Antxon Martnez de Ilarduya

List of Publications by Citations

165 papers	3,122 citations	29 h-index	43 g-index
172 ext. papers	3,413 ext. citations	4.3 avg, IF	5.34 L-index

#	Paper	IF	Citations
165	High T(g) bio-based aliphatic polyesters from bicyclic D-mannitol. *Biomacromolecules*, **2013**, 14, 781-93	6.9	92
164	Bio-Based Aromatic Polyesters from a Novel Bicyclic Diol Derived from d-Mannitol. *Macromolecules*, **2012**, 45, 8257-8266	5.5	92
163	Carbohydrate-based polyesters made from bicyclic acetalized galactaric acid. *Biomacromolecules*, **2011**, 12, 2642-52	6.9	92
162	Poly(alkylene 2,5-furandicarboxylate)s (PEF and PBF) by ring opening polymerization. *Polymer*, **2016**, 87, 148-158	3.9	91
161	Renewable terephthalate polyesters from carbohydrate-based bicyclic monomers. *Green Chemistry*, **2014**, 16, 1716-1739	10	91
160	Structure and Thermal Properties of New Comblike Polyamides: Helical Poly(.beta.-L-aspartate)s Containing Linear Alkyl Side Chains. *Macromolecules*, **1995**, 28, 5535-5546	5.5	62
159	PET copolyesters made from a D-mannitol-derived bicyclic diol. *Polymer Chemistry*, **2013**, 4, 282-289	4.9	56
158	Polyterephthalates made from Ethylene glycol, 1,4-cyclohexanedimethanol, and isosorbide. *Journal of Polymer Science Part A*, **2011**, 49, 2252-2260	2.5	53
157	New comb-like poly(n-alkyl itaconate)s with crystalizable side chains. *Polymer*, **2003**, 44, 4969-4979	3.9	53
156	Bio-based PBT copolyesters derived from D-glucose: influence of composition on properties. *Polymer Chemistry*, **2014**, 5, 3190-3202	4.9	48
155	Copolyesters made from 1,4-butanediol, sebacic acid, and D-glucose by melt and enzymatic polycondensation. *Biomacromolecules*, **2015**, 16, 868-79	6.9	48
154	Degradable poly(ester amide)s based on l-tartaric acid. *Polymer*, **1997**, 38, 4935-4944	3.9	48
153	Bio-based poly(butylene terephthalate) copolyesters containing bicyclic diacetalized galactitol and galactaric acid: Influence of composition on properties. *Polymer*, **2012**, 53, 3432-3445	3.9	47
152	Sustainable Aromatic Copolyesters via Ring Opening Polymerization: Poly(butylene 2,5-furandicarboxylate-co-terephthalate)s. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 4965-4973	8.3	46
151	D-Glucose-derived PET copolyesters with enhanced Tg. *Polymer Chemistry*, **2013**, 4, 3524	4.9	46
150	Hydrolytic Degradation of Poly(ester amide)s Made from Tartaric and Succinic Acids: Influence of the Chemical Structure and Microstructure on Degradation Rate. *Macromolecules*, **1999**, 32, 8033-8040	5.5	45
149	Fully bio-based aromatic–aliphatic copolyesters: poly(butylene furandicarboxylate-co-succinate)s obtained by ring opening polymerization. *Polymer Chemistry*, **2017**, 8, 748-760	4.9	44

148	Carbohydrate-based copolyesters made from bicyclic acetalized galactaric acid. *Journal of Polymer Science Part A*, **2012**, 50, 1591-1604	2.5	44
147	Solid-State Modification of PBT with Cyclic Acetalized Galactitol and d-Mannitol: Influence of Composition and Chemical Microstructure on Thermal Properties. *Macromolecules*, **2013**, 46, 4335-4345	5.5	44
146	Carbohydrate-based polyurethanes: A comparative study of polymers made from isosorbide and 1,4-butanediol. *Journal of Applied Polymer Science*, **2012**, 123, 986-994	2.9	41
145	Toughening of in situ polymerized cyclic butylene terephthalate by chain extension with a bifunctional epoxy resin. *European Polymer Journal*, **2012**, 48, 163-171	5.2	39
144	Poly(□glutamic acid) esters with reactive functional groups suitable for orthogonal conjugation strategies. *Journal of Polymer Science Part A*, **2012**, 50, 4790-4799	2.5	36
143	Comblike Alkyl Esters of Biosynthetic Poly(□glutamic acid). 1. Synthesis and Characterization. *Macromolecules*, **2001**, 34, 7868-7875	5.5	34
142	Bio-based aromatic copolyesters made from 1,6-hexanediol and bicyclic diacetalized D-glucitol. *Polymer Chemistry*, **2012**, 3, 2092	4.9	33
141	Poly(hexamethylene terephthalate-co-caprolactone) Copolyesters Obtained by Ring-Opening Polymerization. *Macromolecules*, **2008**, 41, 4136-4146	5.5	33
140	Comblike complexes of bacterial poly(gamma,d-glutamic acid) and cationic surfactants. *Biomacromolecules*, **2004**, 5, 144-52	6.9	33
139	Poly(butylene terephthalate) Copolyesters Derived from l-Arabinitol and Xylitol. *Macromolecules*, **2006**, 39, 1410-1416	5.5	32
138	Blocky poly(e-caprolactone-co-butylene 2,5-furandicarboxylate) copolyesters via enzymatic ring opening polymerization. *Journal of Polymer Science Part A*, **2018**, 56, 290-299	2.5	32
137	Helical Poly(□peptides): The Helix□Coil Transition of Poly(□alkyl-□aspartate)s in Solution. *Macromolecules*, **1999**, 32, 3257-3263	5.5	30
136	Isomannide-Containing Poly(butylene 2,5-furandicarboxylate) Copolyesters via Ring Opening Polymerization. *Macromolecules*, **2018**, 51, 3340-3350	5.5	29
135	Chemical Structure and Microstructure of Poly(alkylene terephthalate)s, their Copolyesters, and their Blends as Studied by NMR. *Macromolecular Chemistry and Physics*, **2014**, 215, 2138-2160	2.6	29
134	Biodegradable aromatic copolyesters made from bicyclic acetalized galactaric acid. *Journal of Polymer Science Part A*, **2012**, 50, 3393-3406	2.5	29
133	Poly(butylene succinate-ran-□caprolactone) copolyesters: Enzymatic synthesis and crystalline isodimorphic character. *European Polymer Journal*, **2017**, 95, 795-808	5.2	28
132	Poly(ethylene terephthalate) copolymers containing 1,4-cyclohexane dicarboxylate units. *European Polymer Journal*, **2005**, 41, 1493-1501	5.2	28
131	Poly(ethylene terephthalate) copolyesters derived from (2S,3S)-2,3-dimethoxy-1,4-butanediol. *Journal of Polymer Science Part A*, **2001**, 39, 3250-3262	2.5	27

130	Sequence Analysis of Poly(ethylene terephthalate-co-isophthalate) Copolymers by 13C NMR. *Macromolecules*, **2000**, 33, 4596-4598	5.5	27
129	Stereocopolyamides Derived from 2,3-Di-O-Methyl-d- and -l-Tartaric Acids and Hexamethylenediamine. 2. Influence of the Configurational Composition on the Crystal Structure of Optically Compensated Systems. *Macromolecules*, **1996**, 29, 8413-8424	5.5	27
128	Stereocopolyamides Derived from 2,3-Di-O-methyl-d- and -l-tartaric Acids and Hexamethylenediamine. 1. Synthesis, Characterization, and Compared Properties. *Macromolecules*, **1996**, 29, 8404-8412	5.5	27
127	Phenoxy blends: an approach to the miscibility by FTi.r. and chemical modification of the interacting sites. *Polymer*, **1993**, 34, 38-42	3.9	27
126	Carbohydrate-based PBT copolyesters from a cyclic diol derived from naturally occurring tartaric acid: a comparative study regarding melt polycondensation and solid-state modification. *Green Chemistry*, **2014**, 16, 1789-1798	10	26
125	Bio-based poly(ethylene terephthalate) copolyesters made from cyclic monomers derived from tartaric acid. *Polymer*, **2014**, 55, 2294-2304	3.9	26
124	Thermal decomposition of microbial poly(Ɣglutamic acid) and poly(Ɣglutamate)s. *Polymer Degradation and Stability*, **2007**, 92, 1916-1924	4.7	26
123	Comblike Alkyl Esters of Biosynthetic Poly(Ɣglutamic acid). 2. Supramolecular Structure and Thermal Transitions. *Macromolecules*, **2003**, 36, 7567-7576	5.5	26
122	Poly(Ɣbutyl Ł-aspartate): A second alkoxycarbonyl nylon-3 derivative in helical conformation. *Macromolecular Chemistry and Physics*, **1995**, 196, 253-268	2.6	26
121	Modification of properties of poly(butylene succinate) by copolymerization with tartaric acid-based monomers. *European Polymer Journal*, **2014**, 61, 263-273	5.2	25
120	Nanoparticles made of microbial poly(gamma-glutamate)s for encapsulation and delivery of drugs and proteins. *Journal of Biomaterials Science, Polymer Edition*, **2009**, 20, 1065-79	3.5	25
119	Synthesis, degradability, and drug releasing properties of methyl esters of fungal poly(beta,L-malic acid). *Macromolecular Bioscience*, **2008**, 8, 540-50	5.5	25
118	Preparation and hydrolytic degradation of sulfonated poly(ethylene terephthalate) copolymers. *Polymer*, **2003**, 44, 7281-7289	3.9	25
117	Poly(ethylene terephthalate) copolymers containing 5-tert-butyl isophthalic units. *Journal of Polymer Science Part A*, **2001**, 39, 1994-2004	2.5	24
116	Isohexide and Sorbitol-Derived, Enzymatically Synthesized Renewable Polyesters with Enhanced T. *Biomacromolecules*, **2016**, 17, 3404-3416	6.9	23
115	Comb-like ionic complexes of cationic surfactants with bacterial poly(gamma-glutamic acid) of racemic composition. *Macromolecular Bioscience*, **2005**, 5, 30-8	5.5	23
114	Bio-based PBS copolyesters derived from a bicyclic D-glucitol. *RSC Advances*, **2015**, 5, 46395-46404	3.7	22
113	Poly(ethylene-co-1,4-cyclohexylenedimethylene terephthalate) copolyesters obtained by ring opening polymerization. *Journal of Polymer Science Part A*, **2009**, 47, 5954-5966	2.5	21

112	Synthesis and properties of poly(hexamethylene terephthalate)/multiwall carbon nanotubes nanocomposites. *Composites Science and Technology*, **2010**, 70, 789-796	8.6	21
111	Poly(ethylene terephthalate) copolymers containing nitroterephthalic units. I. Synthesis and characterization. *Journal of Polymer Science Part A*, **2000**, 38, 3761-3770	2.5	21
110	Thermal decomposition of fungal poly(beta,L-malic acid) and Poly(beta,L-malate)s. *Biomacromolecules*, **2006**, 7, 3283-90	6.9	19
109	Tuning the Thermal Properties and Morphology of Isodimorphic Poly[(butylene succinate)-ran-(ε-caprolactone)] Copolyesters by Changing Composition, Molecular Weight, and Thermal History. *Macromolecules*, **2018**, 51, 9589-9601	5.5	19
108	Green and selective polycondensation methods toward linear sorbitol-based polyesters: enzymatic versus organic and metal-based catalysis. *ChemSusChem*, **2016**, 9, 2250-60	8.3	18
107	Poly(β-L-malic acid)/Doxorubicin ionic complex: A pH-dependent delivery system. *Reactive and Functional Polymers*, **2014**, 81, 45-53	4.6	18
106	Bio-based poly(hexamethylene terephthalate) copolyesters containing cyclic acetalized tartrate units. *Polymer*, **2013**, 54, 1573-1582	3.9	18
105	Poly(butylene succinate) Ionomers with Enhanced Hydrodegradability. *Polymers*, **2015**, 7, 1232-1247	4.5	18
104	Poly(methyl malate) nanoparticles: formation, degradation, and encapsulation of anticancer drugs. *Macromolecular Bioscience*, **2011**, 11, 1370-7	5.5	18
103	Hydrolyzable aromatic copolyesters of p-dioxanone. *Biomacromolecules*, **2010**, 11, 2512-20	6.9	18
102	Polyesters analogous to PET and PBT based on O-benzyl ethers of xylitol and L-arabinitol. *Journal of Polymer Science Part A*, **2008**, 46, 5167-5179	2.5	18
101	Nanostructurated complexes of poly(beta,L-malate) and cationic surfactants: synthesis, characterization and structural aspects. *Biomacromolecules*, **2006**, 7, 161-70	6.9	17
100	Homo- and copolymerization of styrene and 1-alkene using Ph2Zn/Et(Ind)2ZrCl2/MAO initiator systems. *European Polymer Journal*, **2005**, 41, 1013-1019	5.2	17
99	Copolymerization of styrene by diphenylzinc-additive systems I. Copolymerization of styrene/p-tert-butylstyrene by Ph2Zn/metallocene/MAO systems. *European Polymer Journal*, **2001**, 37, 1001-1006	5.2	17
98	Synthesis of heterotelechelic poly(ethylene glycol)s and their characterization by MALDI-TOF-MS. *Macromolecular Chemistry and Physics*, **1999**, 200, 1363-1373	2.6	17
97	Modification of Microbial Polymalic Acid With Hydrophobic Amino Acids for Drug-Releasing Nanoparticles. *Macromolecular Chemistry and Physics*, **2012**, 213, 1623-1631	2.6	16
96	Spectroscopic Evidence for Stereocomplex Formation by Enantiomeric Polyamides Derived from Tartaric Acid. *Macromolecules*, **2008**, 41, 3734-3738	5.5	16
95	Poly(γ-alkyl γ-glutamate)s of microbial origin: I. Ester derivatization of poly(γ-glutamic acid) and thermal degradation. *Polymer*, **2001**, 42, 9319-9327	3.9	16

94	Optically active polyamides containing 1,3-dioxolane cycles in the backbone. *Polymer*, **2000**, 41, 4869-4879	3.9	16
93	Sugar-based bicyclic monomers for aliphatic polyesters: a comparative appraisal of acetalized alditols and isosorbide. *Designed Monomers and Polymers*, **2017**, 20, 157-166	3.1	15
92	Cationic poly(butylene succinate) copolyesters. *European Polymer Journal*, **2016**, 75, 329-342	5.2	15
91	A green strategy for the synthesis of poly(ethylene succinate) and its copolyesters via enzymatic ring opening polymerization. *European Polymer Journal*, **2017**, 95, 514-519	5.2	15
90	Partially renewable copolyesters prepared from acetalized d-glucitol by solid-state modification of poly(butylene terephthalate). *Journal of Polymer Science Part A*, **2014**, 52, 164-177	2.5	15
89	Poly(ethylene terephthalate) terpolyesters containing 1,4-cyclohexanedimethanol and isosorbide. *High Performance Polymers*, **2012**, 24, 24-30	1.6	15
88	Poly(ester amide)s Derived froml-Malic Acid. *Macromolecules*, **2004**, 37, 2067-2075	5.5	15
87	Dielectric Relaxations in Poly(glycidyl phenyl ether): Effects of Microstructure and Cyclic Topology. *Macromolecules*, **2016**, 49, 1060-1069	5.5	14
86	Poly(hexamethylene terephthalate)layered silicate nanocomposites. *European Polymer Journal*, **2010**, 46, 156-164	5.2	14
85	Conformation and Crystal Structure of Poly(cycloalkyl-l-aspartate)s. *Journal of Physical Chemistry A*, **1997**, 101, 4215-4223	2.8	14
84	Ionic complexes of biosynthetic poly(malic acid) and poly(glutamic acid) as prospective drug-delivery systems. *Macromolecular Bioscience*, **2007**, 7, 897-906	5.5	14
83	Synthesis, characterization and thermal behavior of Poly(methyl-n-octadecyl itaconate) a comb-like polymer with crystallizable side chain. *Polymer Bulletin*, **2002**, 48, 59-66	2.4	14
82	Poly(ester amide)s derived from L-tartaric acid and amino alcohols. II. Aregic polymers. *Journal of Polymer Science Part A*, **2000**, 38, 2687-2696	2.5	14
81	Sequence Analysis of Polyether-Based Thermoplastic Polyurethane Elastomers by 13C NMR. *Macromolecules*, **2010**, 43, 3990-3993	5.5	13
80	Butylene copolyesters based on aldaric and terephthalic acids. Synthesis and characterization. *Journal of Polymer Science Part A*, **2009**, 47, 1168-1177	2.5	13
79	Linear polyurethanes made from naturally occurring tartaric acid. *Journal of Polymer Science Part A*, **2009**, 47, 2391-2407	2.5	13
78	Hairy-rod random copoly(l-aspartate)s containing alkyl and benzyl side groups. *Polymer*, **2003**, 44, 1-6	3.9	13
77	clickablebacterial poly(glutamic acid). *Polymer Chemistry*, **2020**, 11, 5582-5589	4.9	13

76	Ring opening polymerization of macrocyclic oligoesters derived from renewable sources. *Polymer Chemistry*, **2020**, 11, 4850-4860	4.9	11
75	Comblike Ionic Complexes of Poly(L-glutamic acid) and Alkanoylcholines Derived from Fatty Acids. *Macromolecules*, **2013**, 46, 1607-1617	5.5	11
74	Comb-like ionic complexes of hyaluronic acid with alkyltrimethylammonium surfactants. *Carbohydrate Polymers*, **2013**, 92, 691-6	10.3	11
73	Poly(hexamethylene terephthalate-co-caprolactone) copolymers: Influence of cycle size on ring-opening polymerization. *European Polymer Journal*, **2010**, 46, 792-803	5.2	11
72	Linear polyamides from L-malic acid and alkanediamines. *Journal of Polymer Science Part A*, **2004**, 42, 1566-1575	2.5	11
71	Copoly(L,dl-glutamate)s containing short and long linear alkyl side chains. *Polymer*, **2003**, 44, 7557-7564	3.9	11
70	Hydrolytic degradation of poly(ethylene terephthalate) copolymers containing nitrated units. *Polymer Degradation and Stability*, **2003**, 79, 353-358	4.7	11
69	Poly(ethylene terephthalate) copolymers containing 5-nitroisophthalic units. II. Crystallization studies. *Journal of Polymer Science, Part B: Polymer Physics*, **2001**, 39, 1553-1564	2.6	11
68	Synthesis of Aromatic–Aliphatic Polyesters by Enzymatic Ring Opening Polymerization of Cyclic Oligoesters and their Cyclodepolymerization for a Circular Economy. *ACS Applied Polymer Materials*, **2019**, 1, 321-325	4.3	10
67	Isocyanate toughened pCBT: Reactive blending and tensile properties. *EXPRESS Polymer Letters*, **2013**, 7, 172-185	3.4	10
66	Poly(ethylene terephthalate-co-isophthalate) copolyesters obtained from ethylene terephthalate and isophthalate oligomers. *Journal of Applied Polymer Science*, **2010**, 115, 1823-1830	2.9	10
65	Microstructure and crystallization of melt-mixed poly(ethylene terephthalate)/poly(ethylene isophthalate) blends. *Journal of Applied Polymer Science*, **2003**, 90, 3076-3086	2.9	10
64	Sequence Analysis of Poly(ethylene terephthalate) Terpolyesters Containing Isophthalic and tert-Butylisophthalic Units by 13C NMR. *Macromolecules*, **2002**, 35, 314-317	5.5	10
63	Poly(alpha-alkyl gamma-glutamate)s of microbial origin. 2. On the microstructure and crystal structure of poly(alpha-ethyl gamma-glutamate)s. *Biomacromolecules*, **2002**, 3, 1078-86	6.9	10
62	Hydrolytic degradation of d-mannitol-based polyurethanes. *Polymer Degradation and Stability*, **2018** , 153, 262-271	4.7	9
61	Poly(ethylene isophthalate)s: effect of the tert-butyl substituent on structure and properties. *Polymer*, **2004**, 45, 5005-5012	3.9	9
60	Poly(L-aspartate)s Containing Ethylene Oxide Units in the Side Chain: Synthesis and Structural Studies. *Polymer Journal*, **1994**, 26, 694-704	2.7	9
59	Controlling the Isothermal Crystallization of Isodimorphic PBS--PCL Random Copolymers by Varying Composition and Supercooling. *Polymers*, **2019**, 12,	4.5	9

58	Partially Renewable Poly(butylene 2,5-furandicarboxylate--isophthalate) Copolyesters Obtained by ROP. *Polymers*, **2018**, 10,	4.5	8
57	Sulfonated poly(hexamethylene terephthalate) copolyesters: Enhanced thermal and mechanical properties. *Journal of Applied Polymer Science*, **2013**, 129, 3527-3535	2.9	8
56	Comb-like ionic complexes of pectinic and alginic acids with alkyltrimethylammonium surfactants. *Carbohydrate Polymers*, **2011**, 86, 484-490	10.3	8
55	Poly(ethylene terephthalate) copolymers containing nitroterephthalic units. III. Methanolytic degradation. *Journal of Polymer Science Part A*, **2002**, 40, 2276-2285	2.5	8
54	Poly(butylene terephthalate-co-5-tert-butyl isophthalate) copolyesters: Synthesis, characterization, and properties. *Journal of Polymer Science Part A*, **2005**, 43, 92-100	2.5	8
53	Triblock copolyesters derived from lactic acid and glucose: Synthesis, nanoparticle formation and simulation. *European Polymer Journal*, **2017**, 92, 1-12	5.2	8
52	Poly(butylene succinate) ionomers and their use as compatibilizers in nanocomposites. *Polymer Composites*, **2016**, 37, 2603-2610	3	8
51	Crystalline structure and thermotropic behavior of alkyltrimethylphosphonium amphiphiles. *Physical Chemistry Chemical Physics*, **2017**, 19, 4370-4382	3.6	7
50	Nanoparticles of esterified polymalic acid for controlled anticancer drug release. *Macromolecular Bioscience*, **2014**, 14, 1325-36	5.5	7
49	Biodegradable Copolyesters of Poly(hexamethylene terephthalate) Containing Bicyclic 2,4:3,5-Di-O-methylene-d-Glucarate Units. *Macromolecular Chemistry and Physics*, **2014**, 215, 2048-2059	2.6	7
48	Conformational Analysis of (S)-4-(Cyclohexoxycarbonyl)-2-azetidinone. *Journal of Physical Chemistry A*, **1997**, 101, 4208-4214	2.8	7
47	Rheological Features and Flow-Induced Crystallization of Branched Poly[ethylene-co-(1,4-cyclohexanedimethylene terephthalate)] Copolyesters. *Macromolecular Materials and Engineering*, **2008**, 293, 836-846	3.9	7
46	Synthesis and structure of random and block copoly(□-aspartate)s containing short and long alkyl side chains. *Polymer*, **2000**, 41, 8475-8486	3.9	7
45	Metal-free catalyzed ring-opening polymerization and block copolymerization of □pentadecalactone using amino-ended initiators. *European Polymer Journal*, **2018**, 108, 380-389	5.2	7
44	Synthesis and properties of diblock copolymers of □pentadecalactone and □amino acids. *European Polymer Journal*, **2019**, 116, 169-179	5.2	6
43	Hydroxyl-functionalized amphiphilic triblock copolyesters made of tartaric and lactic acids: Synthesis and nanoparticle formation. *Reactive and Functional Polymers*, **2018**, 126, 52-62	4.6	6
42	Modulating the T of Poly(alkylene succinate)s by Inserting Bio-Based Aromatic Units via Ring-Opening Copolymerization. *Polymers*, **2017**, 9,	4.5	6
41	Complexes of polyglutamic acid and long-chain alkanoylcholines: nanoparticle formation and drug release. *International Journal of Biological Macromolecules*, **2014**, 66, 346-53	7.9	6

40	Styrene/(substituted styrene) copolymerization by Ph2Zn/metallocene/MAO systems: Synthesis and characterization of poly(styrene-co-p-hydroxystyrene) copolymers. *Polymer*, **2007**, 48, 4646-4652	3.9	6
39	Poly(ethylene terephthalate) copolymers containing 5-nitroisophthalic units. III. Methanolytic degradation. *Journal of Polymer Science Part A*, **2002**, 40, 76-87	2.5	6
38	Poly(ethylene terephthalate) terpolyesters containing isophthalic and 5-tert-butylisophthalic units. *Journal of Polymer Science Part A*, **2003**, 41, 124-134	2.5	6
37	Analysis of the conformational preferences of (4R,5R)-4,5-bis(alkylcarbamoyl)-1,3-dioxolanes. *Tetrahedron*, **1996**, 52, 8275-8286	2.4	6
36	Biocompatible graft copolymers from bacterial poly(γ-glutamic acid) and poly(lactic acid). *Polymer Chemistry*, **2021**, 12, 3784-3793	4.9	6
35	Organocatalyzed closed-loop chemical recycling of thermo-compressed films of poly(ethylene furanoate). *Polymer Chemistry*, **2021**, 12, 1571-1580	4.9	6
34	Ionic complexes of poly(γ-glutamic acid) with alkyltrimethylphosphonium surfactants. *Polymer*, **2017**, 116, 43-54	3.9	5
33	Poly (γ-Dodecyl γ-Glutamate) (PAAG-12) and Polylactic Acid Films Charged with α-Tocopherol and Their Antioxidant Capacity in Food Models. *Antioxidants*, **2019**, 8,	7.1	5
32	Thermal behavior of long-chain alkanoylcholine soaps. *RSC Advances*, **2014**, 4, 10738-10750	3.7	5
31	Structural characterization and thermal properties of poly(ethylene terephthalate) copolymers containing 2-butyl-2-ethyl-1,3-propanediol. *Journal of Applied Polymer Science*, **2002**, 86, 1077-1086	2.9	5
30	Influence of the chemical modification of phenoxy resin on its miscibility with poly(2-vinyl pyridine). *Polymer International*, **1994**, 33, 393-398	3.3	5
29	Poly(amino acid)-grafted polymacrolactones. Synthesis, self-assembling and ionic coupling properties. *Reactive and Functional Polymers*, **2019**, 143, 104316	4.6	4
28	Polyesters Based on Cyclohexanedimethanol **2011**, 181-220		4
27	Poly(ethylene terephthalate) copolymers containing nitroterephthalic units. II. Crystallization and conformational studies. *Journal of Polymer Science, Part B: Polymer Physics*, **2002**, 40, 2759-2771	2.6	4
26	Poly(γ-isobutyl-γ-D,L-aspartate)s: Polymerization effects on configuration and crystal structure of the stereocopolymers **1996**, 34, 1959-1968		4
25	Synthesis, Structure, Crystallization and Mechanical Properties of Isodimorphic PBS--PCL Copolyesters. *Polymers*, **2021**, 13,	4.5	4
24	Copolymacrolactones Grafted with l-Glutamic Acid: Synthesis, Structure, and Nanocarrier Properties. *Polymers*, **2020**, 12,	4.5	3
23	pH-Responsive diblock copolymers made of ω-pentadecalactone and ionically charged α-amino acids. *European Polymer Journal*, **2019**, 120, 109244	5.2	3

22	The structure of poly(L-glutamic acid)/nanoclay hybrids compatibilized by alkylammonium surfactants. *European Polymer Journal*, **2013**, 49, 2596-2609	5.2	3
21	Ionic Complexes of Polyacids and Cationic Surfactants. *Macromolecular Symposia*, **2010**, 296, 265-271	0.8	3
20	Synthesis and secondary structure of oligo(alpha-isobutyl beta,L-aspartate)s. *Biopolymers*, **2005**, 77, 121-27	2.2	3
19	Miscibility windows of poly(vinyl methyl ether) with modified phenoxy resin. *European Polymer Journal*, **2001**, 37, 1943-1950	5.2	3
18	Comblike Ionic Complexes of Hyaluronic Acid and Alkanoylcholine Surfactants as a Platform for Drug Delivery Systems. *Biomacromolecules*, **2018**, 19, 3669-3681	6.9	2
17	Block and Graft Copolymers Made of 16-Membered Macrolactones and l-Alanine: A Comparative Study. *Macromolecular Chemistry and Physics*, **2019**, 220, 1900214	2.6	2
16	Thermal behavior of poly(N-alkyl L-aspartate)s. *Journal of Theoretical Biology*, **1997**, 49, 693-702	2.3	2
15	Ionic Complexes of Biotechnological Polyacids with Cationic Surfactants. *Macromolecular Symposia*, **2008**, 273, 85-94	0.8	2
14	Crystallization and crystal structure of poly(ester amide)s derived from L-tartaric acid. *Journal of Polymer Science, Part B: Polymer Physics*, **2007**, 45, 116-125	2.6	2
13	Comblike Complexes of Poly(itaconic acid) and Poly(mono methyl itaconate) and Alkyltrimethylamonium Cationic Surfactants. *Polymer Bulletin*, **2007**, 58, 529-539	2.4	2
12	Comblike Complexes of Poly(aspartic acid) and Alkyltrimethylamonium Cationic Surfactants. *Macromolecular Symposia*, **2006**, 245-246, 266-275	0.8	2
11	ROP and crystallization behaviour of partially renewable triblock aromatic-aliphatic copolymers derived from L-lactide. *European Polymer Journal*, **2020**, 122, 109321	5.2	2
10	Development of fluorine-free waterborne textile finishing agents for anti-stain and solvent-water separation based on low surface energy (co)polymers. *Progress in Organic Coatings*, **2021**, 150, 105968	4.8	2
9	Modification of microbial polymers by thiol-ene click reaction: Nanoparticle formation and drug encapsulation. *Reactive and Functional Polymers*, **2016**, 106, 143-152	4.6	1
8	A d.s.c. study of crystallization behaviour of poly(N-alkyl L-aspartate)s. *Polymer*, **1999**, 40, 801-805	3.9	1
7	Chemical modifications of phenoxy resin. Synthesis and 1H NMR study of model compounds. *Magnetic Resonance in Chemistry*, **1991**, 29, 1005-1011	2.1	1
6	A Biodegradable Copolyester, Poly(butylene succinate--L-caprolactone), as a High Efficiency Matrix Former for Controlled Release of Drugs. *Pharmaceutics*, **2021**, 13,	6.4	1
5	Stereoregular polyamides entirely based on tartaric acid **1999**, 37, 983		1

4	Synthesis and characterization of poly(butylene terephthalate) copolyesters derived from threitol. *Polymers and Polymer Composites*,096739112110232	0.8	0
3	Polypeptide-based materials prepared by ring-opening polymerisation of anionic-based □amino acid N-carboxyanhydrides: A platform for delivery of bioactive-compounds. *Reactive and Functional Polymers*, **2021**, 105040	4.6	0
2	Enzymatic recycling of polymacrolactones. *Polymer Chemistry*, **2022**, 13, 1586-1595	4.9	0
1	Synthesis of Poly(□alkyl □L-aspartate)s by Transesterification. *Macromolecular Rapid Communications*, **2002**, 23, 849-852	4.8	