

Ricardo Acosta Ortiz

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

760
citations

516710

16
h-index

552781

26
g-index

50
all docs

50
docs citations

50
times ranked

620
citing authors

#	ARTICLE	IF	CITATIONS
1	Benzyl alcohols as accelerators in the photoinitiated cationic polymerization of epoxide monomers. <i>Journal of Polymer Science Part A</i> , 2002, 40, 2298-2309.	2.3	87
2	A kinetic study of the acceleration effect of substituted benzyl alcohols on the cationic photopolymerization rate of epoxidized natural oils. <i>Polymer</i> , 2005, 46, 1535-1541.	3.8	56
3	Design and synthesis of highly reactive photopolymerizable epoxy monomers. <i>Journal of Polymer Science Part A</i> , 2001, 39, 2385-2395.	2.3	47
4	Synthesis of an epoxy functionalized spiroorthocarbonate used as low shrinkage additive in cationic UV curing of an epoxy resin. <i>European Polymer Journal</i> , 2008, 44, 1046-1052.	5.4	43
5	An effective method to prepare sucrose polymers by Thiol-Ene photopolymerization. <i>Carbohydrate Polymers</i> , 2009, 78, 282-286.	10.2	38
6	Synthesis of epoxy monomers that undergo synergistic photopolymerization by a radical-induced cationic mechanism. <i>Journal of Polymer Science Part A</i> , 2001, 39, 3578-3592.	2.3	37
7	Preparation of a crosslinked sucrose polymer by thiol-ene photopolymerization using dithiothreitol as comonomer. <i>Carbohydrate Polymers</i> , 2010, 82, 822-828.	10.2	35
8	Effect of introducing a cationic system into a thiol-ene photopolymerizable formulation. <i>Journal of Polymer Science Part A</i> , 2007, 45, 4829-4843.	2.3	32
9	Preparation and characterization of hybrid thiol-ene/epoxy UV-thermal dual-cured systems. <i>Polymer International</i> , 2010, 59, 1046-1051.	3.1	27
10	Synthesis of novel highly reactive silicone-epoxy monomers for cationic photopolymerizations. <i>Polymer</i> , 2005, 46, 10663-10671.	3.8	26
11	Interpenetrated hybrid thiol-ene/epoxy UV-cured network with enhanced impact resistance. <i>Progress in Organic Coatings</i> , 2015, 78, 244-248.	3.9	22
12	Synthesis of hybrid methacrylate-silicone-cyclohexanepoxide monomers and the study of their UV induced polymerization. <i>Progress in Organic Coatings</i> , 2006, 57, 159-164.	3.9	21
13	The effect of a dithiol spiroorthocarbonate on mechanical properties and shrinkage of a dental resin. <i>Designed Monomers and Polymers</i> , 2015, 18, 73-78.	1.6	20
14	Synthesis of glycerol-derived diallyl spiroorthocarbonates and the study of their antishrinking properties in acrylic dental resins. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 2077-2084.	3.6	18
15	Synthesis of an oxetane-functionalized hemispiroorthocarbonate used as a low-shrinkage additive in the cationic ultraviolet curing of oxetane monomers. <i>Journal of Applied Polymer Science</i> , 2009, 112, 1780-1787.	2.6	17
16	Development of Hybrid Polymeric Materials Based on Thiol-Ene/Cationic Formulations. <i>Macromolecular Materials and Engineering</i> , 2008, 293, 731-739.	3.6	16
17	Novel second generation dendrimer with terminal thiol groups and its thiol-ene photopolymerization with unsaturated monomers. <i>Progress in Organic Coatings</i> , 2010, 69, 463-469.	3.9	16
18	Synthesis of Novel Hexathiolated Squalene and Its Thiol-Ene Photopolymerization with Unsaturated Monomers. <i>Green and Sustainable Chemistry</i> , 2012, 02, 62-70.	1.2	16

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19	Development and Study of a Coupling Agent for Photocurable Hybrid Thiol/Ene/Cationic Formulations. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2157-2168.	2.2	15
20	The development of an Epoxy-amine/Thiol-ene photocurable system. <i>Journal of Polymer Research</i> , 2014, 21, 1.	2.4	15
21	Self-Healing Photocurable Epoxy/thiol-ene Systems Using an Aromatic Epoxy Resin. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-11.	1.8	14
22	Diol spiroorthocarbonates as antishrinkage additives for the cationic photopolymerization of bisphenol-A diglycidyl ether. <i>Reactive and Functional Polymers</i> , 2010, 70, 98-102.	4.1	10
23	Development of a photocurable glass-fiber reinforced epoxy-amine/thiol-ene composite. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	10
24	Highly reactive novel biobased cycloaliphatic epoxy resins derived from nopol and a study of their cationic photopolymerization. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	10
25	Synthesis of the fluorene spiroorthocarbonate and the evaluation of its antishrinking activity in the cationic photopolymerization of an epoxy resin. <i>Designed Monomers and Polymers</i> , 2013, 16, 323-329.	1.6	9
26	Comparison of the Performance of Two Bifunctional Curing Agents for the Photopolymerization of Epoxy Resins and the Study of the Mechanical Properties of the Obtained Polymers. <i>Macromolecular Symposia</i> , 2015, 358, 35-40.	0.7	9
27	Development of rigid toughened photocurable epoxy foams. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	8
28	Preparation of Biobased Polymers Derived from Isosorbide by Means of Thiol-Ene Photopolymerization. <i>Journal of Biobased Materials and Bioenergy</i> , 2012, 6, 36-41.	0.3	8
29	Interactions in the thermal and light stabilising action of novel aromatic phosphites with a 2-hydroxybenzophenone and hindered piperidine stabiliser in polyolefin films. <i>Polymer Degradation and Stability</i> , 1995, 48, 231-235.	5.8	7
30	Novel diol spiro orthocarbonates derived from glycerol as anti-shrinkage additives for the cationic photopolymerization of epoxy monomers. <i>Polymer International</i> , 2010, 59, 680-685.	3.1	7
31	Novel Tetraspiroorthocarbonates as Successful Anti-shrinking Agents for the Photopolymerization of Epoxy Monomers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012, 49, 361-368.	2.2	7
32	Synthesis of a novel highly hindered spiroorthocarbonate and the study of its efficiency to eliminate the shrinkage in the photopolymerization of an epoxy cycloaliphatic resin. <i>Journal of Polymer Research</i> , 2015, 22, 1.	2.4	7
33	The effect of hydroxyspiroorthocarbonates on the cationic photopolymerization of an epoxy resin and on the mechanical properties of the final polymer. <i>Polymer International</i> , 2012, 61, 587-595.	3.1	6
34	Synthesis of Activated Monomers for Cationic Photopolymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2004, 41, 757-777.	2.2	5
35	Synthesis of a Curing Agent Derived from Limonene and the Study of Its Performance to Polymerize a Biobased Epoxy Resin Using the Epoxy/Thiol-Ene Photopolymerization Technique. <i>Polymers</i> , 2022, 14, 2192.	4.5	5
36	Comparison of the thermal and light stabilising action of novel aromatic phosphites substituted with 2-hydroxybenzophenone and hindered piperidine moieties in polyolefins. <i>Polymer Degradation and Stability</i> , 1994, 46, 75-84.	5.8	4

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37	Developments of Organic-Inorganic Hybrid Free Radical-Cationic Dual Cured Coatings. <i>Polymer Bulletin</i> , 2008, 59, 865-872.	3.3	4
38	Towards a Living Radical Polymerization of Styrene by Using Dithiolactone as a New Type of Mediating Agent. <i>Macromolecular Rapid Communications</i> , 2008, 29, 80-85.	3.9	4
39	Development of Low Shrinkage Polymers by Using Expanding Monomers. <i>Macromolecular Symposia</i> , 2017, 374, 1600092.	0.7	4
40	Photocurable shape-memory polyether-polythioether/graphene nanocomposites and the study of their thermal conductivity. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	4
41	Tensile strength and fracture mode I toughness of photocurable carbon fiber/polyether-polythioether composites. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	4
42	The Preparation of Copolymers Derived from Thiol-ene/Cationic Systems by Using a Coupling Agent. <i>Macromolecular Symposia</i> , 2009, 283-284, 1-6.	0.7	3
43	Dithioester functionalization of poly(cyclohexene oxide) and its application to obtain block copolymers. <i>Journal of Applied Polymer Science</i> , 2008, 108, 598-605.	2.6	2
44	Simultaneous reduction in situ and thiol- functionalization of Graphene Oxide during the Photopolymerization of Epoxy/Thiol-ene photocurable systems to prepare polyether-polythioether/reduced graphene oxide nanocomposites. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 282-293.	1.3	2
45	Photopolymerizable dental composite resins with lower shrinkage stress and improved hydrolytic and hygroscopic behavior with a urethane monomer used as an additive. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 130, 105189.	3.1	2
46	Synthesis of tetraallylated cystamine and the study of its performance as a curing agent for the epoxy/thiol-ene photopolymerization of biobased nopol epoxy resins. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	1
47	Synthesis of a novel biopolymer by means of Thiol-Ene Photopolymerization using diallyl sucrose and dithiotreitol as comonomers. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1277, 61001.	0.1	0
48	Preparation of a novel anti shrinking agent (SOC DA) and its evaluation in dental resins. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1609, 1.	0.1	0
49	Development of Photocurable Polyacrylate-Based PolyHIPes and the Study of the Kinetics of Photopolymerization, and of Their Thermal, Mechanical and Hydrocarbon Absorption Properties. <i>Polymers</i> , 2021, 13, 3497.	4.5	0
50	Recent Advances in the Anionic Photocurable Epoxy/Thiol-Ene Systems. <i>MOJ Polymer Science</i> , 2017, 1, .	0.3	0