

A perspective on emerging polymer technologies for bis

Polymer International

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Polymer International in the year 2012. <i>Polymer International</i> , 2013, 62, 1-1.	1.6	0
2	Applying the Principles of Green Chemistry to Polymer Production Technology. <i>Macromolecular Reaction Engineering</i> , 2014, 8, 7-28.	0.9	132
3	Conversion of Biomass into Chemicals over Metal Catalysts. <i>Chemical Reviews</i> , 2014, 114, 1827-1870.	23.0	1,504
4	Synthesis and characterization of isosorbide-based polyphosphonates as biobased flame-retardants. <i>Polymer Chemistry</i> , 2014, 5, 5139.	1.9	85
5	Regioselective synthesis of renewable bisphenols from 2,3-pentanedione and their application as plasticizers. <i>Green Chemistry</i> , 2014, 16, 1999-2007.	4.6	28
6	Chromium-Catalyzed CO ₂ Epoxide Copolymerization. <i>Organometallics</i> , 2014, 33, 4401-4409.	1.1	18
7	Bio-based epoxy resin toughening with cashew nut shell liquid-derived resin. <i>Green Materials</i> , 2015, 3, 80-92.	1.1	23
8	Synthesis and Characterization of Decahydronaphthalene-Containing Polyesters. <i>Macromolecules</i> , 2015, 48, 8733-8737.	2.2	24
9	Bio-Based Alternative to the Diglycidyl Ether of Bisphenol A with Controlled Materials Properties. <i>Biomacromolecules</i> , 2015, 16, 1021-1031.	2.6	114
10	Synthesis and evaluation of the thermal properties of biosourced poly(ether)ureas and copoly(ether)ureas from 1,4:3,6-dianhydrohexitols. <i>Polymer International</i> , 2015, 64, 513-520.	1.6	6
11	Cyclohexene oxide/carbon dioxide copolymerization by chromium(III) amino-bis(phenolato) complexes and MALDI-TOF MS analysis of the polycarbonates. <i>Polymer Chemistry</i> , 2015, 6, 6305-6315.	1.9	30
12	Synthesis of bio-based epoxy monomers from natural allyl- and vinyl phenols and the estimation of their affinity to the estrogen receptor $\hat{\pm}$ by molecular docking. <i>New Journal of Chemistry</i> , 2016, 40, 7701-7710.	1.4	35
13	Structure-property relationships of a bio-based reactive diluent in a bio-based epoxy resin. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	26
14	Biorenewable Epoxy Resins Derived from Plant-Based Phenolic Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6524-6533.	3.2	44
16	Curing Kinetics of Biobased Epoxies for Tailored Applications. <i>Macromolecules</i> , 2016, 49, 5315-5324.	2.2	40
18	Diglycidylether of iso-eugenol: a suitable lignin-derived synthon for epoxy thermoset applications. <i>RSC Advances</i> , 2016, 6, 68732-68738.	1.7	39
19	Synthesis and characterization of an adipic acid-derived epoxy resin. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2625-2631.	2.5	10
20	Structure property relationships of biobased n-alkyl bisferulate epoxy resins. <i>Green Chemistry</i> , 2016, 18, 4961-4973.	4.6	73

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21	Bio-based epoxy-anhydride thermosets from six-armed linoleic acid-derived epoxy resin. RSC Advances, 2016, 6, 52549-52555.	1.7	30
22	Nanocomposites of a Cashew Nut Shell Derived Epoxy Resin and Graphene Platelets: From Flexible to Tough. ACS Sustainable Chemistry and Engineering, 2016, 4, 1715-1721.	3.2	31
23	Reaction: Benign by Design Demands Innovation. ChemM, 2017, 2, 7-8.	5.8	1
24	Mechanistic Studies of Cyclohexene Oxide/CO ₂ Copolymerization by a Chromium(III) Pyridylamine-Bis(Phenolate) Complex. ChemSusChem, 2017, 10, 1266-1273.	3.6	24
25	Copolycarbonates of bio-based rigid isosorbide and flexible 1,4-cyclohexanedimethanol: Merits over bisphenol-A based polycarbonates. Polymer, 2017, 116, 153-159.	1.8	69
26	Syringaresinol: A Renewable and Safer Alternative to Bisphenol-A for Epoxy-Amine Resins. ChemSusChem, 2017, 10, 738-746.	3.6	102
27	Chain mobility, secondary relaxation, and oxygen transport in terephthalate copolyesters with rigid and flexible cyclic diols. Polymer, 2017, 129, 117-126.	1.8	32
28	Synthesis and Characterization of Amorphous Bibenzoate (Co)polyesters: Permeability and Rheological Performance. Macromolecules, 2017, 50, 7603-7610.	2.2	23
29	Isocyanate-Free Synthesis and Characterization of Renewable Poly(hydroxy)urethanes from Syringaresinol. ACS Sustainable Chemistry and Engineering, 2017, 5, 8648-8656.	3.2	73
30	Influence of cyclobutane segments in cycloaliphatic decahydronaphthalene-containing copolyesters. High Performance Polymers, 2017, 29, 750-756.	0.8	12
31	Polybenzoxazine Materials From Renewable Diphenolic Acid. , 2017, , 427-449.		1
32	Tunable Thermosetting Epoxies Based on Fractionated and Well-Characterized Lignins. Journal of the American Chemical Society, 2018, 140, 4054-4061.	6.6	220
33	The quest for high glass transition temperature bioplastics. Journal of Materials Chemistry A, 2018, 6, 9298-9331.	5.2	179
34	Cytotoxicity measurement of Bisphenol A (BPA) and its substitutes using human keratinocytes. Environmental Research, 2018, 164, 655-659.	3.7	24
35	Effect of Catalyst on the Molecular Structure and Thermal Properties of Isosorbide Polycarbonates. Industrial & Engineering Chemistry Research, 2018, 57, 4824-4831.	1.8	45
36	Ferulic Acid- and Sinapic Acid-Based Bisphenols: Promising Renewable and Safer Alternatives to Bisphenol A for the Production of Bio-Based Polymers and Resins. ACS Symposium Series, 2018, , 221-251.	0.5	5
37	Sugar-Derived Poly(β-thioester)s as a Biomedical Scaffold. Macromolecular Chemistry and Physics, 2018, 219, 1800177.	1.1	16
38	Reactive blending of bisphenol-A polycarbonate with isosorbide-based polycarbonates: Effect of chain flexibility and compatibility. Reactive and Functional Polymers, 2019, 143, 104328.	2.0	9

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39	Study on the Synthetic Characteristics of Biomass-Derived Isosorbide-Based Poly(arylene ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 74	1.7	14
40	Design and Formulation of a Completely Biobased Epoxy Structural Adhesive. ACS Sustainable Chemistry and Engineering, 2019, 7, 16382-16391.	3.2	27
41	Determination of Endocrine Disruption Potential of Bisphenol A Alternatives in Food Contact Materials Using <i>In Vitro</i> Assays: State of the Art and Future Challenges. Journal of Agricultural and Food Chemistry, 2019, 67, 12613-12625.	2.4	19
42	Sustainable and recyclable super engineering thermoplastic from biorenewable monomer. Nature Communications, 2019, 10, 2601.	5.8	83
43	A synthetic strategy toward isosorbide polycarbonate with a high molecular weight: the effect of intermolecular hydrogen bonding between isosorbide and metal chlorides. Polymer Chemistry, 2019, 10, 3380-3389.	1.9	23
44	Reactive blending and transesterification-induced degradation of isosorbide-based polycarbonate blends. Polymer Degradation and Stability, 2019, 162, 201-212.	2.7	14
45	Recent Advances in Bio-Based Flame Retardant Additives for Synthetic Polymeric Materials. Polymers, 2019, 11, 224.	2.0	117
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47	Sustaining our Passion for Sustainability. Polymer International, 2019, 68, 5-6.	1.6	0
48	Influence of Bibenzoate Regioisomers on Cyclohexanedimethanol-Based (Co)polyester Structure-Property Relationships. Macromolecules, 2019, 52, 835-843.	2.2	13
49	Synthesis of isosorbide bis(methyl carbonate) by transesterification of isosorbide with dimethyl carbonate, and evidence of its usefulness as a monomer for manufacturing polycarbonates. Arabian Journal of Chemistry, 2019, 12, 4764-4774.	2.3	19
50	Polymers in the press: catalyzing a reaction. Polymer International, 2020, 69, 5-6.	1.6	0
51	Development of Bis-GMA-free biopolymer to avoid estrogenicity. Dental Materials, 2020, 36, 157-166.	1.6	17
52	Next-generation polymers: Isosorbide as a renewable alternative. Progress in Polymer Science, 2020, 101, 101196.	11.8	140
53	3D printing of bio-based polycarbonate and its potential applications in ecofriendly indoor manufacturing. Additive Manufacturing, 2020, 31, 100974.	1.7	40
54	Aliphatic polycarbonates derived from epoxides and CO ₂ : A comparative study of poly(cyclohexene) Tj ETQq1 1 0.784314 rgBT /Overlock 15	1.8	15
55	Biomass-derived chemical substitutes for bisphenol A: recent advancements in catalytic synthesis. Chemical Society Reviews, 2020, 49, 6329-6363.	18.7	87
56	Synthesis and characterization of BPA-free polyesters by incorporating a semi-rigid cyclobutanediol monomer. Polymer Chemistry, 2020, 11, 6081-6090.	1.9	11

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57	Isosorbide bis(methyl carbonate) synthesis from isosorbide and dimethyl carbonate: the key role of dual basic nucleophilic catalysts. RSC Advances, 2020, 10, 18728-18739.	1.7	17
58	Protecting Group-Controlled Remote Regioselective Electrophilic Aromatic Halogenation Reactions. Journal of Organic Chemistry, 2020, 85, 6862-6871.	1.7	9
59	A Sensitive Impedimetric Sensor Based on Biosourced Polyphosphine Films for the Detection of Lead Ions. Chemosensors, 2020, 8, 34.	1.8	9
60	Efficient synthesis of isosorbide-based polycarbonate with scalable dicationic ionic liquid catalysts by balancing the reactivity of the <i>endo</i> -OH and <i>exo</i> -OH. Green Chemistry, 2021, 23, 973-982.	4.6	24
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63	Hydrophobically Modified Isosorbide Dimethacrylates as a Bisphenol-A (BPA)-Free Dental Filling Material. Materials, 2021, 14, 2139.	1.3	2
64	DFT Analysis of Organotin Catalytic Mechanisms in Dehydration Esterification Reactions for Terephthalic Acid and 2,2,4,4-Tetramethyl-1,3-cyclobutanediol. Journal of Physical Chemistry A, 2021, 125, 4943-4956.	1.1	0
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67	Hydrolytic degradation of isosorbide-based polycarbonates: Effects of terminal groups, additives, and residue catalysts. Polymer Degradation and Stability, 2021, 192, 109703.	2.7	7
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73	Évaluation du potentiel de décontamination des matériaux de construction, des pièces et des consommables automobiles. Techniques - Sciences - Methodes, 2017, , 71-90.	0.0	0
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75	Sugar-Based Polymers with Stereochemistry-Dependent Degradability and Mechanical Properties. <i>Journal of the American Chemical Society</i> , 2022, 144, 1243-1250.	6.6	24
76	Colorless Transparent Cyclobutanediol-Based Copolyesters with Excellent Polymerization Robustness, Thermal Stability, and High Performance. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2006-2016.	2.0	1
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78	Liquid-phase hydrogenation of 2,2,4,4-tetramethyl-1,3-cyclobutanedione over supported Ru based catalysts. <i>Catalysis Communications</i> , 2022, 166, 106453.	1.6	4
79	Bio-based epoxy-anhydride thermosets from multi-armed cardanol-derived epoxy oligomers. <i>Polymers for Advanced Technologies</i> , 2022, 33, 2571-2580.	1.6	3
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83	Understanding glycidylation reaction for the formation of pure mono, diglycidyl and dual monomers as glycidyl methacrylate of vanillyl alcohol. <i>Journal of Applied Polymer Science</i> , 0, , .	1.3	0
84	Surface Mechanical Properties and Topological Characteristics of Thermoplastic Copolyesters after Precisely Controlled Abrasion. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 7552-7561.	4.0	0
85	Plastics to fertilizer: guiding principles for functionable and fertilizable fully bio-based polycarbonates. <i>Polymer Chemistry</i> , 2023, 14, 2469-2477.	1.9	3
86	EDCs: Focus on male fish reproductive alterations. , 2023, , 269-281.		0
87	Endocrine-disrupting chemicals (EDCs) in environmental matrices and human bodily fluids. , 2023, , 25-43.		1