the effect of gamma irradiation on a commercial polycyclooctene I. Thermal and mechanical properties. <i>Radiation Physics and Chemistry</i> , 2014, 102, 108-116.	1.4	17
38	Pesticides microencapsulation. A safe and sustainable industrial process. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1077-1085.	1.6	28
39	Improving the Processability of Conductive Polymers: The Case of Polyaniline. <i>Advances in Polymer Technology</i> , 2013, 32, .	0.8	16
40	Associative and segregative phase behaviour in mixtures of poly(N-tert-butylacrylamide) and poly(N,N-diethylacrylamide) with poly(4-vinylphenol): effect of solvent and concentration. <i>Colloid and Polymer Science</i> , 2013, 291, 2495-2502.	1.0	4
41	Reversible functionalization of nanostructured polymer surfaces via stimuli-responsive interpolymer complexes. <i>European Polymer Journal</i> , 2013, 49, 130-138.	2.6	7
42	New Polyurethane-based magnetostrictive composites: Dynamical mechanical properties. <i>Polymer Engineering and Science</i> , 2013, 53, 744-751.	1.5	4
43	Evidence for the absence of enzymatic reactions in the glassy state. A case study of xanthophyll cycle pigments in the desiccation-tolerant moss <i>Syntrichia ruralis</i> . <i>Journal of Experimental Botany</i> , 2013, 64, 3033-3043.	2.4	86
44	Triple-shape memory effect of covalently crosslinked polyalkenamer based semicrystalline polymer blends. <i>Soft Matter</i> , 2012, 8, 4928.	1.2	71
45	Advantages of biocides: β -cyclodextrin inclusion complexes against active components for pesticide industry. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 963-978.	1.8	6
46	Shape memory composites based on glass-fibre-reinforced poly(ethylene)-like polymers. <i>Smart Materials and Structures</i> , 2012, 21, 035004.	1.8	19
47	ROMP of Functionalized Cyclooctene and Norbornene Derivatives and their Copolymerization with Cyclooctene. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011, 48, 211-218.	1.2	11
48	Development and characterization of semi-crystalline polyalkenamer based shape memory polymers. <i>Smart Materials and Structures</i> , 2011, 20, 035003.	1.8	12
49	Copolymerization of acenaphthylene with methacrylic monomers. <i>E-Polymers</i> , 2011, 11, .	1.3	0
50	Associative and segregative phase separations of poly(N-tert-butylacrylamide)/poly(acrylic acid) mixtures. Effect of solvent. <i>Colloid and Polymer Science</i> , 2010, 288, 1593-1599.	1.0	16
51	Effect of Reprocessing and Accelerated Weathering on ABS Properties. <i>Journal of Polymers and the Environment</i> , 2010, 18, 71-78.	2.4	48
52	Synthesis of poly(cyclooctene) by ring-opening metathesis polymerization: Characterization and shape memory properties. <i>Journal of Applied Polymer Science</i> , 2010, 115, 2440-2447.	1.3	29
53	Effect of reprocessing and accelerated ageing on thermal and mechanical polycarbonate properties. <i>Journal of Materials Processing Technology</i> , 2010, 210, 727-733.	3.1	66
54	Reutilization of thermostable polyester wastes by means of agglomeration with phenolic resins. <i>Waste Management</i> , 2010, 30, 2305-2311.	3.7	4

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55	pH responsive surfaces with nanoscale topography. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2982-2990.	2.5	25
56	Ring-Opening Metathesis Polymerization Kinetics of Cyclooctene with Second Generation Grubbs's™ Catalyst. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 1130-1134.	1.2	13
57	Incorporation of Silica Nanospherical Particles in Epoxy-Amine Crosslinked Materials II. Dynamic Mechanical Measurements of Epoxy Matrix-Silica Nanocomposites. <i>Polymers and Polymer Composites</i> , 2009, 17, 457-465.	1.0	3
58	Poly(styrene-co-vinylbenzylchloride-co-divinylbenzene) coated iron oxide: Synthesis and effects on size and morphology. <i>Journal of Applied Physics</i> , 2009, 105, 07B318.	1.1	1
59	Magneto-active shape memory composites by incorporating ferromagnetic microparticles in a thermo-responsive polyalkenamer. <i>Smart Materials and Structures</i> , 2009, 18, 075003.	1.8	50
60	Thermal properties and fire behaviour of materials produced from curing mixed epoxy and phenolic resins. <i>Fire and Materials</i> , 2008, 32, 281-292.	0.9	14
61	Influence of fillers on the properties of a phenolic resin cured in acidic medium. <i>Journal of Applied Polymer Science</i> , 2008, 108, 387-392.	1.3	11
62	Analysis of the crosslinking process of epoxy-phenolic mixtures by thermal scanning rheometry. <i>Journal of Applied Polymer Science</i> , 2005, 98, 818-824.	1.3	26
63	Dynamic mechanical properties of epoxy-phenolic mixtures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 1548-1555.	2.4	9
64	Determination of the rheological behavior of epoxy-amine thermosets by dynamic mechanical analysis: Isothermal methods versus nonisothermal methods. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 1965-1977.	2.4	5
65	Analysis of the crosslinking process of a phenolic resin by thermal scanning rheometry. <i>Journal of Applied Polymer Science</i> , 2002, 83, 57-65.	1.3	28
66	Unsaturated polyester resins cure: Kinetic, rheologic, and mechanical-dynamical analysis. I. Cure kinetics by DSC and TSR. <i>Journal of Applied Polymer Science</i> , 2001, 79, 447-457.	1.3	49
67	Unsaturated polyester resins cure: Kinetic, rheologic, and mechanical dynamical analysis. II. The glass transition in the mechanical dynamical spectrum of polyester networks. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 146-152.	2.4	27
68	Study of the curing process of a vinyl ester resin by means of TSR and DMTA. <i>Polymer</i> , 2000, 41, 4203-4211.	1.8	72
69	Thermal scanning rheometer analysis of curing kinetic of an epoxy resin: 2. An amine as curing agent. <i>Polymer</i> , 1999, 40, 35-45.	1.8	122