Jordi PuiggalÃ- i Bellalta

List of Publications by Year
in descending order

322 papers	6,612 citations	76326 40 h-index	123424 61 g-index
328 all docs	328 docs citations	328 times ranked	6336 citing authors

#	Article	IF	Citations
1	Crystal Structure of the Î±-Form of Poly(l-lactide). Macromolecules, 2001, 34, 4795-4801.	4.8	191
2	Synthesis, Properties and Applications of Biodegradable Polymers Derived from Diols and Dicarboxylic Acids: From Polyesters to Poly(ester amide)s. International Journal of Molecular Sciences, 2014, 15, 7064-7123.	4.1	191
3	Characterization and degradation behavior of poly(butylene adipate-co-terephthalate)s. Journal of Polymer Science Part A, 2002, 40, 4141-4157.	2.3	176
4	Degradable Poly(ester amide)s for Biomedical Applications. Polymers, 2011, 3, 65-99.	4.5	176
5	Hydrogels for Biomedical Applications: Cellulose, Chitosan, and Protein/Peptide Derivatives. Gels, 2017, 3, 27.	4.5	155
6	Biocompatibility and drug release behavior of scaffolds prepared by coaxial electrospinning of poly(butylene succinate) and polyethylene glycol. Materials Science and Engineering C, 2015, 49, 472-484.	7.3	104
7	Comparison of nanocrystals and nanofibers produced from shrimp shell Î±-chitin: From energy production to material cytotoxicity and Pickering emulsion properties. Carbohydrate Polymers, 2018, 196, 385-397.	10.2	95
8	Nanomembranes and Nanofibers from Biodegradable Conducting Polymers. Polymers, 2013, 5, 1115-1157.	4.5	90
9	Polybiguanide (PHMB) loaded in PLA scaffolds displaying high hydrophobic, biocompatibility and antibacterial properties. Materials Science and Engineering C, 2015, 50, 74-84.	7.3	86
10	Brill transition and melt crystallization of nylon 56: An oddâ€“even polyamide with two hydrogen-bonding directions. Polymer, 2010, 51, 5788-5798.	3.8	83
11	New insights on the crystallization and melting of cyclic PCL chains on the basis ofÂa modified Thomsonâ€“Gibbs equation. Polymer, 2013, 54, 846-859.	3.8	82
12	Biodegradable and Biocompatible Systems Based on Hydroxyapatite Nanoparticles. Applied Sciences (Switzerland), 2017, 7, 60.	2.5	81
13	Electrospun Conducting and Biocompatible Uniaxial and Coreâ€“Shell Fibers Having Poly(lactic acid), Poly(ethylene glycol), and Polyaniline for Cardiac Tissue Engineering. ACS Omega, 2019, 4, 3660-3672.	3.5	74
14	Nucleation and Antinucleation Effects of Functionalized Carbon Nanotubes on Cyclic and Linear Poly(Îµ-caprolactones). Macromolecules, 2014, 47, 3553-3566.	4.8	70
15	On the Crystalline Structures of Poly(tetramethylene adipate). Macromolecules, 2003, 36, 698-705.	4.8	67
16	Electrospinning of polylactide and polycaprolactone mixtures for preparation of materials with tunable drug release properties. Journal of Polymer Research, 2011, 18, 1903-1917.	2.4	66
17	Effects of ultrasonic vibration on the micro-molding processing of polylactide. Ultrasonics Sonochemistry, 2014, 21, 376-386.	8.2	66
18	Crystal Structures of Nylon 5,6. A Model with Two Hydrogen Bond Directions for Nylons Derived from Odd Diamines. Macromolecules, 1998, 31, 8540-8548.	4.8	64

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19	New Sulfonated Polystyrene and Styreneâ€“Ethylene/Butyleneâ€“Styrene Block Copolymers for Applications in Electrodialysis. Journal of Physical Chemistry B, 2012, 116, 11767-11779.	2.6	63
20	Study on the degradability of poly(ester amide)s derived from the Î±-amino acids glycine, and ?-alanine containing a variable amide/ester ratio. Polymer, 2001, 42, 7923-7932.	3.8	58
21	Retromodified Residues: Small Peptides and Polymers. Interactions, Force-Field Parametrization and Conformational Analyses. Journal of Organic Chemistry, 1995, 60, 910-924.	3.2	54
22	Loading and Release of Ibuprofen in Multi- and Monofilament Surgical Sutures. Macromolecular Bioscience, 2006, 6, 767-775.	4.1	54
23	Micro-molding with ultrasonic vibration energy: New method to disperse nanoclays in polymer matrices. Ultrasonics Sonochemistry, 2014, 21, 1557-1569.	8.2	54
24	Triclosan Release from Coated Polyglycolide Threads. Macromolecular Bioscience, 2006, 6, 58-69.	4.1	51
25	Nylon 65 has a Unique Structure with Two Directions of Hydrogen Bonds. Macromolecules, 1995, 28, 8742-8750.	4.8	50
26	Recent Progress on Biodegradable Tissue Engineering Scaffolds Prepared by Thermally-Induced Phase Separation (TIPS). International Journal of Molecular Sciences, 2021, 22, 3504.	4.1	50
27	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.	4.8	49
28	Insulating and semiconducting polymeric free-standing nanomembranes with biomedical applications. Journal of Materials Chemistry B, 2015, 3, 5904-5932.	5.8	48
29	Studies on the degradability of a poly(ester amide) derived from l-alanine, 1,12-dodecanediol and 1,12-dodecanedioic acid. Polymer, 2000, 41, 5967-5970.	3.8	47
30	Flexible Electrodes for Supercapacitors Based on the Supramolecular Assembly of Biohydrogel and Conducting Polymer. Journal of Physical Chemistry C, 2018, 122, 1078-1090.	3.1	47
31	Thermoplastic Polyurethane:Polythiophene Nanomembranes for Biomedical and Biotechnological Applications. ACS Applied Materials & Interfaces, 2014, 6, 9719-9732.	8.0	45
32	Selfâ€Assembly of Tetraphenylalanine Peptides. Chemistry - A European Journal, 2015, 21, 16895-16905.	3.3	45
33	Comparative studies on the degradability of poly(ester amide)s derived fromL- andL,D-alanine. Journal of Applied Polymer Science, 1999, 74, 2312-2320.	2.6	44
34	Copolymerization of glycolide and trimethylene carbonate. Journal of Polymer Science Part A, 2006, 44, 993-1013.	2.3	44
35	Conformational analysis of succinamide analogs. Journal of Organic Chemistry, 1995, 60, 6135-6140.	3.2	43
36	Single crystals morphology of biodegradable double crystalline PLLA-b-PCL diblock copolymers. Polymer, 2011, 52, 5166-5177.	3.8	42

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37	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
38	Peptide Self-Assembly into Hydrogels for Biomedical Applications Related to Hydroxyapatite. Gels, 2019, 5, 14.	4.5	42
39	Nanoparticle-driven self-assembling injectable hydrogels provide a multi-factorial approach for chronic wound treatment. Acta Biomaterialia, 2021, 134, 131-143.	8.3	42
40	Crystalline structure of poly(hexamethylene succinate) and single crystal degradation studies. Polymer, 2007, 48, 5088-5097.	3.8	41
41	Polylactide nanofibers loaded with vitamin B6 and polyphenols as bioactive platform for tissue engineering. Macromolecular Research, 2013, 21, 775-787.	2.4	41
42	Study on the crystallization of poly(butylene azelate-co-butylene succinate) copolymers. Thermochimica Acta, 2014, 575, 45-54.	2.7	41
43	DNA adsorbed on hydroxyapatite surfaces. Journal of Materials Chemistry B, 2014, 2, 6953-6966.	5.8	41
44	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.	2.2	40
45	Incorporation of diacids into the polyglycine II structure: Model studies. Biopolymers, 1995, 36, 711-722.	2.4	39
46	Folding of Methylene Groups in Linear Glutaramide Analogs. Journal of the American Chemical Society, 1995, 117, 7307-7310.	13.7	39
47	New Method of Synthesis of Poly(ester amide)s Derived from the Incorporation of Glycolic Acid Residues into Aliphatic Polyamides. Macromolecular Rapid Communications, 2004, 25, 812-817.	3.9	39
48	Molecular Packing of Polyesters Derived from 1,4-Butanediol and Even Aliphatic Dicarboxylic Acids. Macromolecules, 2004, 37, 5300-5309.	4.8	39
49	Thermal degradation studies of poly(trimethylene carbonate) blends with either polylactide or polycaprolactone. Thermochimica Acta, 2012, 550, 65-75.	2.7	39
50	Mineralization of DNA into nanoparticles of hydroxyapatite. Dalton Transactions, 2014, 43, 317-327.	3.3	39
51	Nucleation, Crystallization, and Thermal Fractionation of Poly (Îµ-Caprolactone)-Grafted-Lignin: Effects of Grafted Chains Length and Lignin Content. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1736-1750.	2.1	38
52	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.	3.8	37
53	Synthesis and Characterization of a New Degradable Poly(ester amide) Derived from 6-Amino-1-hexanol and Glutaric Acid. Macromolecules, 2003, 36, 9784-9796.	4.8	35
54	Hybrid Block Copolymers Constituted by Peptides and Synthetic Polymers: An Overview of Synthetic Approaches, Supramolecular Behavior and Potential Applications. Polymers, 2013, 5, 188-224.	4.5	35

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55	Glycine residues induce a helical structure in polyamides. Polymer, 1994, 35, 1291-1297.	3.8	34
56	Structural data and thermal studies on nylon-12,10. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 2065-2073.	2.1	34
57	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.	2.1	33
58	Crystalline Structure of Poly(hexamethylene adipate). Study on the Morphology and the Enzymatic Degradation of Single Crystals. Biomacromolecules, 2006, 7, 799-808.	5.4	33
59	Melt Electrospinning of Polymers: Blends, Nanocomposites, Additives and Applications. Applied Sciences (Switzerland), 2021, 11, 1808.	2.5	33
60	Conformational Preferences of the Asparagine Residue. Gas-Phase, Aqueous Solution, and Chloroform Solution Calculations on the Model Dipeptide. Journal of Physical Chemistry B, 1997, 101, 3441-3446.	2.6	32
61	Electrospun biodegradable polymers loaded with bactericide agents. AIMS Molecular Science, 2016, 3, 52-87.	0.5	32
62	Diversity and Hierarchy in Supramolecular Assemblies of Triphenylalanine: From Laminated Helical Ribbons to Toroids. Langmuir, 2017, 33, 4036-4048.	3.5	31
63	Crystal structure of a helical oligopeptide model of polyglycine II and of other polyamides: Acetyl-(glycyl-Î²-alanyl)2-NHpropyl. Biopolymers, 1992, 32, 643-648.	2.4	30
64	Structural data on the packing of poly(ester amide)s derived from glycine, hexanediol, and odd-numbered dicarboxylic acids. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 2521-2533.	2.1	30
65	Molecular packing and crystalline morphologies of biodegradable poly(alkylene dicarboxylate)s derived from 1,6-hexanediol. Polymer, 2004, 45, 8845-8861.	3.8	30
66	Biodegradable polyesters reinforced with triclosan loaded polylactide micro/nanofibers: Properties, release and biocompatibility. EXPRESS Polymer Letters, 2012, 6, 266-282.	2.1	30
67	Distributed Immutabilization of Secure Logs. Lecture Notes in Computer Science, 2016, , 122-137.	1.3	30
68	Morphology and crystalline structure of nylon-2/6. Polymer, 1987, 28, 209-212.	3.8	29
69	Bioactive nanomembranes of semiconductor polythiophene and thermoplastic polyurethane: thermal, nanostructural and nanomechanical properties. Polymer Chemistry, 2013, 4, 568-583.	3.9	29
70	Thermoresponsive Shapeâ€Memory Hydrogel Actuators Made by Phototriggered Click Chemistry. Advanced Functional Materials, 2020, 30, 2001683.	14.9	29
71	Modeling biominerals formed by apatites and DNA. Biointerphases, 2013, 8, 10.	1.6	28
72	Poly(butylene azelate-co-butylene succinate) copolymers: Crystalline morphologies and degradation. Polymer Degradation and Stability, 2014, 99, 80-91.	5.8	28

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73	Structure of poly(hexamethylene sebacate). Polymer, 2001, 42, 5695-5699.	3.8	27
74	Microspheres from new biodegradable poly(ester amide)s with different ratios ofL- andD-alanine for controlled drug delivery. Journal of Microencapsulation, 2006, 23, 686-697.	2.8	26
75	LACDIF, a new electron diffraction technique obtained with the LACBED configuration and a Cs corrector: Comparison with electron precession. Ultramicroscopy, 2008, 108, 100-115.	1.9	26
76	Hierarchical self-assembly of di-, tri- and tetraphenylalanine peptides capped with two fluorenyl functionalities: from polymorphs to dendrites. Soft Matter, 2016, 12, 5475-5488.	2.7	26
77	Poly-Î³-glutamic Acid Hydrogels as Electrolyte for Poly(3,4-ethylenedioxythiophene)-Based Supercapacitors. Journal of Physical Chemistry C, 2017, 121, 3182-3193.	3.1	26
78	Sustainable synthesis of amino acids by catalytic fixation of molecular dinitrogen and carbon dioxide. Green Chemistry, 2018, 20, 685-693.	9.0	26
79	Packing of Sequential Poly(ester amide)s Derived from Diols, Dicarboxylic Acids, and Amino Acids. Macromolecules, 2000, 33, 9090-9097.	4.8	25
80	Synthesis, characterization and degradation studies on the series of sequential poly(ester amide)s derived from glycolic acid, 1,6-hexanediamine and aliphatic dicarboxylic acids. Polymer Degradation and Stability, 2005, 89, 21-32.	5.8	24
81	Preparation and release study of ibuprofenâ€loaded porous matrices of a biodegradable poly(ester) Tj ETQq1 1 0.784314 rgBT /Overlo	2.6	24
82	Synergistic Approach to Elucidate the Incorporation of Magnesium Ions into Hydroxyapatite. Chemistry - A European Journal, 2015, 21, 2537-2546.	3.3	24
83	Crystal polymorphism of polylactides and poly(Pro- alt -CO): The metastable beta and gamma phases. Formation of homochiral PLLA phases in the PLLA/PDLA blends. Polymer, 2017, 115, 204-210.	3.8	24
84	Synthesis and Structure of Nylons 1,n. Macromolecules, 1994, 27, 4284-4297.	4.8	23
85	Conducting poly(3,4-ethylenedioxythiophene)-montmorillonite exfoliated nanocomposites. European Polymer Journal, 2010, 46, 977-983.	5.4	23
86	Electrospun nanofibers of a degradable poly(ester amide). Scaffolds loaded with antimicrobial agents. Journal of Polymer Research, 2012, 19, 1.	2.4	23
87	2015 NeuchÃ¢telâ€™s Cast-as-Intended Verification Mechanism. Lecture Notes in Computer Science, 2015, , 3-18.	1.3	23
88	New poly(ester urea) derived from l-leucine: Electrospun scaffolds loaded with antibacterial drugs and enzymes. Materials Science and Engineering C, 2015, 46, 450-462.	7.3	23
89	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.	2.2	22
90	Crystallization kinetics of poly(hexamethylene succinate). European Polymer Journal, 2003, 39, 1575-1583.	5.4	22

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91	Synthesis and Characterization of Poly(glycolic acid-alt-6-aminohexanoic acid) and Poly(glycolic) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.2	22
92	Kinetic studies on the thermal polymerization ofN-chloroacetyl-11-aminoundecanoate potassium salt. Journal of Polymer Science Part A, 2005, 43, 1166-1176.	2.3	22
93	The hydrolytic degradation of a segmented glycolideâ€“trimethylene carbonate copolymer (Maxonâ„¢). Polymer Degradation and Stability, 2007, 92, 975-985.	5.8	22
94	Loading of Antibiotic into Biocoated Hydroxyapatite Nanoparticles: Smart Antitumor Platforms with Regulated Release. ACS Biomaterials Science and Engineering, 2018, 4, 3234-3245.	5.2	22
95	Library of Cationic Polymers Composed of Polyamines and Arginine as Gene Transfection Agents. ACS Omega, 2019, 4, 2090-2101.	3.5	22
96	On the Crystal Structure of Nylon 55. Macromolecules, 1996, 29, 5406-5415.	4.8	21
97	Comparison between Diketones and Diamides:Â Effects of Carbonyl Groups on the Conformational Preferences of Small Aliphatic Segments. The Journal of Physical Chemistry, 1996, 100, 16131-16136.	2.9	21
98	Single crystal morphology and structural data of a series of polyesters derived from 1,8-octanediol. European Polymer Journal, 2008, 44, 2295-2307.	5.4	21
99	Biodegradability and biocompatibility of copoly(butylene sebacate-co-terephthalate)s. Polymer Degradation and Stability, 2017, 135, 18-30.	5.8	21
100	Hydroxyapatite with Permanent Electrical Polarization: Preparation, Characterization, and Response against Inorganic Adsorbates. ChemPhysChem, 2018, 19, 1746-1755.	2.1	21
101	Novel Biobased Epoxy Thermosets and Coatings from Poly(limonene carbonate) Oxide and Synthetic Hardeners. ACS Sustainable Chemistry and Engineering, 2022, 10, 2708-2719.	6.7	21
102	Crystal structure of nylons 2/3/3 and 1,3. Journal of Polymer Science, Part B: Polymer Physics, 1987, 25, 513-523.	2.1	20
103	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.	2.6	20
104	Morphology and structure of poly(p-dioxanone). European Polymer Journal, 2007, 43, 4662-4674.	5.4	20
105	Amino acid-based poly(ester amide) nanofibers for tailored enzymatic degradation prepared by miniemulsion-electrospinning. RSC Advances, 2015, 5, 55006-55014.	3.6	20
106	Microfibres of conducting polythiophene and biodegradable poly(ester urea) for scaffolds. Polymer Chemistry, 2015, 6, 925-937.	3.9	20
107	Synthesis and structural study of a new biodegradable copolymer of nylon-11 and l-alanine. Polymer, 1996, 37, 4175-4181.	3.8	19
108	Crystallization kinetics of poly(glycolic acid-alt-6-aminohexanoic acid). European Polymer Journal, 2006, 42, 1595-1608.	5.4	19

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109	Synthesis of glycolide/trimethylene carbonate copolymers: Influence of microstructure on properties. European Polymer Journal, 2012, 48, 60-73.	5.4	19
110	Scaffolds with tuneable hydrophilicity from electrospun microfibers of polylactide and poly(ethylene glycol) mixtures: morphology, drug release behavior, and biocompatibility. Journal of Polymer Research, 2014, 21, 1.	2.4	19
111	Hybrid nanofibers from biodegradable polylactide and polythiophene for scaffolds. RSC Advances, 2014, 4, 15245.	3.6	19
112	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.	4.5	19
113	Antimicrobial Activity of Poly(ester urea) Electrospun Fibers Loaded with Bacteriophages. Fibers, 2018, 6, 33.	4.0	19
114	Crystalline Structure of Poly(decamethylene sebacate). Repercussions on Lamellar Folding Surfaces. Macromolecules, 2002, 35, 3630-3635.	4.8	18
115	Study of Non-Isothermal Crystallization of Polydioxanone and Analysis of Morphological Changes Occurring during Heating and Cooling Processes. Polymers, 2016, 8, 351.	4.5	18
116	Electrically Polarized Hydroxyapatite: Influence of the Polarization Process on the Microstructure and Properties. Langmuir, 2019, 35, 14782-14790.	3.5	18
117	Biomimetic Hybrid Systems for Tissue Engineering. Biomimetics, 2020, 5, 49.	3.3	18
118	Controlled Anisotropic Growth of Hydroxyapatite by Additive-Free Hydrothermal Synthesis. Crystal Growth and Design, 2021, 21, 748-756.	3.0	18
119	Crystals of polyglycine in the Î² form. Journal of Molecular Biology, 1983, 167, 223-225.	4.2	17
120	Conformations of Nylons 1,n According to the Number of Methylene Carbons. Macromolecules, 1994, 27, 4298-4303.	4.8	17
121	Effect of the Folding of Methylene Units in the Conformational Preferences of Small Diesters. Journal of Organic Chemistry, 1997, 62, 3076-3080.	3.2	17
122	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.	2.3	17
123	Simple and efficient hash-based verifiable mixing for remote electronic voting. Computer Communications, 2010, 33, 667-675.	5.1	17
124	Effect of Solvent Choice on the Selfâ€Assembly Properties of a Diphenylalanine Amphiphile Stabilized by an Ion Pair. ChemPhysChem, 2017, 18, 1888-1896.	2.1	17
125	Preferences of the Oxalamide and Hydrazide Moieties in Vacuum and Aqueous Solution. A Comparison with the Amide Functionality. Journal of Organic Chemistry, 1999, 64, 351-358.	3.2	16
126	On the Crystalline Structure of Even Polyoxalamides. Macromolecules, 2002, 35, 8781-8787.	4.8	16

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127	Electrospun fibrous mats from a l-phenylalanine based poly(ester amide): Drug delivery and accelerated degradation by loading enzymes. Polymer Degradation and Stability, 2015, 119, 275-287.	5.8	16
128	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.	2.1	15
129	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.	5.4	15
130	An experimental-computer modeling study of inorganic phosphates surface adsorption on hydroxyapatite particles. Dalton Transactions, 2015, 44, 9980-9991.	3.3	15
131	Electrosprayed poly(butylene succinate) microspheres loaded with indole derivatives: A system with anticancer activity. European Polymer Journal, 2015, 71, 196-209.	5.4	15
132	Semiconducting, biodegradable and bioactive fibers for drug delivery. EXPRESS Polymer Letters, 2016, 10, 628-646.	2.1	15
133	Structural Versatility of Oxalamide-Based Compounds:Â A Computational Study on the Isomerization of the Oxalamide Group and the Structural Preferences of the Polyoxalamides. Journal of Organic Chemistry, 2001, 66, 8076-8085.	3.2	14
134	Poly(ester amide)/clay nanocomposites prepared by in situ polymerization of the sodium salt of Nâ€chloroacetylâ€âaminohexanoic acid. Journal of Polymer Science Part A, 2009, 47, 3616-3629.	2.3	14
135	Preparation of micro-molded exfoliated clay nanocomposites by means of ultrasonic technology. Journal of Polymer Research, 2014, 21, 1.	2.4	14
136	Isothermal and non-isothermal crystallization kinetics of a polyglycolide copolymer having a tricomponent middle soft segment. Thermochimica Acta, 2014, 585, 71-80.	2.7	14
137	Reversible changes induced by temperature in the spherulitic birefringence of nylon 6 9. Polymer, 2015, 76, 34-45.	3.8	14
138	Dualâ€Functionalization Device for Therapy through Dopamine Release and Monitoring. Macromolecular Bioscience, 2018, 18, e1800014.	4.1	14
139	Rigid amorphous phase and constrained polymer chains in poly(Lâ€lactide) nanocomposites with carboxylated carbon nanotubes prepared via reactive melt mixing. Polymer Composites, 2018, 39, E1280.	4.6	14
140	Non-Isothermal Crystallization Kinetics of Poly(4-Hydroxybutyrate) Biopolymer. Molecules, 2019, 24, 2840.	3.8	14
141	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.	5.8	14
142	Permanently polarized hydroxyapatite for selective electrothermal catalytic conversion of carbon dioxide into ethanol. Chemical Communications, 2021, 57, 5163-5166.	4.1	14
143	Study of 1,4-bis(propylaminomalonylamino)butane as a model compound for nylons n,3. Macromolecular Chemistry and Physics, 1995, 196, 2361-2370.	2.2	13
144	Structural Data on Regular Poly(ester amide)s Derived from Even Diols, Glycine, and Terephthalic Acid. Crystal Growth and Design, 2005, 5, 1099-1107.	3.0	13

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145	Degradable polyoctamethylene suberate/clay nanocomposites. Crystallization studies by DSC and simultaneous SAXS/WAXD synchrotron radiation. European Polymer Journal, 2009, 45, 398-409.	5.4	13
146	Structural transitions of nylon 47 and clay influence on its crystallization behavior. European Polymer Journal, 2013, 49, 1354-1364.	5.4	13
147	Nanospheres and nanocapsules of amphiphilic copolymers constituted by methoxypolyethylene glycol cyanoacrylate and hexadecyl cyanoacrylate units. EXPRESS Polymer Letters, 2013, 7, 2-20.	2.1	13
148	Self-assembly of semicrystalline PE-b-PS diblock copolymers within AAO nanoporous templates. Polymer, 2015, 70, 282-289.	3.8	13
149	Dissolving Hydroxyolite: A DNA Molecule into Its Hydroxyapatite Mold. Chemistry - A European Journal, 2016, 22, 6631-6636.	3.3	13
150	Poly(Îµ-caprolactone) films reinforced with chlorhexidine loaded electrospun polylactide microfibers. EXPRESS Polymer Letters, 2017, 11, 674-689.	2.1	13
151	Amorphous binary dispersions of chloramphenicol in enantiomeric pure and racemic poly-lactic acid: Morphology, molecular relaxations, and controlled drug release. International Journal of Pharmaceutics, 2019, 568, 118565.	5.2	13
152	Segmental relaxation and partial crystallization of chainâ€extended Poly(<scp>l</scp>â€lactic acid) reinforced with carboxylated carbon nanotube. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 222-233.	2.1	13
153	Artificial Polymers made of Î±-amino Acids - Poly(Amino Acid)s, Pseudo-Poly(Amino Acid)s, Poly(Depsipeptide)s, and Pseudo-Proteins. Current Pharmaceutical Design, 2020, 26, 566-593.	1.9	13
154	Helical and sheet structures in the nylon 4 derivatives poly (Î±-benzyl-L-glutamate) and poly-(Î±-methyl-L-glutamate). Makromolekulare Chemie Macromolecular Symposia, 1988, 20-21, 167-182.	0.6	12
155	Poly(ester amide)s derived from glycine, even-numbered diols, and dicarboxylic acids: Considerations on the packing. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 1036-1045.	2.1	12
156	Poly(ester amide)s derived from 1,4-butanediol, adipic acid and 6-aminohexanoic acid. Polymer Degradation and Stability, 2004, 85, 595-604.	5.8	12
157	Comparative thermal degradation studies on glycolide/trimethylene carbonate and lactide/trimethylene carbonate copolymers. Journal of Applied Polymer Science, 2007, 104, 3539-3553.	2.6	12
158	Thermal degradation studies on homopolymers and copolymers based on trimethylene carbonate and glycolide units. Thermochimica Acta, 2012, 528, 23-31.	2.7	12
159	Reactive melt processing of poly (L-lactide) in the presence of thermoplastic polyurethane and carboxylated carbon nanotubes. Journal of Materials Science, 2019, 54, 14961-14974.	3.7	12
160	Breaking-down the catalyst used for the electrophotosynthesis of amino acids by nitrogen and carbon fixation. Journal of Catalysis, 2020, 389, 646-656.	6.2	12
161	Development of an antimicrobial and antioxidant hydrogel/nano-electrospun wound dressing. RSC Advances, 2020, 10, 30508-30518.	3.6	12
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