Sebastian MuÃ±oz Guerra

List of Publications by Year
in descending order

213 papers	5,175 citations	125106 35 h-index	182931 54 g-index
215 all docs	215 docs citations	215 times ranked	3782 citing authors

#	Article	IF	Citations
1	Poly(butylene succinate-co-Îµ-caprolactone) Copolyesters: Enzymatic Synthesis in Bulk and Thermal Properties. Polymers, 2021, 13, 2679.	2.0	7
2	ROP and crystallization behaviour of partially renewable triblock aromatic-aliphatic copolymers derived from L-lactide. European Polymer Journal, 2020, 122, 109321.	2.6	4
3	Controlling the Isothermal Crystallization of Isodimorphic PBS-ran-PCL Random Copolymers by Varying Composition and Supercooling. Polymers, 2020, 12, 17.	2.0	26
4	â€œClickableâ€•bacterial poly(Î³-glutamic acid). Polymer Chemistry, 2020, 11, 5582-5589.	1.9	31
5	Copolymacrolactones Grafted with l-Glutamic Acid: Synthesis, Structure, and Nanocarrier Properties. Polymers, 2020, 12, 995.	2.0	6
6	Ring opening polymerization of macrocyclic oligoesters derived from renewable sources. Polymer Chemistry, 2020, 11, 4850-4860.	1.9	20
7	Block and Graft Copolymers Made of 16â€Membered Macrolactones and l â€Alanine: A Comparative Study. Macromolecular Chemistry and Physics, 2019, 220, 1900214.	1.1	4
8	Poly (Î±-Dodecyl Î³-Glutamate) (PAAG-12) and Polylactic Acid Films Charged with Î±-Tocopherol and Their Antioxidant Capacity in Food Models. Antioxidants, 2019, 8, 284.	2.2	9
9	Synthesis and properties of diblock copolymers of ï‰-pentadecalactone and Î±-amino acids. European Polymer Journal, 2019, 116, 169-179.	2.6	11
10	Synthesis of Aromaticâ€“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.	2.0	16
11	Isomannide-Containing Poly(butylene 2,5-furandicarboxylate) Copolyesters via Ring Opening Polymerization. Macromolecules, 2018, 51, 3340-3350.	2.2	38
12	Hydroxyl-functionalized amphiphilic triblock copolyesters made of tartaric and lactic acids: Synthesis and nanoparticle formation. Reactive and Functional Polymers, 2018, 126, 52-62.	2.0	7
13	Blocky poly(É›â€caprolactoneâ€coâ€butylene 2,5â€furandicarboxylate) copolyesters via enzymatic ring opening polymerization. Journal of Polymer Science Part A, 2018, 56, 290-299.	2.5	39
14	Tuning the Thermal Properties and Morphology of Isodimorphic Poly[(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (succinate) Thermal History. Macromolecules, 2018, 51, 9589-9601.	2.2	32
15	Ionic coupling of hyaluronic acid with ethyl N-lauroyl l-arginate (LAE): Structure, properties and biocide activity of complexes. Carbohydrate Polymers, 2018, 197, 109-116.	5.1	9
16	Comblike Ionic Complexes of Hyaluronic Acid and Alkanoylcholine Surfactants as a Platform for Drug Delivery Systems. Biomacromolecules, 2018, 19, 3669-3681.	2.6	6
17	Amphiphilic ionic complexes of hyaluronic acid with organophosphonium compounds and their antimicrobial activity. International Journal of Biological Macromolecules, 2018, 118, 2021-2031.	3.6	5
18	Antibacterial Films Made of Ionic Complexes of Poly(Î³-glutamic acid) and Ethyl Lauroyl Arginate. Polymers, 2018, 10, 21.	2.0	15

#	Article	IF	Citations
19	Partially Renewable Poly(butylene 2,5-furandicarboxylate-co-isophthalate) Copolyesters Obtained by ROP. Polymers, 2018, 10, 483.	2.0	12
20	Nanocomposites of Microbial Polyglutamic Acid and Nanoclays Compatibilized by Organophosphonium Surfactants. Macromolecular Chemistry and Physics, 2018, 219, 1800083.	1.1	1
21	Crystalline structure and thermotropic behavior of alkyltrimethylphosphonium amphiphiles. Physical Chemistry Chemical Physics, 2017, 19, 4370-4382.	1.3	7
22	Poly(butylene succinate-ran-Îµ-caprolactone) copolyesters: Enzymatic synthesis and crystalline isodimorphic character. European Polymer Journal, 2017, 95, 795-808.	2.6	41
23	Fully bio-based aromaticâ€“aliphatic copolyesters: poly(butylene furandicarboxylate-co-succinate)s obtained by ring opening polymerization. Polymer Chemistry, 2017, 8, 748-760.	1.9	59
24	Sugar-based bicyclic monomers for aliphatic polyesters: a comparative appraisal of acetalized alditols and isosorbide. Designed Monomers and Polymers, 2017, 20, 157-166.	0.7	22
25	Ionic complexes of poly(Î³-glutamic acid) with alkyltrimethylphosphonium surfactants. Polymer, 2017, 116, 43-54.	1.8	6
26	Modulating the Tg of Poly(alkylene succinate)s by Inserting Bio-Based Aromatic Units via Ring-Opening Copolymerization. Polymers, 2017, 9, 701.	2.0	7
27	Triblock copolyesters derived from lactic acid and glucose: Synthesis, nanoparticle formation and simulation. European Polymer Journal, 2017, 92, 1-12.	2.6	8
28	Poly(butylene succinate) ionomers and their use as compatibilizers in nanocomposites. Polymer Composites, 2016, 37, 2603-2610.	2.3	8
29	Modification of microbial polymers by thiol-ene click reaction: Nanoparticle formation and drug encapsulation. Reactive and Functional Polymers, 2016, 106, 143-152.	2.0	2
30	Isohexide and Sorbitol-Derived, Enzymatically Synthesized Renewable Polyesters with Enhanced T_g. Biomacromolecules, 2016, 17, 3404-3416.	2.6	28
31	Sustainable Aromatic Copolyesters via Ring Opening Polymerization: Poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 26 7 T 4965-4973.	3.2	55
32	Poly(alkylene 2,5-furandicarboxylate)s (PEF and PBF) by ring opening polymerization. Polymer, 2016, 87, 148-158.	1.8	111
33	Cationic poly(butylene succinate) copolyesters. European Polymer Journal, 2016, 75, 329-342.	2.6	23
34	Poly(butylene succinate) Ionomers with Enhanced Hydrodegradability. Polymers, 2015, 7, 1232-1247.	2.0	23
35	Bio-based PBS copolyesters derived from a bicyclic <scp>d</scp>-glucitol. RSC Advances, 2015, 5, 46395-46404.	1.7	27
36	Copolyesters Made from 1,4-Butanediol, Sebacic Acid, and <scp>d</scp>-Glucose by Melt and Enzymatic Polycondensation. Biomacromolecules, 2015, 16, 868-879.	2.6	56

#	Article	IF	Citations
37	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.	1.1	35
38	Modification of properties of poly(butylene succinate) by copolymerization with tartaric acid-based monomers. European Polymer Journal, 2014, 61, 263-273.	2.6	38
39	Partially renewable copolyesters prepared from acetalized <scp>d</scp>â€glucitol by solidâ€state modification of poly(butylene terephthalate). Journal of Polymer Science Part A, 2014, 52, 164-177.	2.5	17
40	Bio-based poly(ethylene terephthalate) copolyesters made from cyclic monomers derived from tartaric acid. Polymer, 2014, 55, 2294-2304.	1.8	33
41	Complexes of polyglutamic acid and long-chain alkanoylcholines: Nanoparticle formation and drug release. International Journal of Biological Macromolecules, 2014, 66, 346-353.	3.6	9
42	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.	4.6	33
43	Renewable terephthalate polyesters from carbohydrate-based bicyclic monomers. Green Chemistry, 2014, 16, 1716-1739.	4.6	99
44	Bio-based PBT copolyesters derived fromd-glucose: influence of composition on properties. Polymer Chemistry, 2014, 5, 3190-3202.	1.9	54
45	Thermal behavior of long-chain alkanoylcholine soaps. RSC Advances, 2014, 4, 10738-10750.	1.7	6
46	Nanoparticles of Esterified Polymalic Acid for Controlled Anticancer Drug Release. Macromolecular Bioscience, 2014, 14, 1325-1336.	2.1	8
47	Poly(Î²,L-malic acid)/Doxorubicin ionic complex: A pH-dependent delivery system. Reactive and Functional Polymers, 2014, 81, 45-53.	2.0	25
48	Biodegradable Copolyesters of Poly(hexamethylene terephthalate) Containing Bicyclic 2,4:3,5â€Diâ€Oâ€methyleneâ€<scp>d</scp>â€Glucarate Units. Macromolecular Chemistry and Physics, 2014, 215, 2048-2059.	2.4	8
49	The structure of poly(Î³-glutamic acid)/nanoclay hybrids compatibilized by alkylammonium surfactants. European Polymer Journal, 2013, 49, 2596-2609.	2.6	3
50	Bio-based poly(hexamethylene terephthalate) copolyesters containing cyclic acetalized tartrate units. Polymer, 2013, 54, 1573-1582.	1.8	19
51	Sugar-based aromatic copolyesters: a comparative study regarding isosorbide and diacetalized alditols as sustainable comonomers. Green Chemistry, 2013, 15, 144-151.	4.6	70
52	Comblike Ionic Complexes of Poly(Î³-glutamic acid) and Alkanoylcholines Derived from Fatty Acids. Macromolecules, 2013, 46, 1607-1617.	2.2	11
53	Comb-like ionic complexes of hyaluronic acid with alkyltrimethylammonium surfactants. Carbohydrate Polymers, 2013, 92, 691-696.	5.1	14
54	High Tg Bio-Based Aliphatic Polyesters from Bicyclic<scp>d</scp>-Mannitol. Biomacromolecules, 2013, 14, 781-793.	2.6	104

#	Article	IF	Citations
55	d-Glucose-derived PET copolyesters with enhanced Tg. Polymer Chemistry, 2013, 4, 3524.	1.9	55
56	Chemical Modification of Microbial Poly(Î³-glutamic acid). Journal of Renewable Materials, 2013, 1, 42-60.	1.1	21
57	Solid-State Modification of PBT with Cyclic Acetalized Galactitol and <scp>d</scp>-Mannitol: Influence of Composition and Chemical Microstructure on Thermal Properties. Macromolecules, 2013, 46, 4335-4345.	2.2	50
58	PET copolyesters made from a<scp>d</scp>-mannitol-derived bicyclic diol. Polymer Chemistry, 2013, 4, 282-289.	1.9	61
59	Sulfonated poly(hexamethylene terephthalate) copolyesters: Enhanced thermal and mechanical properties. Journal of Applied Polymer Science, 2013, 129, 3527-3535.	1.3	11
60	Carbohydrate-based polyamides and polyesters: an overview illustrated with two selected examples. High Performance Polymers, 2012, 24, 9-23.	0.8	32
61	Bio-based aromatic copolyesters made from 1,6-hexanediol and bicyclic diacetalized d-glucitol. Polymer Chemistry, 2012, 3, 2092.	1.9	40
62	Nanocomposites of comb-like ionic complexes of bacterial poly(glutamic acid) with nanoclays. European Polymer Journal, 2012, 48, 1838-1845.	2.6	5
63	Study of molecular structure and vibrational spectra of poly (Î²,-l-malic acid) [PMLA] using DFT approach. Polymer, 2012, 53, 2681-2690.	1.8	6
64	Bio-based poly(butylene terephthalate) copolyesters containing bicyclic diacetalized galactitol and galactaric acid: Influence of composition on properties. Polymer, 2012, 53, 3432-3445.	1.8	49
65	Poly(ethylene terephthalate) terpolyesters containing 1,4-cyclohexanedimethanol and isosorbide. High Performance Polymers, 2012, 24, 24-30.	0.8	18
66	Bio-Based Aromatic Polyesters from a Novel Bicyclic Diol Derived from <scp>d</scp>-Mannitol. Macromolecules, 2012, 45, 8257-8266.	2.2	103
67	Poly(Î³â€glutamic acid) esters with reactive functional groups suitable for orthogonal conjugation strategies. Journal of Polymer Science Part A, 2012, 50, 4790-4799.	2.5	42
68	Carbohydrateâ€based copolyesters made from bicyclic acetalized galactaric acid. Journal of Polymer Science Part A, 2012, 50, 1591-1604.	2.5	45
69	Biodegradable aromatic copolyesters made from bicyclic acetalized galactaric acid. Journal of Polymer Science Part A, 2012, 50, 3393-3406.	2.5	30
70	Modification of Microbial Polymalic Acid With Hydrophobic Amino Acids for Drugâ€Releasing Nanoparticles. Macromolecular Chemistry and Physics, 2012, 213, 1623-1631.	1.1	18
71	Carbohydrateâ€based polyurethanes: A comparative study of polymers made from isosorbide and 1,4â€butanediol. Journal of Applied Polymer Science, 2012, 123, 986-994.	1.3	50
72	Carbohydrate-Based Polyesters Made from Bicyclic Acetalized Galactaric Acid. Biomacromolecules, 2011, 12, 2642-2652.	2.6	95

#	Article	IF	Citations
73	Polyterephthalates made from Ethylene glycol, 1,4â€cyclohexanedimethanol, and isosorbide. Journal of Polymer Science Part A, 2011, 49, 2252-2260.	2.5	55
74	Poly(methyl malate) Nanoparticles: Formation, Degradation, and Encapsulation of Anticancer Drugs. Macromolecular Bioscience, 2011, 11, 1370-1377.	2.1	19
75	Comb-like ionic complexes of pectinic and alginic acids with alkyltrimethylammonium surfactants. Carbohydrate Polymers, 2011, 86, 484-490.	5.1	8
76	Thermal degradation and theoretical interpretation of vibrational spectra of poly (Î²,l-malic acid). Polymer, 2011, 52, 3118-3126.	1.8	7
77	Poly(ethylene terephthalateâ€coâ€isophthalate) copolyesters obtained from ethylene terephthalate and isophthalate oligomers. Journal of Applied Polymer Science, 2010, 115, 1823-1830.	1.3	11
78	Poly(hexamethylene terephthalate)â€“layered silicate nanocomposites. European Polymer Journal, 2010, 46, 156-164.	2.6	15
79	Poly(hexamethylene terephthalate-co-caprolactone) copolymers: Influence of cycle size on ring-opening polymerization. European Polymer Journal, 2010, 46, 792-803.	2.6	12
80	Synthesis and properties of poly(hexamethylene terephthalate)/multiwall carbon nanotubes nanocomposites. Composites Science and Technology, 2010, 70, 789-796.	3.8	26
81	Ionic Complexes of Polyacids and Cationic Surfactants. Macromolecular Symposia, 2010, 296, 265-271.	0.4	3
82	Nanoconjugate Platforms Development Based in Poly(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (xmlns:mml="http://ww Methyl Esters for Tumor Drug Delivery. Journal of Nanomaterials, 2010, 2010, 1-8.	1.5	19
83	Hydrolyzable Aromatic Copolyesters of p-Dioxanone. Biomacromolecules, 2010, 11, 2512-2520.	2.6	23
84	Sequence Analysis of Polyether-Based Thermoplastic Polyurethane Elastomers by ¹³C NMR. Macromolecules, 2010, 43, 3990-3993.	2.2	14
85	Nanoparticles Made of Microbial Poly(Î³-glutamate)s for Encapsulation and Delivery of Drugs and Proteins. Journal of Biomaterials Science, Polymer Edition, 2009, 20, 1065-1079.	1.9	27
86	Hydroxylated Linear Polyurethanes Derived from Sugar Alditols. Macromolecular Chemistry and Physics, 2009, 210, 486-494.	1.1	27
87	Carbohydrateâ€based poly(esterâ€urethane)s: A comparative study regarding cyclic alditols extenders and polymerization procedures. Journal of Applied Polymer Science, 2009, 114, 3723-3736.	1.3	40
88	Butylene copolyesters based on aldaric and terephthalic acids. Synthesis and characterization. Journal of Polymer Science Part A, 2009, 47, 1168-1177.	2.5	13
89	Linear polyurethanes made from naturally occurring tartaric acid. Journal of Polymer Science Part A, 2009, 47, 2391-2407.	2.5	13
90	Poly(ethyleneâ€coâ€1,4â€cyclohexylenedimethylene terephthalate) copolyesters obtained by ring opening polymerization. Journal of Polymer Science Part A, 2009, 47, 5954-5966.	2.5	24

#	Article	IF	Citations
91	Crystalline structure and crystallization of stereoisomeric polyamides derived from arabinaric acid. Polymer, 2009, 50, 2048-2057.	1.8	18
92	Polyesters analogous to PET and PBT based on Oâ€benzyl ethers of xylitol and <scp>L</scp>â€arabinitol. Journal of Polymer Science Part A, 2008, 46, 5167-5179.	2.5	18
93	Linear polyurethanes made from threitol: Acetalized and hydroxylated polymers. Journal of Polymer Science Part A, 2008, 46, 7996-8012.	2.5	26
94	Rheological Features and Flowâ€Induced Crystallization of Branched Poly[ethyleneâ€coâ€(1,4â€cyclohexanedimethylene terephthalate)] Copolyesters. Macromolecular Materials and Engineering, 2008, 293, 836-846.	1.7	9
95	Synthesis, Degradability, and Drug Releasing Properties of Methyl Esters of Fungal Poly(Î²,<scp>L</scp>â€malic acid). Macromolecular Bioscience, 2008, 8, 540-550.	2.1	31
96	Biodegradable Nanoparticles of Partially Methylated Fungal Poly(Î²â€<scp>L</scp>â€malic acid) as a Novel Protein Delivery Carrier. Macromolecular Bioscience, 2008, 8, 551-559.	2.1	25
97	Poly(hexamethylene terephthalate-co-caprolactone) Copolyesters Obtained by Ring-Opening Polymerization. Macromolecules, 2008, 41, 4136-4146.	2.2	36
98	Spectroscopic Evidence for Stereocomplex Formation by Enantiomeric Polyamides Derived from Tartaric Acid. Macromolecules, 2008, 41, 3734-3738.	2.2	17
99	Ionic Complexes of Biotechnological Polyacids with Cationic Surfactants. Macromolecular Symposia, 2008, 273, 85-94.	0.4	2
100	Ionic Complexes of Biosynthetic Poly(malic acid) and Poly(glutamic acid) as Prospective Drug-Delivery Systems. Macromolecular Bioscience, 2007, 7, 897-906.	2.1	15
101	Styrene/(substituted styrene) copolymerization by Ph2Znâ€“metalloceneâ€“MAO systems: Synthesis and characterization of poly(styrene-co-p-hydroxystyrene) copolymers. Polymer, 2007, 48, 4646-4652.	1.8	6
102	Linear polyurethanes derived from alditols and diisocyanates. Journal of Polymer Science Part A, 2007, 45, 4109-4117.	2.5	31
103	Crystallization and crystal structure of poly(ester amide)s derived fromL-tartaric acid. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 116-125.	2.4	4
104	Thermal decomposition of microbial poly(Î³-glutamic acid) and poly(Î³-glutamate)s. Polymer Degradation and Stability, 2007, 92, 1916-1924.	2.7	29
105	Nanostructurated Complexes of Poly(Î²,l-malate) and Cationic Surfactants:Â Synthesis, Characterization and Structural Aspects. Biomacromolecules, 2006, 7, 161-170.	2.6	17
106	Poly(butylene terephthalate) Copolyesters Derived froml-Arabinitol and Xylitol. Macromolecules, 2006, 39, 1410-1416.	2.2	32
107	Thermal Decomposition of Fungal Poly(Î²,l-malic acid) and Poly(Î²,l-malate)s. Biomacromolecules, 2006, 7, 3283-3290.	2.6	27
108	Comblike Complexes of Poly(aspartic acid) and Alkyltrimethylamonium Cationic Surfactants. Macromolecular Symposia, 2006, 245-246, 266-275.	0.4	3

#	Article	IF	Citations
109	Styreneâ€“substituted-styrene copolymerization using diphenylzincâ€“metalloceneâ€“methylaluminoxane systems. Polymer International, 2006, 55, 910-915.	1.6	10
110	Enzymatic and microbial biodegradability of poly(ethylene terephthalate) copolymers containing nitrated units. Polymer Degradation and Stability, 2006, 91, 663-671.	2.7	31
111	Hydrolytic degradation of carbohydrate-based aromatic homo- and co-polyesters analogous to PET and PEI. Polymer Degradation and Stability, 2006, 91, 2654-2659.	2.7	15
112	Molecular dynamics of poly(butylene tert-butyl isophthalate) and its copolymers with poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	6
113	High molecular weight methyl ester of microbial poly(Î²,l-malic acid): Synthesis and crystallization. Polymer, 2006, 47, 6501-6508.	1.8	16
114	Mechanical relaxations of poly(Î²,L-aspartate)s. Journal of Applied Polymer Science, 2006, 99, 994-1003.	1.3	0
115	Polycondensation ofL-Lysine Diketopiperazine with Tartaric Acid - Evidence on the Formation of Cyclic Oligomers. Macromolecular Chemistry and Physics, 2006, 207, 615-620.	1.1	8
116	Stereocomplex Formation from Enantiomeric Polyamides Derived from Tartaric Acid. Macromolecular Rapid Communications, 2006, 27, 1955-1961.	2.0	17
117	Homo- and copolymerization of styrene and 1-alkene using Ph2Znâ€“Et(Ind)2ZrCl2â€“MAO initiator systems. European Polymer Journal, 2005, 41, 1013-1019.	2.6	17
118	Poly(ethylene terephthalate) copolymers containing 1,4-cyclohexane dicarboxylate units. European Polymer Journal, 2005, 41, 1493-1501.	2.6	34
119	Comb-Like Ionic Complexes of Cationic Surfactants with Bacterial Poly(Î³ -glutamic acid) of Racemic Composition. Macromolecular Bioscience, 2005, 5, 30-38.	2.1	26
120	Low-Molecular-Weight Poly(Î±-methylÎ²,L-malate) of Microbial Origin: Synthesis and Crystallization. Macromolecular Bioscience, 2005, 5, 172-176.	2.1	8
121	Acylated and hydroxylated polyamides derived from l-tartaric acid. Polymer, 2005, 46, 2854-2861.	1.8	19
122	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	9
123	Aromatic polyesters from naturally occurring monosaccharides: Poly(ethylene terephthalate) and poly(ethylene isophthalate) analogs derived from D-mannitol and galactitol. Journal of Polymer Science Part A, 2005, 43, 4570-4577.	2.5	21
124	Aromatic homo- and copolyesters from naturally occurring monosaccharides: PET and PEI analogs derived fromL-arabinitol and xylitol. Journal of Polymer Science Part A, 2005, 43, 6394-6410.	2.5	25
125	Carbohydrate-Based Polycarbonates. Synthesis, Structure, and Biodegradation Studies. Macromolecules, 2005, 38, 8664-8670.	2.2	46
126	Microstructure and Crystallization of Rigid-Coil Comblike Polymers and Block Copolymers. , 2005, , .		0

#	Article	IF	Citations
127	Poly(ethylene isophthalate)s: effect of the tert-butyl substituent on structure and properties. Polymer, 2004, 45, 5005-5012.	1.8	9
128	Linear polyamides fromL-malic acid and alkanediamines. Journal of Polymer Science Part A, 2004, 42, 1566-1575.	2.5	12
129	Synthesis and characterization of polyamides obtained from tartaric acid and l-lysine. European Polymer Journal, 2004, 40, 2699-2708.	2.6	19
130	Biodegradability of aromatic building blocks for poly(ethylene terephthalate) copolyesters. Polymer Degradation and Stability, 2004, 85, 865-871.	2.7	17
131	Poly(ester amide)s Derived froml-Malic Acid. Macromolecules, 2004, 37, 2067-2075.	2.2	16
132	Comblike Complexes of Bacterial Poly(Î³,d-glutamic acid) and Cationic Surfactants. Biomacromolecules, 2004, 5, 144-152.	2.6	33
133	Synthesis and Characterization of Linear Polyamides Derived froml-Arabinitol and Xylitol. Macromolecules, 2004, 37, 5550-5556.	2.2	38
134	Preparation and hydrolytic degradation of sulfonated poly(ethylene terephthalate) copolymers. Polymer, 2003, 44, 7281-7289.	1.8	26
135	Copoly(Î³,dl-glutamate)s containing short and long linear alkyl side chains. Polymer, 2003, 44, 7557-7564.	1.8	13
136	Thermally induced phase transition in helical comblike poly(Î²-peptide)s: An atomistic simulation. Journal of Computational Chemistry, 2003, 24, 770-778.	1.5	2
137	On the Lamellar Crystal Structure of Nylons 6,8 and 8,10: A Study Combining Electron Microscopy and Energy Analysis. Macromolecular Chemistry and Physics, 2003, 204, 83-88.	1.1	4
138	Microstructure and crystallization of melt-mixed poly(ethylene terephthalate)/poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	1.3	10
139	Hydrolytic degradation of poly(ethylene terephthalate) copolymers containing nitrated units. Polymer Degradation and Stability, 2003, 79, 353-358.	2.7	13
140	Solubility of N2in poly(Îµ-n-hexyl-Î²,L-aspartate): Temperature and force-field dependence. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2928-2936.	2.4	2
141	Modification of the thermal properties and crystallization behaviour of poly(ethylene terephthalate) by copolymerization. Polymer International, 2003, 52, 321-336.	1.6	46
142	Poly(ethylene terephthalate) terpolyesters containing isophthalic and 5-tert-butylisophthalic units. Journal of Polymer Science Part A, 2003, 41, 124-134.	2.5	6
143	Synthesis, characterization, and properties of poly(ethylene terephthalate)/poly(1,4-butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.8	80
144	Comblike Alkyl Esters of Biosynthetic Poly(Î³-glutamic acid). 2. Supramolecular Structure and Thermal Transitions. Macromolecules, 2003, 36, 7567-7576.	2.2	29

#	Article	IF	Citations
145	Comblike Poly(Î±-alkyl Î³-glutamate)s:Â Computer Simulation Studies of an Intermediate Thermal Phase. Biomacromolecules, 2003, 4, 87-95.	2.6	9
146	Aplicaciones de los mÃ©todos computacionales al estudio de la estructura y propiedades de polÃmeros. Polimeros, 2003, 13, 250-264.	0.2	3
147	Sequence Analysis of Poly(ethylene terephthalate) Terpolyesters Containing Isophthalic andtert-Butylisophthalic Units by13C NMR. Macromolecules, 2002, 35, 314-317.	2.2	11
148	Permeation Properties of the Stereoregular Nylon-3 Analogue, Poly(Î±-hexyl Î²-l-aspartate). Macromolecules, 2002, 35, 4521-4530.	2.2	13
149	Poly(Î±-alkyl Î³-glutamate)s of Microbial Origin. 2. On the Microstructure and Crystal Structure of Poly(Î±-ethyl Î³-glutamate)s. Biomacromolecules, 2002, 3, 1078-1086.	2.6	10
150	On the Crystal Structure of Poly(Î±-benzyl Î³,dl-glutamate) of Microbial Origin. Macromolecules, 2002, 35, 8774-8780.	2.2	18
151	Synthesis of Poly(-alkyl ,L-aspartate)s by Transesterification. Macromolecular Rapid Communications, 2002, 23, 849-852.	2.0	0
152	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.	1.3	6
153	Poly(ethylene terephthalate) copolymers containing 5-nitroisophthalic units. III. Methanolytic degradation. Journal of Polymer Science Part A, 2002, 40, 76-87.	2.5	6
154	Poly(ethylene terephthalate) copolymers containing nitroterephthalic units. III. Methanolytic degradation. Journal of Polymer Science Part A, 2002, 40, 2276-2285.	2.5	11
155	Crystalline poly(4-methyl-1-pentene): Structure and solubility of gas molecules. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 2037-2049.	2.4	5
156	Poly(ethylene terephthalate) copolymers containing nitroterephthalic units. II. Crystallization and conformational studies. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 2759-2771.	2.4	4
157	Crystallization and properties of poly(ethylene terephthalate) copolymers containing 5-tert-butyl isophthalic units. Polymer, 2002, 43, 7529-7537.	1.8	13
158	Comblike Alkyl Esters of Biosynthetic Poly(Î³-glutamic acid). 1. Synthesis and Characterization. Macromolecules, 2001, 34, 7868-7875.	2.2	37
159	Synthesis and Structural Studies of 2,3-Disubstituted Poly(Î²-peptide)s. Macromolecules, 2001, 34, 5042-5047.	2.2	8
160	Poly(Î±-alkyl Î³-glutamate)s of microbial origin: I. Ester derivatization of poly(Î³-glutamic acid) and thermal degradation. Polymer, 2001, 42, 9319-9327.	1.8	19
161	Poly(ethylene terephthalate) copolymers containing 5-tert-butyl isophthalic units. Journal of Polymer Science Part A, 2001, 39, 1994-2004.	2.5	25
162	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

#	Article	IF	Citations
163	Poly(ethylene terephthalate) copolymers containing 5-nitroisophthalic units. II. Crystallization studies. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 1553-1564.	2.4	11
164	Water-soluble esters of biosynthetic poly(Î³-glutamic acid). Journal of Applied Polymer Science, 2001, 82, 2027-2036.	1.3	9
165	Alternating Copoly(ester amide)s derived from Amino Alcohols andL-Tartaric and Succinic Acids. Macromolecular Chemistry and Physics, 2001, 202, 236-244.	1.1	24
166	On the Phase B of Comb-Like Poly(Î±-alkyl-Î²-L-aspartate)s: A Simulation of the Solubility of Small Penetrants. Macromolecular Chemistry and Physics, 2001, 202, 564-573.	1.1	15
167	Synthesis, Structure and Crystal Morphology of Nylon 2/16. Macromolecular Chemistry and Physics, 2001, 202, 2606-2613.	1.1	3
168	Mark-Houwink Parameters of Biosynthetic Poly(Î³-glutamic acid) in Aqueous Solution. Macromolecular Chemistry and Physics, 2001, 202, 3253-3256.	1.1	19
169	Normal modes and their dispersion in poly(Î±-isobutyl-Î²-l-aspartate). European Polymer Journal, 2001, 37, 815-828.	2.6	3
170	Normal modes and their dispersion in poly(Î±-isobutyl, Î²-l-aspartate). European Polymer Journal, 2001, 37, 829-841.	2.6	5
171	Copolymerization of styrene by diphenylzinc-additive systems I. Copolymerization of styrene/p-tert-butylstyrene by Ph2Znâ€“metalloceneâ€“MAO systems. European Polymer Journal, 2001, 37, 1001-1006.	2.6	17
172	Structure and morphology of nylon 46 lamellar crystals: Electron microscopy and energy calculations. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 41-52.	2.4	28
173	Poly(ethylene terephthalate) copolymers containing 5-nitroisophthalic units. I. Synthesis and characterization. Journal of Polymer Science Part A, 2000, 38, 1934-1942.	2.5	18
174	A microscopic view of a helical poly(Î³-peptide): Molecular dynamics simulations of a 20-residue un-ionized poly(Î³-D-glutamic acid) in water. Macromolecular Theory and Simulations, 2000, 9, 543-549.	0.6	10
175	Poly(ester amide)s derived fromL-tartaric acid and amino alcohols. II. Aregic polymers. Journal of Polymer Science Part A, 2000, 38, 2687-2696.	2.5	14
176	Poly(ethylene terephthalate) copolymers containing nitroterephthalic units. I. Synthesis and characterization. Journal of Polymer Science Part A, 2000, 38, 3761-3770.	2.5	22
177	Optically active polyamides containing 1,3-dioxolane cycles in the backbone. Polymer, 2000, 41, 4869-4879.	1.8	16
178	Structure of the Extended Crystal Forms of Nylon-6. Macromolecules, 2000, 33, 5754-5756.	2.2	19
179	Structure of Nylon 46 Lamellar Crystals:â€‰ An Investigation Including Adjacent Chain Folding. Macromolecules, 2000, 33, 8756-8763.	2.2	13
180	Stereoregular Copolyamides Derived fromd-Xylose andl-Arabinose. Macromolecules, 2000, 33, 2030-2038.	2.2	268

#	Article	IF	Citations
181	Sequence Analysis of Poly(ethylene terephthalate-co-isophthalate) Copolymers by 13C NMR. Macromolecules, 2000, 33, 4596-4598.	2.2	30
182	Conformational analysis of the 13/4 to 4/1 helical transition in poly(Î±-isobutyl Î²-L-aspartate). Polymer, 1999, 40, 5647-5654.	1.8	1
183	Biosynthesis and ultrasonic degradation of bacterial poly(?-glutamic acid). , 1999, 63, 110-115.		68
184	A review on the potential biodegradability of poly(ethylene terephthalate). Polymer International, 1999, 48, 346-352.	1.6	138
185	Synthesis of heterotelechelic poly(ethylene glycol)s and their characterization by MALDI-TOF-MS. Macromolecular Chemistry and Physics, 1999, 200, 1363-1373.	1.1	20
186	Helical Poly(Î²-peptides):â€‰ The Helixâ^'Coil Transition of Poly(Î±-alkyl-Î²-aspartate)s in Solution. Macromolecules, 1999, 32, 3257-3263.	2.2	31
187	Poly(ester amide)s Derived from l-Tartaric Acid and Amino Alcohols. 1. Regic Polymers. Macromolecules, 1999, 32, 8015-8023.	2.2	33
188	Hydrolytic Degradation of Poly(ester amide)s Made from Tartaric and Succinic Acids:â€‰ Influence of the Chemical Structure and Microstructure on Degradation Rate. Macromolecules, 1999, 32, 8033-8040.	2.2	48
189	On the helical conformation of un-ionized poly(Î³-d-glutamic acid). International Journal of Biological Macromolecules, 1998, 23, 175-184.	3.6	55
190	Helical Nylons 3. Synthesis and Crystal Structure of Poly(Î²-l-aspartate)s with Branched Alkyl Side Chains. Macromolecules, 1998, 31, 124-134.	2.2	26
191	Conformational Analysis of (S)-4-(Cyclohexoxycarbonyl)-2-azetidinone. Journal of Physical Chemistry A, 1997, 101, 4208-4214.	1.1	7
192	Helix Sense in Poly(Î²-alkyl Î±-l-aspartate)s. Macromolecules, 1997, 30, 6662-6667.	2.2	11
193	Conformation and Crystal Structure of Poly(Î±-cycloalkyl-Î²-l-aspartate)s. Journal of Physical Chemistry A, 1997, 101, 4215-4223.	1.1	17
194	Theoretical study of the conformational and electrostatic properties of C4-monosubstituted 2-azetidinones. Structural Chemistry, 1997, 8, 39-47.	1.0	11
195	Molecular packing and conformational behaviour of poly (Î²- l -aspartate)s containing medium size linear alkyl side-chain. Polymer, 1997, 38, 3477-3484.	1.8	17
196	Degradable poly(ester amide)s based on l-tartaric acid. Polymer, 1997, 38, 4935-4944.	1.8	52
197	Ultrasonic degradation of polyaspartates and polyglutamates. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 2379-2384.	2.4	14
198	Effect of the side group on the helix-forming tendency of Î±-alkyl-Î²-L-aspartamyl residues. Biopolymers, 1997, 41, 721-729.	1.2	21

#	Article	IF	Citations
199	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.	2.2	27
200	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.	2.2	28
201	Effects of Aqueous and Organic Solvents on the Conformational Properties of the Helix-Forming Î±-Methyl-Î²-l-aspartamyl Residue. Journal of Organic Chemistry, 1996, 61, 6849-6855.	1.7	24
202	On the mechanical properties of poly(ethylene terephthalate). Force-field parametrization and conformational analysis for the prediction of the crystal moduli. Journal of Polymer Science, Part B: Polymer Physics, 1996, 34, 963-973.	2.4	9
203	Analysis of the conformational preferences of (4R,5R)-4,5-bis(alkylcarbamoyl)-1,3-dioxolanes. Tetrahedron, 1996, 52, 8275-8286.	1.0	8
204	Poly(Î±-butyl Î²-L-aspartate): A second alkoxycarbonyl nylon-3 derivative in helical conformation. Macromolecular Chemistry and Physics, 1995, 196, 253-268.	1.1	26
205	Study of the Amide.cntdot..cntdot..cntdot.Ester Hydrogen Bond in Small Molecules and Its Influence on the Conformation of Polypeptides and Related Polymers. The Journal of Physical Chemistry, 1995, 99, 17653-17661.	2.9	32
206	Analysis of the Helical Conformations in Poly (.beta.-L-aspartate)s: Poly(.alpha.-n-butyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (be 4487-4494.	2.2	34
207	Structure and Thermal Properties of New Comblike Polyamides: Helical Poly(.beta.-L-aspartate)s Containing Linear Alkyl Side Chains. Macromolecules, 1995, 28, 5535-5546.	2.2	66
208	Poly(Î²-L-aspartate)s Containing Ethylene Oxide Units in the Side Chain: Synthesis and Structural Studies. Polymer Journal, 1994, 26, 694-704.	1.3	9
209	Solvent polarity effects on the anionic polymerization of 4-(S)-isobutoxycarbonyl-2-azetidinone. Die Makromolekulare Chemie Rapid Communications, 1992, 13, 173-178.	1.1	13
210	Morphology and crystalline structure of nylon-2/6. Polymer, 1987, 28, 209-212.	1.8	29
211	Synthesis and structural data of nylon 1,4. Journal of Polymer Science Part A, 1987, 25, 1445-1448.	2.5	5
212	Crystal structure of nylons 2/3/3 and 1,3. Journal of Polymer Science, Part B: Polymer Physics, 1987, 25, 513-523.	2.4	20
213	Three-Dimensional Reconstruction of Chromatin Fibers. Journal of Biomolecular Structure and Dynamics, 1983, 1, 705-714.	2.0	23