Graciela E Morales

List of Publications by Year in Descending Order

53 papers	553 citations	12 h-index	22 g-index
54 ext. papers	648 ext. citations	2.7 avg, IF	4.19 L-index

#	Paper	IF	Citations
53	Centrifugally spun mats based on biopolyesters/hydroxyapatite and their potential as bone scaffolds. *Journal of Applied Polymer Science*, **2021**, 138, app50139	2.9	4
52	Development of Multifunctional Materials Based on Poly(ether ether ketone) with Improved Biological Performances for Dental Applications. *Materials*, **2021**, 14,	3.5	2
51	Development of zinc oxide/hydroxyapatite/poly(D,L-lactic acid) fibrous scaffold for tissue engineering applications.. *Materials Science and Engineering C*, **2021**, 112594	8.3	3
50	Processing-structure-property relationships of biopolyester/zinc oxide fibrous scaffolds engineered by centrifugal spinning. *Polymers for Advanced Technologies*, **2020**, 31, 2601-2614	3.2	5
49	Mechanisms and Conditions that Affect Phase Inversion Processes. The Case of High-Impact Polystyrene. *Polymer Engineering and Science*, **2020**, 60, 491-502	2.3	4
48	Synthesis strategies in the preparation of high impact polystyrene with different type of particles as the dispersed phase, towards a balance between impact strength and gloss. *Brazilian Journal of Chemical Engineering*, **2020**, 37, 715-727	1.7	1
47	Core□heath nanofibrous membranes based on poly(acrylonitrile-butadiene-styrene), polyacrylonitrile, and zinc oxide nanoparticles for photoreduction of Cr(VI) ions in aqueous solutions. *Journal of Applied Polymer Science*, **2020**, 137, 48429	2.9	3
46	Photocatalytic Treatment of Paracetamol Using TiO2 Nanotubes: Effect of pH. *Processes*, **2019**, 7, 319	2.9	11
45	New advances in the mathematical modeling of the continuous bulk process for the production of high-impact polystyrene using multifunctional initiators. *Polymer Engineering and Science*, **2019**, 59, E231-E246	2.3	2
44	Methyl methacrylate as solvent for the thermal decomposition of the cyclic molecule pinacolone diperoxide: Toward the polymerization process. *Journal of Polymer Science Part A*, **2019**, 57, 997-1007	2.5	
43	Comprehensive review on electrospinning techniques as versatile approaches toward antimicrobial biopolymeric composite fibers. *Materials Science and Engineering C*, **2019**, 101, 306-322	8.3	87
42	Forcespinning technique for the production of poly(d,l-lactic acid) submicrometer fibers: Process□orphology□roperties relationship. *Journal of Applied Polymer Science*, **2019**, 136, 47643	2.9	20
41	Effect of ionic liquid on the thermal decomposition of cyclic organic peroxides. *Arabian Journal of Chemistry*, **2019**, 12, 4277-4286	5.9	3
40	Photo-degradation of electrospun composite mats based on poly(D,L-lactide) submicron fibers and zinc oxide nanoparticles. *Polymer Degradation and Stability*, **2018**, 152, 95-104	4.7	10
39	Design of thermosetting polymeric systems based on benzoxazines modified with maleic anhydride. *Journal of Applied Polymer Science*, **2018**, 135, 46183	2.9	4
38	Experimental and theoretical study of the use of multifunctional initiators in the high impact polystyrene bulk process. *Polymer Engineering and Science*, **2018**, 58, 198-212	2.3	1
37	Thermal decomposition reaction of pinacolone diperoxide: its use as radical initiator in the styrene polymerization. *Polymer Bulletin*, **2017**, 74, 3545-3556	2.4	1

36	Solution Polymerization of Methyl Methacrylate in an Ionic Liquid Employing Cyclic Multifunctional Initiators. *Macromolecular Symposia*, **2017**, 374, 1600103	0.8	
35	Performance of Zinc Oxide Nanoparticles as Polymerization Initiating Systems in the Microwave-Assisted Synthesis of Poly(d,l-Lactide)/ZnO Nanocomposites. *Macromolecular Symposia*, **2017**, 374, 1600102	0.8	4
34	Improvement of mechanical properties and antibacterial activity of electrospun poly(d , l -lactide)-based mats by incorporation of ZnO- graft -poly(d , l -lactide) nanoparticles. *Materials Chemistry and Physics*, **2016**, 182, 324-331	4.4	34
33	Electrospinning and electrospraying techniques for designing novel antibacterial poly(3-hydroxybutyrate)/zinc oxide nanofibrous composites. *Journal of Materials Science*, **2016**, 51, 8593-8609	4.3	44
32	Bulk Polymerization of Styrene using Multifunctional Initiators in a Batch Reactor: A Comprehensive Mathematical Model. *International Journal of Chemical Reactor Engineering*, **2016**, 14, 315-329	1.2	6
31	UV-cured thiol-ene eugenol/ZnO composite materials with antibacterial properties. *RSC Advances*, **2016**, 6, 88135-88142	3.7	15
30	Mathematical model for the bulk polymerization of styrene chemically initiated by sequential and total decomposition of the trifunctional initiator diethyl ketone triperoxide. *Polymer Engineering and Science*, **2015**, 55, 145-155	2.3	3
29	One-Pot Formation of ZnO-graft-Poly(d,l-Lactide) Hybrid Systems via Microwave-Assisted Polymerization of d,l-Lactide in the Presence of ZnO Nanoparticles. *Macromolecular Chemistry and Physics*, **2015**, 216, 1629-1637	2.6	13
28	Novel antibacterial electrospun mats based on poly(d,l-lactide) nanofibers and zinc oxide nanoparticles. *Journal of Materials Science*, **2014**, 49, 8373-8385	4.3	58
27	Mechanical and UV-shielding properties of in situ synthesized poly(acrylonitrile-butadiene-styrene)/zinc oxide nanocomposites. *Journal of Applied Polymer Science*, **2013**, 127, 4708-4718	2.9	8
26	Mathematical model for the bulk polymerization of styrene using the symmetrical cyclic trifunctional initiator diethyl ketone triperoxide. I. Chemical initiation by sequential decomposition. *Journal of Applied Polymer Science*, **2013**, 128, 776-786	2.9	10
25	Effect of Zinc Oxide Nanoparticles Concentration on the Mechanical Properties and UV Protection of In Situ Synthesized ABS Based Nanocomposites. *Macromolecular Symposia*, **2013**, 325-326, 147-155	0.8	5
24	Synthesis and Characterization of High Impact Polystyrene from a Heterogeneous Styrene-Rubber-Polystyrene Solution: Influence of PS Concentration on the Phase Inversion, Morphology and Impact Strength. *Macromolecular Symposia*, **2013**, 325-326, 177-183	0.8	8
23	Microwave Assisted Synthesis of ZnO Nanoparticles: Effect of Precursor Reagents, Temperature, Irradiation Time, and Additives on Nano-ZnO Morphology Development. *Journal of Materials*, **2013**, 2013, 1-11		52
22	Synthesis of polystyrene oligomers by nitroxide-mediated radical polymerization using diethylketone triperoxide as a multifunctional radical initiator. *Journal of Applied Polymer Science*, **2012**, 123, 1320-1328	2.9	
21	Nanocomposites based on high impact polystyrene/silver nanoparticles: Effect of silver nanoparticles concentration on the reaction evolution, morphology, and impact strength. *Polymer Engineering and Science*, **2011**, 51, 1866-1874	2.3	1
20	Elemental Analysis of a Heterogeneous Polymeric System by EDS: Detection of the Compatibilizer Agent Containing Si Atoms and Silver Nano-Particles (AgNPs) in High Impact Polystyrene. *Materials Science Forum*, **2010**, 644, 21-24	0.4	
19	Synthesis of HIPS using an A2B2 Star-Type Graft Copolymer (PB-g-PS). *Macromolecular Reaction Engineering*, **2010**, 4, 381-386	1.5	1

18	Phenomenon of phase inversion in high impact polystyrene: Physico-chemical, rheological and morphological study in the presence of chain transfer agent and using different tapered block copolymers as the precursor rubber. *Polymer Engineering and Science*, **2010**, 50, 373-383	2.3	16
17	Synthesis and characterization of high-impact polystyrene using a multifunctional cyclic peroxide as the initiator. *Journal of Applied Polymer Science*, **2009**, 114, 3198-3210	2.9	4
16	Evaluation of the Final Morphology of HIPS Based on the Architecture of the Compatibilizer Graft Copolymer PBd-g-PS. *Macromolecular Symposia*, **2009**, 283-284, 27-33	0.8	1
15	Mechanical behavior of high impact polystyrene based on SB copolymers as a function of synthesis conditions: Part II. *E-Polymers*, **2008**, 8,	2.7	1
14	A Mathematical Model of the Bulk Copolymerization of Styrene and Acrylonitrile in the Presence of Polystyrene-block-Polybutadiene. *Macromolecular Theory and Simulations*, **2008**, 17, 180-197	1.5	4
13	Evaluation of the interfacial state in high impact polystyrene through dynamic mechanical analysis as a function of the synthesis conditions. *Polymer Engineering and Science*, **2007**, 47, 1827-1838	2.3	4
12	Thermoformability study of virgin and regrind high impact polystyrene coextruded sheets: Influence of the number of processing cycles on the processing parameters. *Polymer Engineering and Science*, **2006**, 46, 503-509	2.3	
11	Improved toughness in HIPS obtained from different styrene/butadiene-graded block copolymers through modification of the polydispersity index of the PS block. *Polymer Engineering and Science*, **2006**, 46, 1333-1341	2.3	14
10	Recycling of high impact polystyrene in coextruded sheet: Influence of the number of processing cycles on the microstructure and macroscopic properties. *Polymer Engineering and Science*, **2006**, 46, 1698-1705	2.3	14
9	Mechanical behavior of high impact polystyrene based on SBR copolymers: Part I. *Polymer Engineering and Science*, **2005**, 45, 1288-1296	2.3	3
8	Diethyl ketone triperoxide: thermal decomposition reaction in chlorobenzene solution and its application as initiator of polymerization. *Journal of Physical Organic Chemistry*, **2004**, 17, 215-220	2.1	12
7	Bulk polymerization of styrene catalyzed by bi- and trifunctional cyclic initiators. *Journal of Applied Polymer Science*, **2002**, 83, 1-11	2.9	30
6	Synthesis of graft copolymers. II. Synthesis of polystyrene-g-poly(methyl methacrylate). *Journal of Applied Polymer Science*, **2002**, 83, 12-18	2.9	2
5	Synthesis of graft copolymers. III. Polystyrene-g-poly(butyl acrylate). *Journal of Applied Polymer Science*, **2002**, 83, 19-26	2.9	1
4	New insights into the mechanism of 1,2-bis(trimethyl-silyloxy)-tetraphenylethane-induced free radical polymerization: application to the synthesis of block and graft copolymers. *Macromolecular Chemistry and Physics*, **2000**, 201, 74-83	2.6	12
3	Use of Cyclic Di- and Triperoxides as Initiators of Styrene Polymerization at High Temperature with a View to Their Use in Industrial Applications. *Molecules*, **2000**, 5, 549-550	4.8	4
2	Synthesis of graft copolymers. Part I. Synthesis of macroinitiators. *Journal of Applied Polymer Science*, **1995**, 57, 997-1004	2.9	7
1	Photocatalytic Reduction of Hexavalent Chromium Ions from Aqueous Solutions Using Polymeric Microfibers Surface Modified with ZnO Nanoparticles. *Fibers and Polymers*,1	2	1