MarÃ-a Lourdes Franco GarcÃ-a

List of Publications by Year
in descending order

125	2,608	186209 28	233338 45
papers	citations	h-index	g-index
128	128	128	2307
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrospun scaffolds for wound healing applications from poly(4â€hydroxybutyrate): A biobased and biodegradable linear polymer with high elastomeric properties. Journal of Applied Polymer Science, 2022, 139, 51447.	1.3	3
2	Novel Biobased Epoxy Thermosets and Coatings from Poly(limonene carbonate) Oxide and Synthetic Hardeners. ACS Sustainable Chemistry and Engineering, 2022, 10, 2708-2719.	3.2	21
3	Biobased Terpene Derivatives: Stiff and Biocompatible Compounds to Tune Biodegradability and Properties of Poly(butylene succinate). Polymers, 2022, 14, 161.	2.0	6
4	Poly(butylene succinate) matrices obtained by thermally-induced phase separation: Pore shape and orientation affect drug release. Polymer, 2022, 252, 124916.	1.8	5
5	Ultrasound micromolding of porous polylactide/hydroxyapatite scaffolds. EXPRESS Polymer Letters, 2021, 15, 389-403.	1.1	2
6	Chloramphenicol loaded polylactide melt electrospun scaffolds for biomedical applications. International Journal of Pharmaceutics, 2021, 606, 120897.	2.6	4
7	Hydrolytic and enzymatic degradation of biobased poly(4-hydroxybutyrate) films. Selective etching of spherulites. Polymer Degradation and Stability, 2021, 183, 109451.	2.7	11
8	Efficient Oneâ€Pot Preparation of Thermoresponsive Polyurethanes with Lower Critical Solution Temperatures. ChemPlusChem, 2021, 86, 1570-1576.	1.3	2
9	Crystallization kinetics of chain extended poly(L-lactide)s having different molecular structures. Materials Chemistry and Physics, 2020, 240, 122217.	2.0	8
10	Improvement of Biodegradability and Biocompatibility of Electrospun Scaffolds of Poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.0	3
11	Effect of curcumin on thermal degradation of poly(glycolic acid) and poly(Îµ-caprolactone) blends. Thermochimica Acta, 2020, 693, 178764.	1.2	7
12	The effect of dodecylbenzenesulfonic acid molecules on poly(4,4-diphenylether-5,5-dibenzimidazole) films. Journal of Polymer Research, 2020, 27, 1.	1.2	0
13	Microstructural Changes during Degradation of Biobased Poly(4-hydroxybutyrate) Sutures. Polymers, 2020, 12, 2024.	2.0	2
14	Smart design for a flexible, functionalized and electroresponsive hybrid platform based on poly(3,4-ethylenedioxythiophene) derivatives to improve cell viability. Journal of Materials Chemistry B, 2020, 8, 8864-8877.	2.9	14
15	Biodegradable Polylactide Scaffolds with Pharmacological Activity by Means of Ultrasound Micromolding Technology. Applied Sciences (Switzerland), 2020, 10, 3106.	1.3	6
16	Biphasic polylactide/polyamide 6,10 blends: Influence of composition on polyamide structure and polyester crystallization. Polymer, 2020, 202, 122676.	1.8	11
17	Thermoresponsive Shapeâ€Memory Hydrogel Actuators Made by Phototriggered Click Chemistry. Advanced Functional Materials, 2020, 30, 2001683.	7.8	29
18	Isothermal Crystallization Kinetics of Poly(4-hydroxybutyrate) Biopolymer. Materials, 2019, 12, 2488.	1.3	10

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19	Incorporation of Chloramphenicol Loaded Hydroxyapatite Nanoparticles into Polylactide. International Journal of Molecular Sciences, 2019, 20, 5056.	1.8	11
20	Non-Isothermal Crystallization Kinetics of Poly(4-Hydroxybutyrate) Biopolymer. Molecules, 2019, 24, 2840.	1.7	14
21	Hydrogels for flexible and compressible free standing cellulose supercapacitors. European Polymer Journal, 2019, 118, 347-357.	2.6	35
22	Preparation of Medicated Polylactide Micropieces by Means of Ultrasonic Technology. Applied Sciences (Switzerland), 2019, 9, 2360.	1.3	10
23	Crystalline Structures and Structural Transitions of Copolyamides Derived from 1,4-Diaminobutane and Different Ratios of Glutaric and Azelaic Acids. Polymers, 2019, 11, 572.	2.0	5
24	Nanocomposites based on chain extended poly(<scp>l</scp>-lactic acid)/carboxylated carbon nanotubes: Crystallization kinetics and lamellar morphology. Journal of Composite Materials, 2019, 53, 2131-2147.	1.2	9
25	Tunable Drug Loading and Reinforcement of Polycaprolactone Films by Means of Electrospun Nanofibers of Glycolide Segmented Copolymers. Macromolecular Materials and Engineering, 2018, 303, 1700401.	1.7	3
26	Tuning the Kinetic Stability of the Amorphous Phase of the Chloramphenicol Antibiotic. Molecular Pharmaceutics, 2018, 15, 5615-5624.	2.3	10
27	Scaffolds with Tunable Properties Constituted by Electrospun Nanofibers of Polyglycolide and Poly(Îµâ€caprolactone). Macromolecular Materials and Engineering, 2018, 303, 1800100.	1.7	9
28	Isomeric cationic ionenes as n-dopant agents of poly(3,4-ethylenedioxythiophene) for <i>in situ</i> gelation. Soft Matter, 2018, 14, 6374-6385.	1.2	8
29	Thermally Induced Structural Transitions of Nylon 4 9 as a New Example of Evenâ€“Odd Polyamides. Polymers, 2018, 10, 198.	2.0	7
30	Incorporation of chloramphenicol and captopril into poly(GL)â€‹<i>b</i>â€‹poly(GLâ€‹<i>co</i>â€‹TMCâ€‹<i>co</i>â€‹CL)â€‹<i>b</i>â€‹poly(GL) monofilar surgical sutures. Journal of Applied Polymer Science, 2017, 134, .	1.3	0
31	Biodegradable nanofibrous scaffolds as smart delivery vehicles for amino acids. Journal of Applied Polymer Science, 2017, 134, .	1.3	4
32	Thermal degradation of random copolyesters based on 1,4-butanediol, terepthalic acid and different aliphatic dicarboxylic acids. Thermochimica Acta, 2017, 654, 101-111.	1.2	4
33	Preparation of random poly(butylene alkylate-co-terephthalate)s with different methylene group contents: crystallization and degradation kinetics. Journal of Polymer Research, 2017, 24, 1.	1.2	1
34	Biodegradability and biocompatibility of copoly(butylene sebacate-co-terephthalate)s. Polymer Degradation and Stability, 2017, 135, 18-30.	2.7	21
35	Incorporation of biguanide compounds into poly(GL)-b-poly(GL-co-TMC-co-CL)-b-poly(GL) monofilament surgical sutures. Materials Science and Engineering C, 2017, 71, 629-640.	3.8	10
36	Preparation of Nanocomposites of Poly(Îµ-caprolactone) and Multi-Walled Carbon Nanotubes by Ultrasound Micro-Molding. Influence of Nanotubes on Melting and Crystallization. Polymers, 2017, 9, 322.	2.0	19

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37	Poly(Îµ-caprolactone) films reinforced with chlorhexidine loaded electrospun polylactide microfibers. EXPRESS Polymer Letters, 2017, 11, 674-689.	1.1	13
38	Effect of Hydroxyapatite Nanoparticles on the Degradability of Random Poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (ter 2016, 8, 253.	2.0	11
39	Study of Non-Isothermal Crystallization of Polydioxanone and Analysis of Morphological Changes Occurring during Heating and Cooling Processes. Polymers, 2016, 8, 351.	2.0	18
40	Temperatureâ€induced structural changes in evenâ€odd nylons with long polymethylene segments. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2494-2506.	2.4	10
41	Study on the crystallization of poly(alkylene dicarboxylate)s derived from 1,9-nonanediol and mixtures with different ratios of azelaic acid and pimelic acid units. Journal of Polymer Research, 2016, 23, 1.	1.2	5
42	Smart systems related to polypeptide sequences. AIMS Materials Science, 2016, 3, 289-323.	0.7	6
43	Electrospun biodegradable polymers loaded with bactericide agents. AIMS Molecular Science, 2016, 3, 52-87.	0.3	32
44	Influence of pH on Morphology and Structure during Hydrolytic Degradation of the Segmented GL-b-[GL-co-TMC-co-CL]-b-GL Copolymer. Fibers, 2015, 3, 348-372.	1.8	8
45	Study on the crystallization of multiarm stars with a poly(ethyleneimine) core and poly(Îµ-caprolactone) arms of different length. Thermochimica Acta, 2015, 607, 39-52.	1.2	7
46	Reversible changes induced by temperature in the spherulitic birefringence of nylon 6 9. Polymer, 2015, 76, 34-45.	1.8	14
47	Spherulitic morphologies of the triblock Poly(GL)-b-poly(GL-co-TMC-co-CL)-b-poly(GL) copolymer: Isothermal and non-isothermal crystallization studies. European Polymer Journal, 2015, 73, 222-236.	2.6	4
48	Micro-molding with ultrasonic vibration energy: New method to disperse nanoclays in polymer matrices. Ultrasonics Sonochemistry, 2014, 21, 1557-1569.	3.8	54
49	Study on the crystallization of poly(butylene azelate-co-butylene succinate) copolymers. Thermochimica Acta, 2014, 575, 45-54.	1.2	41
50	Poly(butylene azelate-co-butylene succinate) copolymers: Crystalline morphologies and degradation. Polymer Degradation and Stability, 2014, 99, 80-91.	2.7	28
51	Preparation of micro-molded exfoliated clay nanocomposites by means of ultrasonic technology. Journal of Polymer Research, 2014, 21, 1.	1.2	14
52	Thermoplastic Polyurethane:Polythiophene Nanomembranes for Biomedical and Biotechnological Applications. ACS Applied Materials & Interfaces, 2014, 6, 9719-9732.	4.0	45
53	Isothermal and non-isothermal crystallization kinetics of a polyglycolide copolymer having a tricomponent middle soft segment. Thermochimica Acta, 2014, 585, 71-80.	1.2	14
54	Anhydric maleic functionalization and polyethylene glycol grafting of lactide-co-trimethylene carbonate copolymers. Materials Science and Engineering C, 2014, 42, 517-528.	3.8	2

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55	Synthesis and characterization of poly(ester amides)s with a variable ratio of branched odd diamide units. Journal of Applied Polymer Science, 2014, 131, .	1.3	7
56	Structural transitions of nylon 47 and clay influence on its crystallization behavior. European Polymer Journal, 2013, 49, 1354-1364.	2.6	13
57	Bioactive nanomembranes of semiconductor polythiophene and thermoplastic polyurethane: thermal, nanostructural and nanomechanical properties. Polymer Chemistry, 2013, 4, 568-583.	1.9	29
58	Study on the hydrolytic degradation of glycolide/trimethylene carbonate copolymers having different microstructure and composition. Polymer Degradation and Stability, 2013, 98, 133-143.	2.7	11
59	Study on the hydrolytic degradation of the segmented GL-b-[GL-co-TMC-co-CL]-b-GL copolymer with application as monofilar surgical suture. Polymer Degradation and Stability, 2013, 98, 2709-2721.	2.7	7
60	Nanospheres and nanocapsules of amphiphilic copolymers constituted by methoxypolyethylene glycol cyanoacrylate and hexadecyl cyanoacrylate units. EXPRESS Polymer Letters, 2013, 7, 2-20.	1.1	13
61	Influence of microstructure on the crystallization of segmented copolymers constituted by glycolide and trimethylene carbonate units. EXPRESS Polymer Letters, 2013, 7, 186-198.	1.1	5
62	New Sulfonated Polystyrene and Styreneâ€“Ethylene/Butyleneâ€“Styrene Block Copolymers for Applications in Electrodialysis. Journal of Physical Chemistry B, 2012, 116, 11767-11779.	1.2	63
63	Biodegradable free-standing nanomembranes of conducting polymer:polyester blends as bioactive platforms for tissue engineering. Journal of Materials Chemistry, 2012, 22, 585-594.	6.7	42
64	Thermal degradation studies of poly(trimethylene carbonate) blends with either polylactide or polycaprolactone. Thermochimica Acta, 2012, 550, 65-75.	1.2	39
65	Copolymerization of potassium chloroacetate and potassium <i>N</i>â€chloroacetylâ€6â€aminohexanoate. Journal of Applied Polymer Science, 2012, 126, 1425-1436.	1.3	3
66	Synthesis of glycolide/trimethylene carbonate copolymers: Influence of microstructure on properties. European Polymer Journal, 2012, 48, 60-73.	2.6	19
67	Thermal degradation studies on homopolymers and copolymers based on trimethylene carbonate and glycolide units. Thermochimica Acta, 2012, 528, 23-31.	1.2	12
68	Electrospinning of polylactide and polycaprolactone mixtures for preparation of materials with tunable drug release properties. Journal of Polymer Research, 2011, 18, 1903-1917.	1.2	66
69	Crystallization studies on a clay nanocomposite prepared from a degradable poly(ester amide) constituted by glycolic acid and 6â€aminohexanoic acid. Polymer Engineering and Science, 2011, 51, 1650-1661.	1.5	5
70	Nonisothermal crystallization behavior of a biodegradable segmented copolymer constituted by glycolide and trimethylene carbonate units. Journal of Applied Polymer Science, 2011, 119, 1548-1559.	1.3	5
71	Preparation and release study of ibuprofenâ€loaded porous matrices of a biodegradable poly(ester) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	24
72	Thermal stability studies on clay nanocomposites prepared from a degradable poly(ester amide) constituted by glycolic acid and 6-aminohexanoic acid. Thermochimica Acta, 2011, 512, 142-149.	1.2	8

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73	Poly(ester amide) nanocomposites by in situ polymerization: Kinetic studies on polycondensation and crystallization. EXPRESS Polymer Letters, 2011, 5, 717-731.	1.1	3
74	Degradable Poly(ester amide)s for Biomedical Applications. Polymers, 2011, 3, 65-99.	2.0	176
75	Influence of degradation on the crystallization behaviour of a biodegradable segmented copolymer constituted by glycolide and trimethylene carbonate units. Polymer Degradation and Stability, 2010, 95, 2376-2387.	2.7	6
76	Isothermal crystallization study on a biodegradable segmented copolymer constituted by glycolide and trimethylene carbonate units. Journal of Applied Polymer Science, 2010, 116, 577-589.	1.3	9
77	Brill transition and melt crystallization of nylon 56: An oddâ€“even polyamide with two hydrogen-bonding directions. Polymer, 2010, 51, 5788-5798.	1.8	83
78	Study on the brill transition and melt crystallization of nylon 65: A polymer able to adopt a structure with two hydrogen-bonding directions. European Polymer Journal, 2010, 46, 2063-2077.	2.6	15
79	Crystallization behavior of clay nanocomposites prepared from a degradable alternating copolyester constituted by glycolic acid and 6â€hydroxyhexanoic acid. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 33-46.	2.4	2
80	Incorporation of triclosan into polydioxanone monofilaments and evaluation of the corresponding release. Journal of Applied Polymer Science, 2009, 114, 3440-3451.	1.3	11
81	Poly(ester amide)/clay nanocomposites prepared by <i>in situ</i> polymerization of the sodium salt of <i>N</i>â€chloroacetylâ€6â€aminohexanoic acid. Journal of Polymer Science Part A, 2009, 47, 3616-3629.	2.5	14
82	Sequence analysis of glycolide and <i>p</i>â€dioxanone copolymers. Journal of Polymer Science Part A, 2009, 47, 6758-6770.	2.5	5
83	Degradable polyoctamethylene suberate/clay nanocomposites. Crystallization studies by DSC and simultaneous SAXS/WAXD synchrotron radiation. European Polymer Journal, 2009, 45, 398-409.	2.6	13
84	Synthesis of poly(ester amide)s with lateral groups from a bulk polycondensation reaction with formation of sodium chloride salts. Journal of Polymer Science Part A, 2008, 46, 661-667.	2.5	17
85	Nonisothermal crystallization studies on poly(4â€hydroxybutyric acidâ€<i>alt</i>â€glycolic acid). Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 121-133.	2.4	7
86	Study of clay nanocomposites of the biodegradable polyhexamethylene succinate. Application of isoconversional analysis to nonisothermal crystallization. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 2234-2248.	2.4	15
87	Polycondensation of Metal Salts of 6â€(2â€Chloroacetate)hexanoic Acid: A New Method to Synthesize Alternating Copolyesters Constituted by Glycolic Acid Units. Macromolecular Chemistry and Physics, 2008, 209, 393-403.	1.1	2
88	Microspheres of new alternating copolyesters derived from glycolic acid units for controlled drug release. Journal of Applied Polymer Science, 2008, 110, 2127-2138.	1.3	2
89	Comparative thermal degradation studies on glycolide/trimethylene carbonate and lactide/trimethylene carbonate copolymers. Journal of Applied Polymer Science, 2007, 104, 3539-3553.	1.3	12
90	The hydrolytic degradation of a segmented glycolideâ€“trimethylene carbonate copolymer (Maxonâ„¢). Polymer Degradation and Stability, 2007, 92, 975-985.	2.7	22

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91	Isothermal crystallization of poly(glycolic acid-alt-6-hydroxyhexanoic acid) studied by DSC and real time synchrotron SAXS/WAXD. Polymer, 2007, 48, 6018-6028.	1.8	10
92	Isothermal crystallization kinetics and spherulitic morphology of poly(4â€hydroxybutyric) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (	2.4	2
93	Copolymerization of glycolide and trimethylene carbonate. Journal of Polymer Science Part A, 2006, 44, 993-1013.	2.5	44
94	Synthesis of poly(glycolic acid-alt-12-aminododecanoic acid): The thermal polymerization kinetics of sodiumN-chloroacetyl-12-aminododecanoate. Journal of Polymer Science Part A, 2006, 44, 1199-1213.	2.5	4
95	Thermal stability and degradation studies of alternating poly(ester amide)s derived from glycolic acid and Ï‰-amino acids. Journal of Applied Polymer Science, 2006, 102, 5545-5558.	1.3	20
96	Poly[(4-hydroxybutyric acid)-alt-(glycolic acid)]: Synthesis by Thermal Polycondensation of Metal Salts of 4-Chlorobutyric Acid Carboxymethyl Ester. Macromolecular Chemistry and Physics, 2006, 207, 90-103.	1.1	8
97	Synthesis and Characterization of Poly(glycolic acid-alt-6-aminohexanoic acid) and Poly(glycolic) Tj ETQq1 1 0.784314 rgBT /Overlock 1(	1.1	22
98	Poly(ester amide)s derived from 1,4-butanediol, adipic acid and 6-aminohexanoic acid. Polymer Degradation and Stability, 2004, 85, 595-604.	2.7	12
99	Molecular Packing of Polyesters Derived from 1,4-Butanediol and Even Aliphatic Dicarboxylic Acids. Macromolecules, 2004, 37, 5300-5309.	2.2	39
100	Synthesis of Poly(ester amide)s Derived from Glycolic Acid and the Amino Acids:Î²-Alanine or 4-Aminobutyric Acid. Macromolecular Chemistry and Physics, 2003, 204, 2078-2089.	1.1	22
101	Crystallization kinetics of poly(hexamethylene succinate). European Polymer Journal, 2003, 39, 1575-1583.	2.6	22
102	Poly(ester amide)s derived from 1,4-butanediol, adipic acid and 6-aminohexanoic acid. Part II: composition changes and fillers. Polymer, 2003, 44, 6139-6152.	1.8	37
103	Crystallization kinetics of PGBG4: A sequential poly(ester amide) derived from glycine, 1,4-butanediol, and adipic acid. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 903-912.	2.4	5
104	Crystalline Structure of Poly(decamethylene sebacate). Repercussions on Lamellar Folding Surfaces. Macromolecules, 2002, 35, 3630-3635.	2.2	18
105	Study on the Degradability of Poly(ester amide)s Related to Nylons and Polyesters 6,10 or 12,10. Macromolecular Chemistry and Physics, 2002, 203, 48-58.	1.1	40
106	Characterization and degradation behavior of poly(butylene adipate-co-terephthalate)s. Journal of Polymer Science Part A, 2002, 40, 4141-4157.	2.5	176
107	Spherulites from polyamides with a structure characterized by three hydrogen-bond directions. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 1719-1726.	2.4	2
108	Temperature dependence of the dynamics of methylene chains in aliphatic nylons of different chain length. Physica B: Condensed Matter, 2000, 276-278, 421-422.	1.3	2

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109	Incorporation of glycine residues in evenâ€“even polyamides. Part II: Nylons 6,10 and 12,10. Polymer, 1999, 40, 2429-2438.	1.8	9
110	Crystallographic structures on the sequential copolymer of Îµ-caprolactam and pyrrolidinone (nylon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	3
111	Structure of oddâ€“even nylons derived from 2-methylpentamethylenediamine. Effect of the side methyl group. Polymer, 1999, 40, 6887-6892.	1.8	6
112	On the crystal structure of odd-even nylons: Polymorphism of nylon 5,10. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 2383-2395.	2.4	33
113	Nylon 6 9 can crystallize with hydrogen bonding in two and in three interchain directions. Journal of Polymer Science, Part B: Polymer Physics, 1998, 36, 1153-1165.	2.4	38
114	Incorporation of glycine residues in evenâ€“even nylons disrupts their characteristic all-trans conformation. Polymer, 1998, 39, 5553-5560.	1.8	5
115	Crystal Structures of Nylon 5,6. A Model with Two Hydrogen Bond Directions for Nylons Derived from Odd Diamines. Macromolecules, 1998, 31, 8540-8548.	2.2	64
116	Structure and Morphology of Odd Polyoxamides [Nylon 9,2]. A New Example of Hydrogen-Bonding Interactions in Two Different Directions. Macromolecules, 1998, 31, 3912-3924.	2.2	49
117	Polyamides with a Choice of Structure and Crystal Surface Chemistry. Studies of Chain-Folded Lamellae of Nylons 8 10 and 10 12 and Comparison with the Other 2N2(N+ 1) Nylons 4 6 and 6 8. Macromolecules, 1997, 30, 3569-3578.	2.2	93
118	Chain-folded lamellar crystals of aliphatic polyamides. Investigation of nylons 4 8, 4 10, 4 12, 6 10, 6 12, 6 18 and 8 12. Polymer, 1997, 38, 2689-2699.	1.8	118
119	Temperature-induced changes in chain-folded lamellar crystals of aliphatic polyamides. Investigation of nylons 2 6, 2 8, 2 10, and 2 12. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 675-688.	2.4	65
120	Chain-Folded Lamellar Crystals of Aliphatic Polyamides. Comparisons between Nylons 4â€‰4, 6â€‰4, 8â€‰4, 10â€‰4, and 12â€‰4. Macromolecules, 1996, 29, 6011-6018.	2.2	64
121	Synthesis and characterization of glycine copolymers of nylons 6 and 12. Journal of Polymer Science Part A, 1995, 33, 727-741.	2.5	7
122	Structural data and thermal studies on nylon-12,10. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 2065-2073.	2.4	34
123	Nylon 65 has a Unique Structure with Two Directions of Hydrogen Bonds. Macromolecules, 1995, 28, 8742-8750.	2.2	50
124	Synthesis and Structure of Nylons 1,n. Macromolecules, 1994, 27, 4284-4297.	2.2	23
125	Conformations of Nylons 1,n According to the Number of Methylene Carbons. Macromolecules, 1994, 27, 4298-4303.	2.2	17