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	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.	2.6	3
2	Incorporation of Functionalized Calcium Phosphate Nanoparticles in Living Cells. Journal of Cluster Science, 2022, 33, 2781-2795.	3.3	3
3	Medicated Scaffolds Prepared with Hydroxyapatite/Streptomycin Nanoparticles Encapsulated into Polylactide Microfibers. International Journal of Molecular Sciences, 2022, 23, 1282.	4.1	7
4	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
5	Drug-Biopolymer Dispersions: Morphology- and Temperature- Dependent (Anti)Plasticizer Effect of the Drug and Component-Specific Johariâ€“Goldstein Relaxations. International Journal of Molecular Sciences, 2022, 23, 2456.	4.1	8
6	Antibacterial Hydrogels Derived from Poly(Î³-glutamic acid) Nanofibers. Gels, 2022, 8, 120.	4.5	8
7	Biobased Terpene Derivatives: Stiff and Biocompatible Compounds to Tune Biodegradability and Properties of Poly(butylene succinate). Polymers, 2022, 14, 161.	4.5	6
8	Microâ€•and Nanotexturization of Liquid Silicone Rubber Surfaces by Injection Molding Using Hybrid Polymer Inlays. Macromolecular Materials and Engineering, 2022, 307, 2100741.	3.6	2
9	Poly(butylene succinate) matrices obtained by thermally-induced phase separation: Pore shape and orientation affect drug release. Polymer, 2022, 252, 124916.	3.8	5
10	Self-assembly of supramolecular chemoenzymatic poly-l-phenylalanine. Polymer Chemistry, 2021, 12, 1199-1209.	3.9	8
11	Hydroxyapatite Based Polymer Composites for Regenerative Medicine Applications. , 2021, , 785-803.		0
12	Melt Electrospinning of Polymers: Blends, Nanocomposites, Additives and Applications. Applied Sciences (Switzerland), 2021, 11, 1808.	2.5	33
13	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
14	Optimization of permanently polarized hydroxyapatite catalyst. Implications for the electrophotosynthesis of amino acids by nitrogen and carbon fixation. Journal of Catalysis, 2021, 397, 98-107.	6.2	10
15	A pHâ€Triggered Polymer Degradation or Drug Delivery System by Lightâ€Mediated Cis / Trans Isomerization of o â€Hydroxy Cinnamates. Macromolecular Rapid Communications, 2021, 42, 2100213.	3.9	7
16	Aliphatic polyamides (nylons): Interplay between hydrogen bonds and crystalline structures, polymorphic transitions and crystallization. Polymer Crystallization, 2021, 4, e10199.	0.8	9
17	Nanoparticle-driven self-assembling injectable hydrogels provide a multi-factorial approach for chronic wound treatment. Acta Biomaterialia, 2021, 134, 131-143.	8.3	42
18	Recycled Porcine Bone Powder as Filler in Thermoplastic Composite Materials Enriched with Chitosan for a Bone Scaffold Application. Polymers, 2021, 13, 2751.	4.5	3

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19	Chloramphenicol loaded polylactide melt electrospun scaffolds for biomedical applications. International Journal of Pharmaceutics, 2021, 606, 120897.	5.2	4
20	Hydrolytic and enzymatic degradation of biobased poly(4-hydroxybutyrate) films. Selective etching of spherulites. Polymer Degradation and Stability, 2021, 183, 109451.	5.8	11
21	Permanently polarized hydroxyapatite for selective electrothermal catalytic conversion of carbon dioxide into ethanol. Chemical Communications, 2021, 57, 5163-5166.	4.1	14
22	Controlled Anisotropic Growth of Hydroxyapatite by Additive-Free Hydrothermal Synthesis. Crystal Growth and Design, 2021, 21, 748-756.	3.0	18
23	Efficient Oneâ€Pot Preparation of Thermoresponsive Polyurethanes with Lower Critical Solution Temperatures. ChemPlusChem, 2021, 86, 1570-1576.	2.8	2
24	Poly(aspartic acid) Biohydrogel as the Base of a New Hybrid Conducting Material. International Journal of Molecular Sciences, 2021, 22, 13165.	4.1	3
25	Crystallization kinetics of chain extended poly(L-lactide)s having different molecular structures. Materials Chemistry and Physics, 2020, 240, 122217.	4.0	8
26	Improvement of Biodegradability and Biocompatibility of Electrospun Scaffolds of Poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	2.4	3
27	Biohydrogel from unsaturated polyesteramide: Synthesis, properties and utilization as electrolytic medium for electrochemical supercapacitors. Polymer Testing, 2020, 82, 106300.	4.8	9
28	Effect of curcumin on thermal degradation of poly(glycolic acid) and poly(Îµ-caprolactone) blends. Thermochimica Acta, 2020, 693, 178764.	2.7	7
29	Biomimetic Hybrid Systems for Tissue Engineering. Biomimetics, 2020, 5, 49.	3.3	18
30	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
31	Nanofeatures affect the thermal transitions of polymer thin films: a microcantilever-based investigation. Materials Advances, 2020, 1, 2084-2094.	5.4	4
32	Doped photo-crosslinked polyesteramide hydrogels as solid electrolytes for supercapacitors. Soft Matter, 2020, 16, 8033-8046.	2.7	10
33	Microstructural Changes during Degradation of Biobased Poly(4-hydroxybutyrate) Sutures. Polymers, 2020, 12, 2024.	4.5	2
34	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
35	Development of an antimicrobial and antioxidant hydrogel/nano-electrospun wound dressing. RSC Advances, 2020, 10, 30508-30518.	3.6	12
36	Poly(hydroxybutyrate-co-hydroxyvalerate) Porous Matrices from Thermally Induced Phase Separation. Polymers, 2020, 12, 2787.	4.5	6

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37	Heterochirality Restricts the Self-Assembly of Phenylalanine Dipeptides Capped with Highly Aromatic Groups. Journal of Physical Chemistry B, 2020, 124, 5913-5918.	2.6	11
38	Biodegradable Polylactide Scaffolds with Pharmacological Activity by Means of Ultrasound Micromolding Technology. Applied Sciences (Switzerland), 2020, 10, 3106.	2.5	6
39	Biphasic polylactide/polyamide 6,10 blends: Influence of composition on polyamide structure and polyester crystallization. Polymer, 2020, 202, 122676.	3.8	11
40	Analysis of nitrogen fixation by a catalyst capable of transforming N2, CO2 and CH4 into amino acids under mild reactions conditions. Applied Catalysis A: General, 2020, 596, 117526.	4.3	9
41	Poly(gallic acid)-coated polycaprolactone inhibits oxidative stress in epithelial cells. Materials Science and Engineering C, 2020, 115, 111154.	7.3	11
42	Hydrogels and bionanocomposites from peptide self-assembly. EXPRESS Polymer Letters, 2020, 14, 205-205.	2.1	0
43	Phase-selective conductivity enhancement and cooperativity length in PLLA/TPU nanocomposite blends with carboxylated carbon nanotubes. Polymer, 2020, 191, 122279.	3.8	8
44	Thermoresponsive Shapeâ€Memory Hydrogel Actuators Made by Phototriggered Click Chemistry. Advanced Functional Materials, 2020, 30, 2001683.	14.9	29
45	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
46	Isothermal Crystallization Kinetics of Poly(4-hydroxybutyrate) Biopolymer. Materials, 2019, 12, 2488.	2.9	10
47	Biominerals Formed by DNA and Calcium Oxalate or Hydroxyapatite: A Comparative Study. Langmuir, 2019, 35, 11912-11922.	3.5	4
48	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
49	Electrically Polarized Hydroxyapatite: Influence of the Polarization Process on the Microstructure and Properties. Langmuir, 2019, 35, 14782-14790.	3.5	18
50	Incorporation of Chloramphenicol Loaded Hydroxyapatite Nanoparticles into Polylactide. International Journal of Molecular Sciences, 2019, 20, 5056.	4.1	11
51	Non-Isothermal Crystallization Kinetics of Poly(4-Hydroxybutyrate) Biopolymer. Molecules, 2019, 24, 2840.	3.8	14
52	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
53	Library of Cationic Polymers Composed of Polyamines and Arginine as Gene Transfection Agents. ACS Omega, 2019, 4, 2090-2101.	3.5	22
54	Influence of the atmosphere conditions in the structure, properties and solubility of fluorine-substituted hydroxyapatites. Materials Chemistry and Physics, 2019, 226, 279-289.	4.0	8

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55	Scaffolds for Sustained Release of Ambroxol Hydrochloride, a Pharmacological Chaperone That Increases the Activity of Misfolded Î²â€Glucocerebrosidase. Macromolecular Bioscience, 2019, 19, 1900130.	4.1	4
56	Amyloid fibrils from organic solutions of an amphiphilic dipeptide. Chemical Communications, 2019, 55, 8556-8559.	4.1	5
57	Preparation of Medicated Polylactide Micropieces by Means of Ultrasonic Technology. Applied Sciences (Switzerland), 2019, 9, 2360.	2.5	10
58	Peptide Self-Assembly into Hydrogels for Biomedical Applications Related to Hydroxyapatite. Gels, 2019, 5, 14.	4.5	42
59	Crystalline Structures and Structural Transitions of Copolyamides Derived from 1,4-Diaminobutane and Different Ratios of Glutaric and Azelaic Acids. Polymers, 2019, 11, 572.	4.5	5
60	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
61	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
62	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.	2.4	9
63	Other Miscellaneous Materials and Their Nanocomposites. , 2019, , 353-398.		2
64	Nucleating and retarding effects of nanohydroxyapatite on the crystallization of poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 Calorimetry, 2019, 137, 421-435.	3.6	6
65	Dualâ€Functionalization Device for Therapy through Dopamine Release and Monitoring. Macromolecular Bioscience, 2018, 18, e1800014.	4.1	14
66	Hydroxyapatite with Permanent Electrical Polarization: Preparation, Characterization, and Response against Inorganic Adsorbates. ChemPhysChem, 2018, 19, 1746-1755.	2.1	21
67	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
68	Sustainable synthesis of amino acids by catalytic fixation of molecular dinitrogen and carbon dioxide. Green Chemistry, 2018, 20, 685-693.	9.0	26
69	Grafting of Hydroxyapatite for Biomedical Applications. , 2018, , 45-80.		8
70	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
71	Tunable Drug Loading and Reinforcement of Polycaprolactone Films by Means of Electrospun Nanofibers of Glycolide Segmented Copolymers. Macromolecular Materials and Engineering, 2018, 303, 1700401.	3.6	3
72	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

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73	Prototyping flexible supercapacitors produced with biohydrogel. Materials Today Communications, 2018, 16, 60-70.	1.9	11
74	Cooperative rearranging region and dynamical heterogeneity of nanocomposites in poly(l-lactide) and functionalized carbon nanotubes systems. Thermochimica Acta, 2018, 667, 35-41.	2.7	10
75	2. Close Contacts at the interface: Experimental-computational synergies for solving complexity problems. , 2018, , 53-80.		0
76	New amino acid based biodegradable poly(ester amide)s via bis-azlactone chemistry. Journal of Macromolecular Science - Pure and Applied Chemistry, 2018, 55, 677-690.	2.2	3
77	Amyloid-like Fibrils from a Diphenylalanine Capped with an Aromatic Fluorenyl. Langmuir, 2018, 34, 15551-15559.	3.5	10
78	Close contacts at the interface: Experimental-computational synergies for solving complexity problems. ChemistrySelect, 2018, 3, .	1.5	1
79	Potential of ultrasound technology for the preparation of microdevices. EXPRESS Polymer Letters, 2018, 12, 284-284.	2.1	1
80	Simulation basis for a techno-economic evaluation of chitin nanomaterials production process using Aspen PlusÂ® software. Data in Brief, 2018, 20, 1556-1560.	1.0	7
81	Bio-based aliphatic polyesters from dicarboxylic acids and related sugar and amino acid derivatives. , 2018, , 317-349.		2
82	Tuning the Kinetic Stability of the Amorphous Phase of the Chloramphenicol Antibiotic. Molecular Pharmaceutics, 2018, 15, 5615-5624.	4.6	10
83	Scaffolds with Tunable Properties Constituted by Electrospun Nanofibers of Polyglycolide and Poly(îµâ€caprolactone). Macromolecular Materials and Engineering, 2018, 303, 1800100.	3.6	9
84	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
85	Hybrid Polypeptide/Polylactide Copolymers with Short Phenylalanine Blocks. Macromolecular Chemistry and Physics, 2018, 219, 1800168.	2.2	9
86	Isomeric cationic ionenes as n-dopant agents of poly(3,4-ethylenedioxythiophene) for in situ gelation. Soft Matter, 2018, 14, 6374-6385.	2.7	8
87	Antimicrobial Activity of Poly(ester urea) Electrospun Fibers Loaded with Bacteriophages. Fibers, 2018, 6, 33.	4.0	19
88	Thermally Induced Structural Transitions of Nylon 4 9 as a New Example of Evenâ€“Odd Polyamides. Polymers, 2018, 10, 198.	4.5	7
89	Improving Opinion Analysis Through Statistical Disclosure Control in eVoting Scenarios. Lecture Notes in Computer Science, 2018, , 45-59.	1.3	0
90	Incorporation of chloramphenicol and captopril into poly(GL)â€bâ€poly(GLâ€coâ€TMCâ€coâ€CL)â€bâ€poly(GL) monofilar surgical sutures. Journal of Applied Polymer Science, 2017, 134, .	2.6	0

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91	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
92	Surface Mediated Hierarchical Assemblies of Highly Hydrophobic Phenylalanineâ€Based Peptides. ChemistrySelect, 2017, 2, 1133-1139.	1.5	7
93	Biodegradable nanofibrous scaffolds as smart delivery vehicles for amino acids. Journal of Applied Polymer Science, 2017, 134, .	2.6	4
94	Thermal degradation of random copolyesters based on 1,4-butanediol, terepthalic acid and different aliphatic dicarboxylic acids. Thermochimica Acta, 2017, 654, 101-111.	2.7	4
95	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
96	Diversity and Hierarchy in Supramolecular Assemblies of Triphenylalanine: From Laminated Helical Ribbons to Toroids. Langmuir, 2017, 33, 4036-4048.	3.5	31
97	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
98	Growth of epithelial cells on films of enzymatically synthesized poly(gallic acid) crosslinked to carboxymethylcellulose. RSC Advances, 2017, 7, 17660-17669.	3.6	9
99	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.	2.4	1
100	Verifiability Experiences in Government Online Voting Systems. Lecture Notes in Computer Science, 2017, , 248-263.	1.3	6
101	Self-assembly of diphenylalanine with preclick components as capping groups. Physical Chemistry Chemical Physics, 2017, 19, 27038-27051.	2.8	8
102	Biodegradability and biocompatibility of copoly(butylene sebacate-co-terephthalate)s. Polymer Degradation and Stability, 2017, 135, 18-30.	5.8	21
103	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.	7.3	10
104	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
105	Hydrogels for Biomedical Applications: Cellulose, Chitosan, and Protein/Peptide Derivatives. Gels, 2017, 3, 27.	4.5	155
106	Biodegradable and Biocompatible Systems Based on Hydroxyapatite Nanoparticles. Applied Sciences (Switzerland), 2017, 7, 60.	2.5	81
107	Antimicrobial Electrospun Fibers of Polyester Loaded with Engineered Cyclic Gramicidin Analogues. Fibers, 2017, 5, 34.	4.0	3
108	Bionanocomposites. , 2017, , 239-272.		5

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109	Poly(Îµ-caprolactone) films reinforced with chlorhexidine loaded electrospun polylactide microfibers. EXPRESS Polymer Letters, 2017, 11, 674-689.	2.1	13
110	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.	4.5	11
111	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
112	Multifunctional ternary drugâ€loaded electrospun scaffolds. Journal of Applied Polymer Science, 2016, 133, .	2.6	10
113	A multi-step template-assisted approach for the formation of conducting polymer nanotubes onto conducting polymer films. Polymer Chemistry, 2016, 7, 3540-3550.	3.9	9
114	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
115	Effects of hydroxyapatite (0001) Ca²⁺/Mg²⁺substitution on adsorbed<scp>d</scp>-ribose ring puckering. RSC Advances, 2016, 6, 69634-69640.	3.6	3
116	Temperatureâ€induced structural changes in evenâ€odd nylons with long polymethylene segments. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2494-2506.	2.1	10
117	Electrospray loading and release of hydrophobic gramicidin in polyester microparticles. RSC Advances, 2016, 6, 73045-73055.	3.6	6
118	Distributed Immutabilization of Secure Logs. Lecture Notes in Computer Science, 2016, , 122-137.	1.3	30
119	Synthesis of poly(ester amide)s composed of lactic acid and glycolic acid units by the bulk polycondensation of metal halide salts. Journal of Applied Polymer Science, 2016, 133, .	2.6	0
120	Dissolving Hydroxyolite: A DNA Molecule into Its Hydroxyapatite Mold. Chemistry - A European Journal, 2016, 22, 6631-6636.	3.3	13
121	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.	2.4	5
122	Semiconducting, biodegradable and bioactive fibers for drug delivery. EXPRESS Polymer Letters, 2016, 10, 628-646.	2.1	15
123	Smart systems related to polypeptide sequences. AIMS Materials Science, 2016, 3, 289-323.	1.4	6
124	Electrospun biodegradable polymers loaded with bactericide agents. AIMS Molecular Science, 2016, 3, 52-87.	0.5	32
125	Development of antimicrobial polymers by incorporation of bacteriophages. EXPRESS Polymer Letters, 2016, 10, 273-273.	2.1	0
126	Surviving Mass Extinctions through Biomineralized DNA. Chemistry - A European Journal, 2015, 21, 18892-18898.	3.3	6

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127	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
128	Selfâ€Assembly of Tetraphenylalanine Peptides. Chemistry - A European Journal, 2015, 21, 16895-16905.	3.3	45
129	Synergistic Approach to Elucidate the Incorporation of Magnesium Ions into Hydroxyapatite. Chemistry - A European Journal, 2015, 21, 2537-2546.	3.3	24
130	Electrospun Scaffolds from Low Molecular Weight Poly(ester amide)s Based on Glycolic Acid, Adipic Acid and Odd or Even Diamines. Fibers, 2015, 3, 151-172.	4.0	1
131	Dispersion of Functionalized Silica Micro- and Nanoparticles into Poly(nonamethylene Azelate) by Ultrasonic Micro-Molding. Applied Sciences (Switzerland), 2015, 5, 1252-1271.	2.5	11
132	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.	4.0	8
133	Preferential Incorporation of Azelaic Acid Units into the Crystalline Phase of the Copoly(Alkylene) Tj ETQq1 1 0.784314 rgBT /Overloc Polymers, 2015, 7, 1871-1894.	4.5	4
134	Insulating and semiconducting polymeric free-standing nanomembranes with biomedical applications. Journal of Materials Chemistry B, 2015, 3, 5904-5932.	5.8	48
135	An experimental-computer modeling study of inorganic phosphates surface adsorption on hydroxyapatite particles. Dalton Transactions, 2015, 44, 9980-9991.	3.3	15
136	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
137	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
138	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
139	Self-assembly of semicrystalline PE-b-PS diblock copolymers within AAO nanoporous templates. Polymer, 2015, 70, 282-289.	3.8	13
140	Amino acid-based poly(ester amide) nanofibers for tailored enzymatic degradation prepared by miniemulsion-electrospinning. RSC Advances, 2015, 5, 55006-55014.	3.6	20
141	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.	2.7	7
142	Document Analysis Techniques for Automatic Electoral Document Processing: A Survey. Lecture Notes in Computer Science, 2015, , 129-141.	1.3	1
143	Electrospun scaffolds of polylactide with a different enantiomeric content and loaded with anti-inflammatory and antibacterial drugs. Macromolecular Research, 2015, 23, 636-648.	2.4	11
144	Reversible changes induced by temperature in the spherulitic birefringence of nylon 6 9. Polymer, 2015, 76, 34-45.	3.8	14

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145	Electrosprayed poly(butylene succinate) microspheres loaded with indole derivatives: A system with anticancer activity. European Polymer Journal, 2015, 71, 196-209.	5.4	15
146	2015 NeuchÃ¢telâ€™s Cast-as-Intended Verification Mechanism. Lecture Notes in Computer Science, 2015, , 3-18.	1.3	23
147	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.	5.4	4
148	Microfibres of conducting polythiophene and biodegradable poly(ester urea) for scaffolds. Polymer Chemistry, 2015, 6, 925-937.	3.9	20
149	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
150	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
151	Scaffolds constituted by mixed polylactide and poly(ethylene glycol) electrospun microfibers. Journal of Polymer Research, 2014, 21, 1.	2.4	6
152	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
153	Micro-molding with ultrasonic vibration energy: New method to disperse nanoclays in polymer matrices. Ultrasonics Sonochemistry, 2014, 21, 1557-1569.	8.2	54
154	Inhibition of radical-induced oxidative DNA damage by antioxidants loaded in electrospun polylactide nanofibers. Macromolecular Research, 2014, 22, 388-396.	2.4	11
155	Study on the crystallization of poly(butylene azelate-co-butylene succinate) copolymers. Thermochimica Acta, 2014, 575, 45-54.	2.7	41
156	Poly(butylene azelate-co-butylene succinate) copolymers: Crystalline morphologies and degradation. Polymer Degradation and Stability, 2014, 99, 80-91.	5.8	28
157	DNA adsorbed on hydroxyapatite surfaces. Journal of Materials Chemistry B, 2014, 2, 6953-6966.	5.8	41
158	Preparation of micro-molded exfoliated clay nanocomposites by means of ultrasonic technology. Journal of Polymer Research, 2014, 21, 1.	2.4	14
159	Mineralization of DNA into nanoparticles of hydroxyapatite. Dalton Transactions, 2014, 43, 317-327.	3.3	39
160	Poly(Ester Amide)s. , 2014, , 145-166.		11
161	Hybrid nanofibers from biodegradable polylactide and polythiophene for scaffolds. RSC Advances, 2014, 4, 15245.	3.6	19
162	Molecular characterization of l-phenylalanine terminated poly(l-lactide) conjugates. RSC Advances, 2014, 4, 23231.	3.6	11

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163	Thermoplastic Polyurethane:Polythiophene Nanomembranes for Biomedical and Biotechnological Applications. ACS Applied Materials & Interfaces, 2014, 6, 9719-9732.	8.0	45
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