Alejandro J MÃ¼ller

List of Publications by Year
in descending order

475 papers	18,643 citations	14655 66 h-index	28297 105 g-index
490 all docs	490 docs citations	490 times ranked	11806 citing authors

#	Article	IF	Citations
1	Highly stretchable polymer semiconductor films through the nanoconfinement effect. Science, 2017, 355, 59-64.	12.6	897
2	DSC isothermal polymer crystallization kinetics measurements and the use of the Avrami equation to fit the data: Guidelines to avoid common problems. Polymer Testing, 2007, 26, 222-231.	4.8	552
3	Thermal fractionation of polymers. Progress in Polymer Science, 2005, 30, 559-603.	24.7	326
4	Successive self-nucleation/annealing (SSA): A novel technique to study molecular segregation during crystallization. Polymer Bulletin, 1997, 39, 465-472.	3.3	273
5	Confined crystallization of polymeric materials. Progress in Polymer Science, 2016, 54-55, 183-213.	24.7	257
6	Multi-scale ordering in highly stretchable polymer semiconducting films. Nature Materials, 2019, 18, 594-601.	27.5	251
7	Nucleation and Crystallization in Diblock and Triblock Copolymers. , 0, , 1-63.		249
8	Crystallization and morphology of biodegradable or biostable single and double crystalline block copolymers. Progress in Polymer Science, 2009, 34, 516-560.	24.7	227
9	Homogeneous Nucleation and Fractionated Crystallization in Block Copolymersâ€. Macromolecules, 2002, 35, 3048-3058.	4.8	211
10	Effect of annealing time on the self-nucleation behavior of semicrystalline polymers. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1738-1750.	2.1	209
11	Thermal and Morphological Characterization of Nanocomposites Prepared by in-Situ Polymerization of High-Density Polyethylene on Carbon Nanotubes. Macromolecules, 2007, 40, 6268-6276.	4.8	192
12	Organocatalysed depolymerisation of PET in a fully sustainable cycle using thermally stable protic ionic salt. Green Chemistry, 2018, 20, 1205-1212.	9.0	182
13	Confinement effects on polymer crystallization: From droplets toÂalumina nanopores. Polymer, 2013, 54, 4059-4077.	3.8	168
14	Nucleation and Crystallization in Double Crystalline Poly(p-dioxanone)-b-poly(Îµ-caprolactone) Diblock Copolymers. Macromolecules, 2003, 36, 1633-1644.	4.8	167
15	Crystallization Kinetics and Morphology of Biodegradable Double Crystalline PLLA-b-PCL Diblock Copolymers. Macromolecules, 2010, 43, 4149-4160.	4.8	163
16	Rheology, Processing, Tensile Properties, and Crystallization of Polyethylene/Carbon Nanotube Nanocomposites. Macromolecules, 2009, 42, 4719-4727.	4.8	153
17	Crystallization in Poly(l-lactide)-b-poly(Îµ-caprolactone) Double Crystalline Diblock Copolymers:Â A Study Using X-ray Scattering, Differential Scanning Calorimetry, and Polarized Optical Microscopy. Macromolecules, 2005, 38, 463-472.	4.8	152
18	Self-Nucleation Effects on Polymer Crystallization. Macromolecules, 2020, 53, 4581-4604.	4.8	144

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19	Successive Self-nucleation and Annealing (SSA): Correct design of thermal protocol and applications. European Polymer Journal, 2015, 65, 132-154.	5.4	139
20	Evaluation of the fractionated crystallization of dispersed polyolefins in a polystyrene matrix. Macromolecular Chemistry and Physics, 1998, 199, 2275-2288.	2.2	138
21	Self-nucleation and crystallization kinetics of double crystalline poly(p-dioxanone)-b-poly(Îµ-caprolactone) diblock copolymers. Faraday Discussions, 2005, 128, 231-252.	3.2	135
22	Use of rheological compatibility criteria to study SBS modified asphalts. Journal of Applied Polymer Science, 2003, 90, 1772-1782.	2.6	127
23	Glass transition temperatures and water sorption isotherms of cassava starch. Carbohydrate Polymers, 2009, 76, 305-313.	10.2	126
24	Applications of Successive Self-Nucleation and Annealing (SSA) to Polymer Characterization. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2000, 59, 451-470.	1.4	123
25	The Crystallization of Confined Polymers and Block Copolymers Infiltrated Within Alumina Nanotube Templates. Macromolecules, 2012, 45, 1517-1528.	4.8	120
26	Degradation of polymer solutions in extensional flows. Macromolecules, 1990, 23, 3092-3103.	4.8	114
27	Estimation of the nucleation and crystal growth contributions to the overall crystallization energy barrier. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1478-1487.	2.1	113
28	Homogeneous nucleation of the dispersed crystallisable component of immiscible polymer blends. Polymer Bulletin, 1994, 32, 471-477.	3.3	112
29	Double Glass Transition Temperatures of Poly(methyl methacrylate) Confined in Alumina Nanotube Templates. Macromolecules, 2014, 47, 297-303.	4.8	112
30	Crystallisation and morphology of poly(p â€dioxanone). Macromolecular Chemistry and Physics, 2000, 201, 2687-2698.	2.2	111
31	Melt Structure and its Transformation by Sequential Crystallization of the Two Blocks within Poly(L-lactide)-block-Poly(É›-caprolactone) Double Crystalline Diblock Copolymers. Macromolecular Chemistry and Physics, 2006, 207, 941-953.	2.2	106
32	Confined Crystallization and Morphology of Melt Segregated PLLA-b-PE and PLDA-b-PE Diblock Copolymers. Macromolecules, 2008, 41, 6154-6164.	4.8	106
33	Supernucleation and crystallization regime change provoked by MWNT addition to poly(Îµ-caprolactone). Polymer, 2012, 53, 832-841.	3.8	106
34	How Composition Determines the Properties of Isodimorphic Poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (succinate- Crystalline Random Copolymers. Macromolecules, 2015, 48, 43-57.	4.8	105
35	Super-nucleation in nanocomposites and confinement effects on the crystallizable components within block copolymers, miktoarm star copolymers and nanocomposites. European Polymer Journal, 2011, 47, 614-629.	5.4	101
36	Nucleation, crystallization, self-nucleation and thermal fractionation of cyclic and linear poly(Îµ-caprolactone)s. Reactive and Functional Polymers, 2014, 80, 71-82.	4.1	96

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37	Thermal Fractionation and Isothermal Crystallization of Polyethylene Nanocomposites Prepared by in Situ Polymerization. Macromolecules, 2008, 41, 2087-2095.	4.8	94
38	Influence of in Vitro Hydrolytic Degradation on the Morphology and Crystallization Behavior of Poly(p-dioxanone). Biomacromolecules, 2004, 5, 358-370.	5.4	91
39	Nucleation and crystallization of isotactic poly(propylene) droplets in an immiscible polystyrene matrix. Macromolecular Chemistry and Physics, 2000, 201, 2493-2504.	2.2	89
40	The Critical Role of Electronâ€Donating Thiophene Groups on the Mechanical and Thermal Properties of Donorâ€“Acceptor Semiconducting Polymers. Advanced Electronic Materials, 2019, 5, 1800899.	5.1	89
41	Synthesis and Characterization of Polystyrene-b-poly(ethylene oxide)-b-poly(Îµ-caprolactone) Block Copolymers. Macromolecules, 2001, 34, 7973-7982.	4.8	88
42	Isothermal Coldâ€Crystallization of PLA/PBAT Blends With and Without the Addition of Acetyl Tributyl Citrate. Macromolecular Chemistry and Physics, 2012, 213, 36-48.	2.2	88
43	Thermal, structural and rheological characteristics of dark chocolate with different compositions. Journal of Food Engineering, 2013, 116, 97-108.	5.2	88
44	Fractionated Crystallization and Fractionated Melting of Confined PEO Microdomains in PB-b-PEO and PE-b-PEO Diblock Copolymers. Macromolecules, 2008, 41, 879-889.	4.8	87
45	Crystallization, Morphology, and Enzymatic Degradation of Polyhydroxybutyrate/Polycaprolactone (PHB/PCL) Blends. Macromolecular Chemistry and Physics, 2007, 208, 924-937.	2.2	85
46	Stereocomplexation of Polylactide Enhanced by Poly(methyl methacrylate): Improved Processability and Thermomechanical Properties of Stereocomplexable Polylactide-Based Materials. ACS Applied Materials & Interfaces, 2013, 5, 11797-11807.	8.0	85
47	Tacky Elastomers to Enable Tearâ€Resistant and Autonomous Selfâ€Healing Semiconductor Composites. Advanced Functional Materials, 2020, 30, 2000663.	14.9	85
48	Self-Nucleation of Crystalline Phases Within Homopolymers, Polymer Blends, Copolymers, and Nanocomposites. Advances in Polymer Science, 2015, , 215-256.	0.8	84
49	Abiotic degradation of LDPE and LLDPE formulated with a pro-oxidant additive. Polymer Degradation and Stability, 2013, 98, 490-501.	5.8	82
50	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
51	A Comparative Study on the Crystallization Behavior of Analogous Linear and Cyclic Poly(Îµ-caprolactones). Macromolecules, 2011, 44, 1742-1746.	4.8	81
52	Synthesis and Characterization of ABC Triblock Copolymers with Two Different Crystalline End Blocks:Â Influence of Confinement on Crystallization Behavior and Morphology. Macromolecules, 2002, 35, 10004-10013.	4.8	80
53	Miscibility of linear and branched polyethylene blends by thermal fractionation: use of the successive self-nucleation and annealing (SSA) technique. Polymer, 2001, 42, 6877-6890.	3.8	79
54	Probing the Viscoelastic Property of Pseudo Freeâ€Standing Conjugated Polymeric Thin Films. Macromolecular Rapid Communications, 2018, 39, e1800092.	3.9	79

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55	Shear rheology and porous media flow of wormlike micelle solutions formed by mixtures of surfactants of opposite charge. Journal of Colloid and Interface Science, 2008, 326, 221-226.	9.4	78
56	Self-nucleation of isotactic poly(1-butene) in the trigonal modification. Polymer, 2014, 55, 137-142.	3.8	78
57	Tailoring the Structure, Morphology, and Crystallization of Isodimorphic Poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 66 History. Macromolecules, 2017, 50, 597-608.	4.8	77
58	High Speed SSA Thermal Fractionation and Limitations to the Determination of Lamellar Sizes and Their Distributions. Macromolecular Chemistry and Physics, 2006, 207, 39-49.	2.2	76
59	Rheology of aqueous solutions of hydrophobically modified polyacrylamides and surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 295, 99-106.	4.7	75
60	SAXS/DSC Analysis of the Lamellar Thickness Distribution on a SSA Thermally Fractionated Model Polyethylene. Macromolecular Chemistry and Physics, 2011, 212, 2009-2016.	2.2	74
61	Fractionated crystallisation of polyethylene and ethylene/Î±-olefin copolymers dispersed in immiscible polystyrene matrices. Macromolecular Chemistry and Physics, 1999, 200, 2559-2576.	2.2	73
62	Shear and extensional rheology of solutions of modified hydroxyethyl celluloses and sodium dodecyl sulfate. Polymer, 2002, 43, 6481-6493.	3.8	73
63	A high performance SnO₂/C nanocomposite cathode for aluminum-ion batteries. Journal of Materials Chemistry A, 2019, 7, 7213-7220.	10.3	73
64	The influence of nanosilica on the nucleation, crystallization andÂtensile properties of PPâ€“PC and PPâ€“PA blends. Polymer, 2013, 54, 3982-3993.	3.8	72
65	Nucleation and Antinucleation Effects of Functionalized Carbon Nanotubes on Cyclic and Linear Poly(Îµ-caprolactones). Macromolecules, 2014, 47, 3553-3566.	4.8	70
66	Entanglements in polymer solutions under elongational flow: a combined study of chain stretching, flow velocimetry and elongational viscosity. Macromolecules, 1988, 21, 250-256.	4.8	69
67	Unexpected Synthesis of Segmented Poly(hydroxyureaâ€“urethane)s from Dicyclic Carbonates and Diamines by Organocatalysis. Macromolecules, 2018, 51, 5556-5566.	4.8	69
68	Confinement effects on the crystallization and SSA thermal fractionation of the PE block within PE-b-PS diblock copolymers. European Polymer Journal, 2006, 42, 516-533.	5.4	68
69	Influence of Chain Topology (Cyclic versus Linear) on the Nucleation and Isothermal Crystallization of Poly(<scp>l</scp>-lactide) and Poly(<scp>d</scp>-lactide). Macromolecules, 2018, 51, 1718-1732.	4.8	68
70	The evaluation of the state of dispersion in immiscible blends where the minor phase exhibits fractionated crystallization. Polymer Bulletin, 1995, 35, 379-386.	3.3	67
71	Effect of the polyethylene confinement and topology on its crystallisation within semicrystalline ABC triblock copolymers. European Polymer Journal, 2004, 40, 1033-1049.	5.4	67
72	Heterogeneous nucleation and self-nucleation of poly(p-dioxanone). Journal of Materials Science, 2000, 35, 5071-5084.	3.7	66

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73	Surface modification of multiwalled carbon nanotubes with biocompatible polymers via ring opening and living anionic surface initiated polymerization. Kinetics and crystallization behavior. Journal of Polymer Science Part A, 2009, 47, 4379-4390.	2.3	65
74	Crystallization of isodimorphic aliphatic random copolyesters: Pseudo-eutectic behavior and double-crystalline materials. European Polymer Journal, 2018, 101, 233-247.	5.4	65
75	Confined crystallization of polymers within anodic aluminum oxide templates. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 1179-1194.	2.1	64
76	New comb-like poly(n-alkyl itaconate)s with crystalizable side chains. Polymer, 2003, 44, 4969-4979.	3.8	63
77	Miscibility and Crystallization in Polycarbonate/Poly(Îµ-caprolactone) Blends:Â Application of the Self-Concentration Model. Macromolecules, 2005, 38, 5109-5117.	4.8	63
78	Tailoring the Morphology and Melting Points of Segmented Thermoplastic Polyurethanes by Self-Nucleation. Macromolecules, 2016, 49, 7952-7964.	4.8	63
79	Review on PCL, PBS, and PCL/PBS blends containing carbon nanotubes. EXPRESS Polymer Letters, 2018, 12, 505-529.	2.1	63
80	The origin of memory effects in the crystallization of polyamides: Role of hydrogen bonding. Polymer, 2020, 188, 122117.	3.8	61
81	Polycondensation as a Versatile Synthetic Route to Aliphatic Polycarbonates for Solid Polymer Electrolytes. Electrochimica Acta, 2017, 237, 259-266.	5.2	60
82	Crystallization of the polyethylene block in polystyrene-b-polyethylene-b-polycaprolactone triblock copolymers, 1. Self-nucleation behavior. Macromolecular Chemistry and Physics, 2000, 201, 2711-2720.	2.2	59
83	On cross- and self-nucleation in seeded crystallization of isotactic poly(1-butene). Polymer, 2013, 54, 4637-4644.	3.8	59
84	Entanglements in semi-dilute solutions as revealed by elongational flow studies. Progress in Colloid and Polymer Science, 1987, 75, 179-200.	0.5	59
85	Non-Newtonian behaviour of hydrolysed polyacrylamide in strong elongational flows: a transient network approach. Polymer, 1988, 29, 1179-1190.	3.8	57
86	Nucleation and Isothermal Crystallization of the Polyethylene Block within Diblock Copolymers Containing Polystyrene and Poly(ethylene-alt-propylene). Macromolecules, 2007, 40, 5023-5037.	4.8	57
87	Antinucleation Effect of the Polyethylene Block on the Polycaprolactone Block in ABC Triblock Copolymers. Macromolecules, 1998, 31, 7756-7763.	4.8	56
88	Differences between Isotropic and Self-Nucleated PCL Melts Detected by Dielectric Experiments. Macromolecules, 2018, 51, 3663-3671.	4.8	56
89	Influence of aging and crystallinity on the molecular motions in bisphenol-A polycarbonate. Journal of Polymer Science, Part B: Polymer Physics, 1996, 34, 2863-2879.	2.1	55
90	Elongational flow and rheology of monodisperse polymers in solution. Journal of Non-Newtonian Fluid Mechanics, 1988, 30, 99-118.	2.4	54

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91	Thermomechanical degradation of macromolecules. Colloid and Polymer Science, 1992, 270, 307-324.	2.1	54
92	Effect of temperature, moisture and lipid content on the rheological properties of rice flour. Journal of Food Engineering, 2007, 78, 1159-1166.	5.2	54
93	Enhanced Crystallization from the Glassy State of Poly(<scp>l</scp>-lactic acid) Confined in Anodic Alumina Oxide Nanopores. Macromolecules, 2015, 48, 2526-2533.	4.8	54
94	Characterization of Hydrogen Bonding Formation and Breaking in Semiconducting Polymers under Mechanical Strain. Macromolecules, 2019, 52, 2476-2486.	4.8	54
95	Crystallization in Block Copolymers with More than One Crystallizable Block. , 2007, , 229-259.		53
96	Nucleation and crystallization of blends of poly(propylene) and ethylene/Î±-olefin copolymers. Macromolecular Chemistry and Physics, 2000, 201, 958-972.	2.2	52
97	Crystallisation and morphology of neat and degraded poly(p-dioxanone). Polymer Degradation and Stability, 2001, 73, 541-547.	5.8	52
98	The effect of hydrophobic modifications on the adsorption isotherms of cassava starch. Carbohydrate Polymers, 2010, 81, 660-667.	10.2	52
99	Thermal characterization of polycarbonate/polycaprolactone blends. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 771-785.	2.1	51
100	Microwave-assisted modification of starch for compatibilizing LLDPE/starch blends. Carbohydrate Polymers, 2009, 75, 343-350.	10.2	51
101	Thermorheologically Complex Self-Seeded Melts of Propyleneâ€“Ethylene Copolymers. Macromolecules, 2017, 50, 642-651.	4.8	51
102	Flow of polymer solutions through porous media. Journal of Non-Newtonian Fluid Mechanics, 1993, 49, 63-85.	2.4	50
103	Molecular Mobilities in Biodegradable Poly(dl-lactide)/Poly(Îµ-caprolactone) Blends. Macromolecules, 2009, 42, 5219-5225.	4.8	49
104	Influence of Chain Branching and Molecular Weight on Melt Rheology and Crystallization of Polyethylene/Carbon Nanotube Nanocomposites. Macromolecules, 2014, 47, 5668-5681.	4.8	49
105	Universality and Percolation in Biodegradable Poly(Îµ-caprolactone)/Multiwalled Carbon Nanotube Nanocomposites from Broad Band Alternating and Direct Current Conductivity at Various Temperatures. Macromolecules, 2011, 44, 2819-2828.	4.8	48
106	Fractionated crystallization in semicrystalline polymers. Progress in Polymer Science, 2021, 115, 101376.	24.7	48
107	Glass transition temperatures of a ready to eat breakfast cereal formulation and its main components determined by DSC and DMTA. Carbohydrate Polymers, 2009, 76, 528-534.	10.2	47
108	Kinetics of Cross-Nucleation in Isotactic Poly(1-butene). Macromolecules, 2014, 47, 870-873.	4.8	47

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109	Tuning Conjugated Polymer Chain Packing for Stretchable Semiconductors. Advanced Materials, 2022, 34, e2104747.	21.0	47
110	The effect of the ionic strength on the rheological behavior of hydrophobically modified polyacrylamide aqueous solutions mixed with sodium dodecyl sulfate (SDS) or cetyltrimethylammonium p-toluenesulfonate (CTAT). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 322, 211-218.	4.7	46
111	Effect of Sequence Distribution on the Morphology, Crystallization, Melting, and Biodegradation of Poly(Îµ-caprolactone-co-Îµ-caprolactam) Copolymers. Macromolecules, 2009, 42, 6671-6681.	4.8	46
112	Effects of corn oil on glass transition temperatures of cassava starch. Carbohydrate Polymers, 2011, 85, 875-884.	10.2	46
113	Contribution of the Polarity of Mussel-Inspired Adhesives in the Realization of Strong Underwater Bonding. ACS Biomaterials Science and Engineering, 2017, 3, 3133-3140.	5.2	46
114	Toward the Prediction and Control of Glass Transition Temperature for Donorâ€“Acceptor Polymers. Advanced Functional Materials, 2020, 30, 2002221.	14.9	46
115	Recent Advances and Applications of â€œSuccessive Selfâ€Nucleation and Annealingâ€•(SSA) High Speed Thermal Fractionation. Macromolecular Symposia, 2009, 277, 207-214.	0.7	45
116	Comparing crystallization rates between linear and cyclic poly(epsilon-caprolactones) via fast-scan chip-calorimeter measurements. Polymer, 2015, 63, 34-40.	3.8	45
117	Correlation between Grafting Density and Confined Crystallization Behavior of Poly(ethylene glycol) Grafted to Silica. Macromolecules, 2019, 52, 1505-1516.	4.8	45
118	Crystallization in ABC Triblock Copolymers with Two Different Crystalline End Blocks: Influence of Confinement on Self-Nucleation Behavior. Macromolecular Chemistry and Physics, 2003, 204, 111-124.	2.2	44
119	Twoâ€Dimensional Covalent Organic Frameworks with Enhanced Aluminum Storage Properties. ChemSusChem, 2020, 13, 3447-3454.	6.8	44
120	Ternary ABC block copolymers based on one glassy and two crystallizable blocks: polystyrene-block-polyethylene-block-poly(É›-caprolactone). Macromolecular Chemistry and Physics, 1998, 199, 1063-1070.	2.2	44
121	Confinement Effects on the Crystallization Kinetics and Self-Nucleation of Double Crystalline Poly(p-dioxanone)-b-poly(Îµ-caprolactone) Diblock Copolymers. Macromolecular Symposia, 2004, 215, 369-382.	0.7	43
122	Coincident or sequential crystallization of PCL and PEO blocks within polystyrene-b-poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.4	43
123	Influence of Macromolecular Architecture on the Crystallization of (PCL₂)-b-(PS₂) 4-Miktoarm Star Block Copolymers in Comparison to Linear PCL-b-PS Diblock Copolymer Analogues. Macromolecules, 2009, 42, 8353-8364.	4.8	43
124	Linear and non-linear rheological behavior of polypropylene/polyamide blends modified with a compatibilizer agent and nanosilica and its relationship with the morphology. European Polymer Journal, 2016, 83, 10-21.	5.4	43
125	Nucleating efficiency and thermal stability of industrial non-purified lignins and ultrafine talc in poly(lactic acid) (PLA). Polymer Degradation and Stability, 2017, 142, 244-254.	5.8	43
126	Interfacial nucleation in iPP/PB-1 blends promotes the formation of polybutene-1 trigonal crystals. Polymer, 2018, 138, 396-406.	3.8	43

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127	Chemical Structure Drives Memory Effects in the Crystallization of Homopolymers. Macromolecules, 2020, 53, 4874-4881.	4.8	43
128	Single crystals morphology of biodegradable double crystalline PLLA-b-PCL diblock copolymers. Polymer, 2011, 52, 5166-5177.	3.8	42
129	Clarifying the Origin of Multiple Melting of Segmented Thermoplastic Polyurethanes by Fast Scanning Calorimetry. Macromolecules, 2017, 50, 7672-7680.	4.8	42
130	Rheology of self-nucleated poly(É›-caprolactone) melts. European Polymer Journal, 2018, 99, 495-503.	5.4	42
131	Degradation of semidilute polymer solutions in elongational flows. Polymer, 1992, 33, 2598-2604.	3.8	41
132	Effect of the Flow Field on the Rheological Behavior of Aqueous Cetyltrimethylammoniump-Toluenesulfonate Solutions. Langmuir, 2004, 20, 3838-3841.	3.5	41
133	Moisture Sorption Characteristics of Starchy Products: Oat Flour and Rice Flour. Food Biophysics, 2009, 4, 151-157.	3.0	41
134	Hierarchically Diminishing Chirality Effects on Lamellar Assembly in Spherulites Comprising Chiral Polymers. Macromolecules, 2016, 49, 2698-2708.	4.8	41
135	Poly(butylene succinate-ran-Îµ-caprolactone) copolyesters: Enzymatic synthesis and crystalline isodimorphic character. European Polymer Journal, 2017, 95, 795-808.	5.4	41
136	Rheological and calorimetric evidences of the fractionated crystallization of iPP dispersed in ethylene/?-olefin copolymers. Journal of Applied Polymer Science, 1997, 66, 2481-2493.	2.6	40
137	Interactions between Poly(ethylene Oxide) and Sodium Dodecyl Sulfate in Elongational Flows. Journal of Colloid and Interface Science, 2001, 236, 343-353.	9.4	40
138	The role of shear and elongation in the flow of solutions of semi-flexible polymers through porous media. Rheologica Acta, 2005, 44, 396-405.	2.4	40
139	The Influence of Blend Morphology (Coâ€Continuous or Subâ€Micrometer Droplets Dispersions) on the Nucleation and Crystallization Kinetics of Double Crystalline Polyethylene/Polyamide Blends Prepared by Reactive Extrusion. Macromolecular Chemistry and Physics, 2011, 212, 1335-1350.	2.2	40
140	Glass Transitions of Poly(methyl methacrylate) Confined in Nanopores: Conversion of Three- and Two-Layer Models. Journal of Physical Chemistry B, 2015, 119, 5047-5054.	2.6	40
141	Reexamining the Crystallization of Poly(Îµ-caprolactone) and Isotactic Polypropylene under Hard Confinement: Nucleation and Orientation. Macromolecules, 2017, 50, 9015-9023.	4.8	40
142	Synthesis and characterization of isocyanate-free polyureas. Green Chemistry, 2018, 20, 243-249.	9.0	40
143	Promotion of Self-Nucleation with Latent Form I Nuclei in Polybutene-1 and Its Copolymer. Macromolecules, 2018, 51, 6037-6046.	4.8	40
144	Experimental and Data Fitting Guidelines for the Determination of Polymer Crystallization Kinetics. Chinese Journal of Polymer Science (English Edition), 2022, 40, 658-691.	3.8	40

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145	Miscibility in poly(L-lactide)- b -poly($ upvarepsilon$ -caprolactone) double crystalline diblock copolymers. European Physical Journal E, 2007, 23, 295-303.	1.6	39
146	Effect of sequence distribution on the isothermal crystallization kinetics and successive self-nucleation and annealing (SSA) behavior of poly(Îµ-caprolactone-co-Îµ-caprolactam) copolymers. European Polymer Journal, 2010, 46, 1334-1344.	5.4	39
147	Properties of scaffolds prepared by fused deposition modeling of poly(hydroxyalkanoates). International Journal of Biological Macromolecules, 2020, 161, 364-376.	7.5	39
148	Application of the SSA calorimetric technique to characterize LLDPE grafted with diethyl maleate. Macromolecular Chemistry and Physics, 1999, 200, 330-337.	2.2	38
149	Effect of ionic strength on the rheological behavior of aqueous cetyltrimethylammonium p-toluene sulfonate solutions. Journal of Colloid and Interface Science, 2007, 307, 221-228.	9.4	38
150	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
151	Heterogeneous Nucleation and Self-Nucleation of Isotactic Polypropylene Microdroplets in Immiscible Blends: From Nucleation to Growth-Dominated Crystallization. Macromolecules, 2020, 53, 5980-5991.	4.8	38
152	Confined Crystallization of Polymers within Nanopores. Accounts of Chemical Research, 2021, 54, 3028-3038.	15.6	38
153	Nucleation and crystallization of PET droplets dispersed in an amorphous PC matrix. Journal of Applied Polymer Science, 1998, 70, 1725-1735.	2.6	37
154	Polyether Synthesis by Bulk Self-Condensation of Diols Catalyzed by Non-Eutectic Acidâ€“Base Organocatalysts. ACS Sustainable Chemistry and Engineering, 2019, 7, 4103-4111.	6.7	37
155	Synthesis and morphological characterization of miktoarm star copolymers (PCL)₂(PS)₂ of poly(Îµâ€caprolactone) and polystyrene. Journal of Polymer Science Part A, 2007, 45, 5387-5397.	2.3	36
156	Screening of different organocatalysts for the sustainable synthesis of PET. European Polymer Journal, 2018, 104, 170-176.	5.4	36
157	The phenomenon of double yielding under tension in low-density polyethylene, linear low-density polyethylene and their blends. Journal of Materials Science Letters, 1993, 12, 1457-1459.	0.5	35
158	Low-temperature crystallization of P(VDF-TrFE-CFE) studied by Flash DSC. Polymer, 2016, 84, 319-327.	3.8	35
159	How the Complex Interplay between Different Blocks Determines the Isothermal Crystallization Kinetics of Triple-Crystalline PEO-b-PCL-b-PLLA Triblock Terpolymers. Macromolecules, 2017, 50, 9683-9695.	4.8	35
160	Nucleation of Poly(lactide) on the Surface of Different Fibers. Macromolecules, 2019, 52, 6274-6284.	4.8	35
161	Calorimetric study of blends of low density polyethylene (LDPE) and linear low density polyethylene (LLDPE) temperature rising elution fractionation (TREF) fractions. Macromolecular Chemistry and Physics, 1995, 196, 385-398.	2.2	34
162	Evaluation of cell affinity on poly(<scp>L</scp>â€lactide) and poly(Îµâ€caprolactone) blends and on PLLAâ€bâ€PCL diblock copolymer surfaces. Journal of Biomedical Materials Research - Part A, 2008, 87A, 405-417.	4.0	34

#	Article	IF	Citations
163	Tailoring the properties of PP/PA6 nanostructured blends by the addition of nanosilica and compatibilizer agents. European Polymer Journal, 2016, 85, 532-552.	5.4	34
164	The Complex Amorphous Phase in Poly(butylene succinate-ran-butylene azelate) Isodimorphic Copolyesters. Macromolecules, 2017, 50, 1569-1578.	4.8	34
165	Acceleration of Crystal Growth of Amorphous Griseofulvin by Low-Concentration Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 387 Td (2262-2272.	4.6	34
166	Supernucleation and Orientation of Poly(butylene terephthalate) Crystals in Nanocomposites Containing Highly Reduced Graphene Oxide. Macromolecules, 2017, 50, 9380-9393.	4.8	34
167	Crystallization and self-nucleation of PLA, PBS and PCL in their immiscible binary and ternary blends. Thermochimica Acta, 2019, 677, 117-130.	2.7	34
168	Nucleation and crystallization of PS-b-PEO-b-PCL triblock copolymers. Macromolecular Symposia, 2002, 183, 199-204.	0.7	33
169	Rheological Study of the Shape Transition of Block Copolymerâ"Nonionic Surfactant Mixed Micelles. Langmuir, 2007, 23, 11000-11006.	3.5	32
170	The influence of concentration and pH on the structure and rheology of cationic surfactant/hydrotrope structured fluids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 489, 311-321.	4.7	32
171	Trilayered Morphology of an ABC Triple Crystalline Triblock Terpolymer. Macromolecules, 2017, 50, 7268-7281.	4.8	32
172	Tuning the Thermal Properties and Morphology of Isodimorphic Poly[(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (succinate) Thermal History. Macromolecules, 2018, 51, 9589-9601.	4.8	32
173	Polymorphism and Multiple Melting Behavior of Bio-Based Poly(propylene 2,5-furandicarboxylate). Biomacromolecules, 2020, 21, 2622-2634.	5.4	32
174	Nucleation and Crystallization of PLDA-b-PE and PLLA-b-PE Diblock Copolymers. Macromolecular Symposia, 2006, 242, 174-181.	0.7	31
175	Synthesis and Characterization of Novel Linear PB-b-PS-b-PEO and PE-b-PS-b-PEO Triblock Terpolymers. Macromolecules, 2007, 40, 1290-1298.	4.8	31
176	Crystallization Kinetics of PEO and PE in Different Triblock Terpolymers: Effect of Microdomain Geometry and Confinement. Macromolecular Chemistry and Physics, 2008, 209, 476-487.	2.2	31
177	Effect of ionic environment on the rheology of wormlike micelle solutions of mixtures of surfactants with opposite charge. Journal of Colloid and Interface Science, 2010, 342, 103-109.	9.4	31
178	Effect of geometric curvature on vitrification behavior for polymer nanotubes confined in anodic aluminum oxide templates. Physical Review E, 2015, 92, 032306.	2.1	31
179	Metastable Isotactic Polystyrene Prepared by Freeze-Extracting Concentrated Solutions in Solvents of Middle Molecular Size. Macromolecules, 2003, 36, 4609-4613.	4.8	30
180	Synthesis and rheological properties of hydrophobically modified polyacrylamides with lateral chains of poly(propylene oxide) oligomers. Journal of Colloid and Interface Science, 2009, 333, 152-163.	9.4	30

#	Article	IF	Citations
181	Crystallization and stereocomplexation behavior of poly(<scp>D</scp>â€•and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td [<s copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 1397-1409.	2.1	30
182	Segmental Dynamics Govern the Cold Crystallization of Poly(lactic acid) in Nanoporous Alumina. Macromolecules, 2019, 52, 6904-6912.	4.8	30
183	A Review on Current Strategies for the Modulation of Thermomechanical, Barrier, and Biodegradation Properties of Poly (Butylene Succinate) (PBS) and Its Random Copolymers. Polymers, 2022, 14, 1025.	4.5	30
184	Stagnation-point extensional flow behaviour of M1. Journal of Non-Newtonian Fluid Mechanics, 1990, 35, 231-250.	2.4	29
185	Extensional behavior of hydroxypropyl guar solutions: Optical rheometry in opposed jets and flow through porous media. Journal of Rheology, 1995, 39, 961-986.	2.6	29
186	Effect of isothermal crystallization on the amorphous phase mobility of polycarbonate/poly(Îµ-caprolactone) blends. Polymer, 2005, 46, 6532-6542.	3.8	29
187	Solutions of xanthan gum/guar gum mixtures: shear rheology, porous media flow, and solids transport in annular flow. Rheologica Acta, 2009, 48, 491-498.	2.4	29
188	CHAPTER 3. Crystallization of PLA-based Materials. RSC Polymer Chemistry Series, 2014, , 66-98.	0.2	29
189	The influence of small amounts of linear polycaprolactone chains on the crystallization of cyclic analogue molecules. RSC Advances, 2016, 6, 48049-48063.	3.6	29
190	A thin TiO₂ NTs/GO hybrid membrane applied as an interlayer for lithiumâ€“sulfur batteries. RSC Advances, 2018, 8, 429-434.	3.6	29
191	Hydrolytic Degradation of Double Crystalline PPDX-b-PCL Diblock Copolymers. Macromolecular Chemistry and Physics, 2005, 206, 903-914.	2.2	28
192	Synthesis of ordered spiral and ring-like polypyrrole nanowires in cetyltrimethylammounium bromide crystalline suspension. Colloid and Polymer Science, 2009, 287, 1325-1330.	2.1	28
193	Nonâ€monotonic molecular weight dependence of crystallization rates of linear and cyclic poly(epsilonâ€caprolactone)s in a wide temperature range. Polymer International, 2016, 65, 1074-1079.	3.1	28
194	PET-ran-PLA Partially Degradable Random Copolymers Prepared by Organocatalysis: Effect of Poly(<scp>l</scp>-lactic acid) Incorporation on Crystallization and Morphology. ACS Sustainable Chemistry and Engineering, 2019, 7, 8647-8659.	6.7	28
195	Influence of composition on the isothermal crystallisation of segmented thermoplastic polyurethanes. CrystEngComm, 2017, 19, 4720-4733.	2.6	28
196	Novel poly(ester-urethane)s based on polylactide: From reactive extrusion toÂcrystallization and thermal properties. Polymer, 2012, 53, 5657-5665.	3.8	27
197	Probing the interfacial molecular packing in TIPS-pentacene organic semiconductors by surface enhanced Raman scattering. Journal of Materials Chemistry C, 2014, 2, 2985-2991.	5.5	27
198	Reversible Lamellar Periodic Structures Induced by Sequential Crystallization/Melting in PBS-co-PCL Multiblock Copolymer. Macromolecules, 2018, 51, 1100-1109.	4.8	27

#	Article	IF	Citations
199	Novel Biobased Polyamide 410/Polyamide 6/CNT Nanocomposites. Polymers, 2018, 10, 986.	4.5	27
200	Tailoring the isothermal crystallization kinetics of isodimorphic poly (butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (succinate-r 121863.	3.8	27
201	Isomorphic Polyoxyalkylene Copolyethers Obtained by Copolymerization of Aliphatic Diols. Macromolecules, 2019, 52, 3506-3515.	4.8	27
202	Effects of Hairy Nanoparticles on Polymer Crystallization Kinetics. Macromolecules, 2019, 52, 9186-9198.	4.8	27
203	Natural Deep Eutectic Solvents Based on Choline Chloride and Phenolic Compounds as Efficient Bioadhesives and Corrosion Protectors. ACS Sustainable Chemistry and Engineering, 2022, 10, 8135-8142.	6.7	27
204	Application of the SSA Calorimetric Technique to Characterise an XLPE Insulator Aged under Multiple Stresses. Macromolecular Chemistry and Physics, 2001, 202, 1539-1547.	2.2	26
205	Dielectric, mechanical and transport properties of bisphenol A polycarbonate/graphene nanocomposites prepared by melt blending. Journal of Applied Polymer Science, 2017, 134, .	2.6	26
206	Interplay between Free Surface and Solid Interface Nucleation on Two-Step Crystallization of Poly(ethylene terephthalate) Thin Films Studied by Fast Scanning Calorimetry. Macromolecules, 2018, 51, 5209-5218.	4.8	26
207	Controlling the Isothermal Crystallization of Isodimorphic PBS-ran-PCL Random Copolymers by Varying Composition and Supercooling. Polymers, 2020, 12, 17.	4.5	26
208	Evenâ€“Odd Effect in Aliphatic Polycarbonates with Different Chain Lengths: from Poly (Hexamethylene) Tj ETQq0 0 0 rgBT /Overlock 10	4.8	26
209	Thermal and morphological evaluation of very low density polyethylene/high density polyethylene blends. Polymer Engineering and Science, 2002, 42, 2048-2063.	3.1	25
210	Self-Nucleation Behavior of the Polyethylene Block as Function of the Confinement Degree in Polyethylene-Block-Polystyrene Diblock Copolymers. Macromolecular Symposia, 2006, 240, 114-122.	0.7	25
211	Thermal Characterization and Phase Behavior of a Ready-to-Eat Breakfast Cereal Formulation and its Starchy Components. Food Biophysics, 2009, 4, 291-303.	3.0	25
212	Lower Critical Ordering Transition of Poly(ethylene oxide)-block-poly(2-vinylpyridine). Macromolecules, 2011, 44, 440-443.	4.8	25
213	Confined Nucleation and Crystallization Kinetics in Lamellar Crystallineâ€“Amorphous Diblock Copolymer Poly(Îµ-caprolactone)-b-poly(4-vinylpyridine). Macromolecules, 2015, 48, 1804-1812.	4.8	25
214	Application of SSA thermal fractionation and X-ray diffraction to elucidate comonomer inclusion or exclusion from the crystalline phases in poly(butylene succinate-ran-butylene azelate) random copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2346-2358.	2.1	25
215	Polymer crystallinity and crystallization kinetics via benchtop 1H NMR relaxometry: Revisited method, data analysis, and experiments on common polymers. Polymer, 2018, 145, 162-173.	3.8	25
216	Morphology and Crystallization Kinetics of Melt Miscible Polyolefin Blends. Macromolecular Chemistry and Physics, 2003, 204, 1497-1513.	2.2	24

#	Article	IF	Citations
217	Critical Analysis of the Crystal Orientation Behavior in Polyethylene-Based Crystallineâ^'Amorphous Diblock Copolymer. Journal of Physical Chemistry B, 2011, 115, 2494-2502.	2.6	24
218	Plasticization and cocrystallization in L<scp>LDPE</scp>/wax blends. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1469-1482.	2.1	24
219	Effect of sugar addition on glass transition temperatures of cassava starch with low to intermediate moisture contents. Carbohydrate Polymers, 2016, 146, 231-237.	10.2	24
220	Crystallization, Orientation, and Solidâ€"Solid Crystal Transition of Polybutene-1 Confined within Nanoporous Alumina. Macromolecules, 2020, 53, 6510-6518.	4.8	24
221	High conductivity and stability of polystyrene/MXene composites with orientation-3D network binary structure. Journal of Colloid and Interface Science, 2021, 595, 151-158.	9.4	24
222	Compatibility Studies in Binary Blends of PA6 and ULDPE-graft-DEM. Macromolecular Chemistry and Physics, 2001, 202, 2461-2478.	2.2	23
223	The effect of NaCl addition on the rheological behavior of cetyltrimethylammonium p-toluenesulfonate (CTAT) aqueous solutions and their mixtures with hydrophobically modified polyacrylamide aqueous solutions. Rheologica Acta, 2009, 48, 163-175.	2.4	23
224	Orthogonal Crystal Orientation in Double-Crystalline Block Copolymer. Macromolecules, 2011, 44, 6875-6884.	4.8	23
225	Crystallization behavior of precision polymers containing azobenzene defects. European Polymer Journal, 2017, 97, 299-307.	5.4	23
226	Polyethylene terephthalate/low density polyethylene/titanium dioxide blend nanocomposites: Morphology, crystallinity, rheology, and transport properties. Journal of Applied Polymer Science, 2019, 136, 46986.	2.6	23
227	The effect of composition on the rheological behavior of commercial chocolates. LWT - Food Science and Technology, 2019, 111, 744-750.	5.2	23
228	Effect of Chemical Structure and Salt Concentration on the Crystallization and Ionic Conductivity of Aliphatic Polyethers. Polymers, 2019, 11, 452.	4.5	23
229	Residual alignment and its effect on weld strength in material-extrusion 3D-printing of polylactic acid. Additive Manufacturing, 2020, 36, 101415.	3.0	23
230	Flame retardant polyphosphoester copolymers as solid polymer electrolyte for lithium batteries. Polymer Chemistry, 2021, 12, 3441-3450.	3.9	23
231	Non-Newtonian annular vertical flow of sand suspensions in aqueous solutions of guar gum. Journal of Petroleum Science and Engineering, 2004, 44, 317-331.	4.2	22
232	Crystallization studies on linear aliphatic nâ€polyurethanes. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1368-1380.	2.1	22
233	Glass transition temperatures of cassava starchâ€"whey protein concentrate systems at low and intermediate water content. Carbohydrate Polymers, 2012, 87, 1375-1382.	10.2	22
234	Growth of Polymer Nanorods with Different Coreâ€"Shell Dynamics via Capillary Force in Nanopores. Macromolecules, 2014, 47, 8722-8728.	4.8	22

#	Article	IF	Citations
235	The outstanding ability of nanosilica to stabilize dispersions of Nylon 6 droplets in a polypropylene matrix. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1567-1579.	2.1	22
236	Synthesis and Characterization of Double Crystalline Cyclic Diblock Copolymers of Poly(Îµâ€caprolactone) and Poly(<scp>l</scp>(<scp>d</scp>)â€lactide) (c(PCLâ€bâ€PL(D)LA)). Macromolecular Rapid Communications, 2016, 37, 1676-1681.	3.9	22
237	Selective Acceleration of Crystal Growth of Indomethacin Polymorphs by Low-Concentration Poly(ethylene oxide). Molecular Pharmaceutics, 2017, 14, 4694-4704.	4.6	22
238	CO₂ Selective PolyActive Membrane: Thermal Transitions and Gas Permeance as a Function of Thickness. ACS Applied Materials & Interfaces, 2018, 10, 26733-26744.	8.0	22
239	Nucleation and Crystallization of PA6 Composites Prepared by T-RTM: Effects of Carbon and Glass Fiber Loading. Polymers, 2019, 11, 1680.	4.5	22
240	Polymer Crystallization under Confinement by Well-Dispersed Nanoparticles. Macromolecules, 2020, 53, 10256-10266.	4.8	22
241	High Lithium Conductivity of Miscible Poly(ethylene oxide)/Methacrylic Sulfonamide Anionic Polyelectrolyte Polymer Blends. Macromolecules, 2020, 53, 4442-4453.	4.8	22
242	Access to Biorenewable and CO₂-Based Polycarbonates from Exovinylene Cyclic Carbonates. ACS Sustainable Chemistry and Engineering, 2021, 9, 1714-1728.	6.7	22
243	Shear and elongational behavior of linear low-density and low-density polyethylene blends from capillary rheometry. Polymer Engineering and Science, 1994, 34, 1455-1463.	3.1	21
244	Anti-plasticization of cassava starch by complexing fatty acids. Carbohydrate Polymers, 2013, 98, 659-664.	10.2	21
245	Integration of ultrafast scanning calorimetry with micro-Raman spectroscopy for investigation of metastable materials. Review of Scientific Instruments, 2014, 85, 074901.	1.3	21
246	Oil-based self-degradable gels as diverting agents for oil well operations. Journal of Petroleum Science and Engineering, 2016, 146, 874-882.	4.2	21
247	Plasticization and anti-plasticization effects caused by poly(lactide-ran-caprolactone) addition to double crystalline poly(<scp>l</scp>-lactide)/poly(Îµ-caprolactone) blends. CrystEngComm, 2016, 18, 2014-2023.	2.6	21
248	Competition between nucleation and confinement in the crystallization of poly(ethylene glycol)/ large aspect ratio hectorite nanocomposites. Polymer, 2020, 202, 122734.	3.8	21
249	Crystallization kinetics and nanoparticle ordering in semicrystalline polymer nanocomposites. Progress in Polymer Science, 2022, 128, 101527.	24.7	21
250	Crystalline memory on polycarbonate. Journal of Applied Polymer Science, 1987, 34, 1959-1966.	2.6	20
251	From Miscible to Immiscible Polycarbonate/Poly(Îµ-caprolactone) Blends. Macromolecules, 2002, 35, 7301-7313.	4.8	20
252	Crystallization Kinetics of Homogeneous and Melt Segregated PE Containing Diblock Copolymers. Macromolecular Symposia, 2006, 245-246, 154-160.	0.7	20

#	Article	IF	Citations
253	New dendronized polymers from acrylate Behera amine and their ability to produce visco-elastic structured fluids when mixed with CTAT worm-like micelles. Journal of Colloid and Interface Science, 2011, 357, 147-156.	9.4	20
254	Shear-thickening behavior of high molecular weight poly(ethylene oxide) solutions. Rheologica Acta, 2012, 51, 13-20.	2.4	20
255	Evolution of Crystal Orientation in One-Dimensionally Confined Space Templated by Lamellae-Forming Block Copolymers. Macromolecules, 2015, 48, 4451-4460.	4.8	20
256	Crystallization kinetics of syndiotactic polypropylene confined in nanoporous alumina. Polymer, 2017, 110, 273-283.	3.8	20
257	The effect of microstructural evolution during deformation on the post-yielding behavior of self-associated polyamide blends. Polymer, 2017, 117, 231-242.	3.8	20
258	Morphology, Nucleation, and Isothermal Crystallization Kinetics of Poly(Îµ-caprolactone) Mixed with a Polycarbonate/MWCNTs Masterbatch. Polymers, 2017, 9, 709.	4.5	20
259	Effect of the Crystallization Conditions on the Exclusion/Inclusion Balance in Biodegradable Poly(butylene succinate-ran-butylene adipate) Copolymers. Biomacromolecules, 2020, 21, 3420-3435.	5.4	20
260	Effect of intermolecular cross links on drag reduction by polymer solutions. Polymer Bulletin, 1996, 36, 111-118.	3.3	19
261	Porous media flow of poly(ethylene oxide)/sodium dodecyl sulfate mixtures. Polymer Bulletin, 1999, 42, 109-116.	3.3	19
262	Interactions between high-molecular-weight poly(ethylene oxide) and sodium dodecyl sulfate. , 2003, , 73-81.		19
263	Synthesis and Characterization of Triblock Terpolymers with three Potentially Crystallisable Blocks: Polyethylene-b-poly(ethylene oxide)-b-poly(É›-caprolactone). Macromolecular Symposia, 2006, 239, 58-67.	0.7	19
264	Time effects on the rheological behavior of hydrophobically modified polyacrylamide aqueous solutions mixed with sodium dodecyl sulfate (SDS). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 330, 168-175.	4.7	19
265	Gelation kinetics of an imitation-mortadella emulsion during heat treatment determined by oscillatory rheometry. Journal of Food Engineering, 2009, 95, 677-683.	5.2	19
266	A transient polymorph transition of 4-cyano-4â€²-octyloxybiphenyl (8OCB) revealed by ultrafast differential scanning calorimetry (UFDSC). Soft Matter, 2013, 9, 1488-1491.	2.7	19
267	Interplay between poly(ethylene oxide) and poly(<scp>l</scp>-lactide) blocks during diblock copolymer crystallization. CrystEngComm, 2016, 18, 3635-3649.	2.6	19
268	The role of PLLA-g-montmorillonite nanohybrids in the acceleration of the crystallization rate of a commercial PLA. CrystEngComm, 2016, 18, 9334-9344.	2.6	19
269	Sequential crystallization and morphology of triple crystalline biodegradable PEO-b-PCL-b-PLLA triblock terpolymers. RSC Advances, 2016, 6, 4739-4750.	3.6	19
270	Ternary Poly(ethylene oxide)/Poly(<scp>l</scp>,<scp>l</scp>-lactide) PEO/PLA Blends as High-Temperature Solid Polymer Electrolytes for Lithium Batteries. ACS Applied Polymer Materials, 2021, 3, 6326-6337.	4.4	19

#	Article	IF	Citations
271	Electroactive 3D printable poly(3,4-ethylenedioxythiophene)-graft-poly(Îµ-caprolactone) copolymers as scaffolds for muscle cell alignment. Polymer Chemistry, 2021, 13, 109-120.	3.9	19
272	The calorimetric and mechanical properties of virgin and recycled poly(ethylene terephthalate) from beverage bottles. Polymer Engineering and Science, 1987, 27, 796-803.	3.1	18
273	The phenomenon of double yielding in oriented high density polyethylene films. Journal of Materials Science Letters, 1997, 16, 1721-1724.	0.5	18
274	Thermal stability of blends of nylon 6 with polyolefins that contain acrylic acid. European Polymer Journal, 1998, 34, 1865-1870.	5.4	18
275	Effect of two different lipid sources on glass transition temperatures and tensile properties of corn semolina. Journal of Food Engineering, 2012, 113, 265-274.	5.2	18
276	Self-Associated Polyamide Alloys with Tailored Polymorphism Transition and Lamellar Thickening for Advanced Mechanical Application. ACS Applied Materials & Interfaces, 2017, 9, 19238-19247.	8.0	18
277	Can poly(Îµ-caprolactone) crystals nucleate glassy polylactide?. CrystEngComm, 2017, 19, 3178-3191.	2.6	18
278	Comparing Crystallization Kinetics between Polyamide 6 and Polyketone via Chipâ€€Calorimeter Measurement. Macromolecular Chemistry and Physics, 2018, 219, 1700385.	2.2	18
279	Uniaxial and Mixed Orientations of Poly(ethylene oxide) in Nanoporous Alumina Studied by X-ray Pole Figure Analysis. Macromolecules, 2018, 51, 9484-9493.	4.8	18
280	Influence of Chemical Structures on Isodimorphic Behavior of Three Different Copolycarbonate Random Copolymer Series. Macromolecules, 2020, 53, 669-681.	4.8	18
281	Synthesis, Structure, and Crystallization Behavior of Amphiphilic Heteroarm Molecular Brushes with Crystallizable Poly(ethylene oxide) and n-Alkyl Side Chains. Macromolecules, 2020, 53, 1585-1595.	4.8	18
282	Multiamorphous Phases in Diketopyrrolopyrrole-Based Conjugated Polymers: From Bulk to Ultrathin Films. Macromolecules, 2020, 53, 4480-4489.	4.8	18
283	Extensional Flow Behavior of Macromolecules in Solution. Advances in Chemistry Series, 1989, , 193-244.	0.6	17
284	Use of the successive self-nucleation and annealing technique to characterize 60Co gamma irradiated HDPEs. Journal of Thermal Analysis and Calorimetry, 2011, 103, 669-678.	3.6	17
285	Crystallization of Cyclic Polymers. Advances in Polymer Science, 2015, , 93-132.	0.8	17
286	Probing the early stages of thermal fractionation by successive self-nucleation and annealing performed with fast scanning chip-calorimetry. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2200-2209.	2.1	17
287	Hydrolytic degradation of nanocomposites based on poly(<scp>l</scp>â€lactic acid) and layered double hydroxides modified with a model drug. Journal of Applied Polymer Science, 2016, 133, .	2.6	17
288	Thermal and <scp>UV</scp> degradation of polypropylene with proâ€oxidant. Abiotic characterization. Journal of Applied Polymer Science, 2018, 135, 46088.	2.6	17

#	Article	IF	Citations
289	Origin of Transcrystallinity and Nucleation Kinetics in Polybutene-1/Fiber Composites. Macromolecules, 2020, 53, 8940-8950.	4.8	17
290	Effect of Nanoconfinement on the Isodimorphic Crystallization of Poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (succinat	4.8	17
291	Interphase Design of Cellulose Nanocrystals/Poly(hydroxybutyrate-ran-valerate) Bionanocomposites for Mechanical and Thermal Properties Tuning. Biomacromolecules, 2020, 21, 1892-1901.	5.4	17
292	Observation of Stepwise Ultrafast Crystallization Kinetics of Donorâ€“Acceptor Conjugated Polymers and Correlation with Field Effect Mobility. Chemistry of Materials, 2021, 33, 1637-1647.	6.7	17
293	Polymer Spherulitic Growth Kinetics Mediated by Nanoparticle Assemblies. Macromolecules, 2021, 54, 1063-1072.	4.8	17
294	Structure and Properties of Reactively Extruded Opaque Post-Consumer Recycled PET. Polymers, 2021, 13, 3531.	4.5	17
295	The phenomenon of double yielding in blown polyethylene films. Polymer Bulletin, 1997, 39, 125-132.	3.3	16
296	Chip calorimetry for fast cooling and thin films: a review. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2009, 4, 229-248.	0.4	16
297	Probing into the epitaxial crystallization of Î² form isotactic polypropylene: From experimental observations to molecular mechanics computation. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 418-424.	2.1	16
298	Direct Relationship Between Interfacial Microstructure and Confined Crystallization in Poly(Ethylene Oxide)/Silica Composites: The Study of Polymer Molecular Weight Effects. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1608-1616.	2.1	16
299	Nanostructures and Dynamics of Isochorically Confined Amorphous Drug Mediated by Cooling Rate, Interfacial, and Intermolecular Interactions. Journal of Physical Chemistry B, 2017, 121, 10704-10716.	2.6	16
300	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.	4.4	16
301	Effect of shear rate and pressure on the crystallization of PP nanocomposites and PP/PET polymer blend nanocomposites. Polymer, 2020, 186, 121950.	3.8	16
302	Ultrasmall SnO₂ nanocrystals embedded in porous carbon as potassium ion battery anodes with long-term cycling performance. New Journal of Chemistry, 2020, 44, 11678-11683.	2.8	16
303	Nucleation of Poly(lactide) Partially Wet Droplets in Ternary Blends with Poly(butylene succinate) and Poly(Îµ-caprolactone). Macromolecules, 2020, 53, 1726-1735.	4.8	16
304	Direct Relationship between Dispersion and Crystallization Behavior in Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (oxid	4.8	16
305	Study of the interlayer adhesion and warping during material extrusion-based additive manufacturing of a carbon nanotube/biobased thermoplastic polyurethane nanocomposite. Polymer, 2021, 224, 123734.	3.8	16
306	Surface Nucleation of Dispersed Polyethylene Droplets in Immiscible Blends Revealed by Polypropylene Matrix Self-Nucleation. Macromolecules, 2021, 54, 9100-9112.	4.8	16

#	Article	IF	Citations
307	Accelerating the crystallization kinetics of linear polylactides by adding cyclic poly (-lactide): Nucleation, plasticization and topological effects. International Journal of Biological Macromolecules, 2021, 186, 255-267.	7.5	16
308	The effect of hydrolytic degradation on the tensile properties of neat and reinforced Poly(p-dioxanone). Polymer Bulletin, 2002, 48, 291-298.	3.3	15
309	Synthesis of Conducting Polymer Spiral Nanostructures Using a Surfactant Crystallite Template. Macromolecular Chemistry and Physics, 2009, 210, 936-941.	2.2	15
310	Determination of Moisture Sorption Characteristics of Oat Flour by Static and Dynamic Techniques with and Without Thymol as an Antimicrobial Agent. Food Biophysics, 2011, 6, 424-432.	3.0	15
311	Computer simulations of the early stages of crystal nucleation of linear and short chain branched polyethylene on carbon nanotubes. European Polymer Journal, 2014, 56, 194-204.	5.4	15
312	Synthesis of polymer with defined fluorescent end groups via reversible addition fragmentation transfer polymerization for characterizing the conformations of polymer chains in solutions. Journal of Polymer Science Part A, 2016, 54, 2413-2420.	2.3	15
313	A complete <scp>TSDC</scp> description of molecular mobilities in polylactide/starch blends from local to normal modes: Effect of composition, moisture, and crystallinity. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 680-691.	2.1	15
314	Competition between supernucleation and plasticization in the crystallization and rheological behavior of PCL/CNT-based nanocomposites and nanohybrids. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1310-1325.	2.1	15
315	Crystallization kinetics of polylactide: Reactive plasticization and reprocessing effects. Polymer Degradation and Stability, 2018, 148, 56-66.	5.8	15
316	Crystallization and Stereocomplexation of PLA-mb-PBS Multi-Block Copolymers. Polymers, 2018, 10, 8.	4.5	15
317	Effects and limits of highly efficient nucleating agents in thermoplastic polyurethane. Polymer, 2019, 180, 121676.	3.8	15
318	How Confinement Affects the Nucleation, Crystallization, and Dielectric Relaxation of Poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2019, 35, 15168-15179.	3.5	15
319	Organocatalyzed Polymerization of PET-mb-poly(oxyhexane) Copolymers and Their Self-Assembly into Double Crystalline Superstructures. Macromolecules, 2019, 52, 6834-6848.	4.8	15
320	A tailor-made Successive Self-nucleation and Annealing protocol for the characterization of recycled polyolefin blends. Polymer, 2020, 203, 122791.	3.8	15
321	Continuous Cooling Curve Diagrams of Isotactic-Polypropylene/Polyethylene Blends: Mutual Nucleating Effects under Fast Cooling Conditions. Macromolecules, 2021, 54, 4834-4846.	4.8	15
322	Synthesis, Structure, Crystallization and Mechanical Properties of Isodimorphic PBS-ran-PCL Copolyesters. Polymers, 2021, 13, 2263.	4.5	15
323	Competition between Chain Extension and Crosslinking in Polyamide 1012 during High-Temperature Thermal Treatments as Revealed by Successive Self-Nucleation and Annealing Fractionation. Macromolecules, 2021, 54, 7552-7563.	4.8	15
324	Enhanced and Reusable Poly(hydroxy urethane)-Based Low Temperature Hot-Melt Adhesives. ACS Polymers Au, 2022, 2, 194-207.	4.1	15

#	Article	IF	Citations
325	Flow of monodisperse polystyrene solutions through porous media. Colloid and Polymer Science, 1994, 272, 1224-1233.	2.1	14
326	Thermal and selfâ€nucleation behavior of molecular complexes formed by pâ€nitrophenol and the poly(ethylene oxide) end block within an ABC triblock copolymer. Macromolecular Symposia, 2002, 183, 179-184.	0.7	14
327	Evaluation of the potential of novel PCL-PPDX biodegradable scaffolds as support materials for cartilage tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, 272-279.	2.7	14
328	Influence of soft block crystallization on microstructural variation of double crystalline poly(etherâ€) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	14
329	Morphology, Nucleation, and Isothermal Crystallization Kinetics of Poly(Butylene Succinate) Mixed with a Polycarbonate/MWCNT Masterbatch. Polymers, 2018, 10, 424.	4.5	14
330	Melt Memory Effects in Poly(butylene succinate) Studied by Differential Fast Scanning Calorimetry. Polymers, 2020, 12, 2796.	4.5	14
331	Experimental analysis of the grafting products of diethyl maleate onto linear and branched polyethylenes. Polymer, 2002, 43, 2151-2159.	3.8	13
332	Rheological Behavior of Bigrafted Hydrophobically Modified Polyelectrolyte. Macromolecules, 2009, 42, 4914-4917.	4.8	13
333	Thermoresponsive surface prepared by atom transfer radical polymerization directly from poly(vinylidene fluoride) for control of cell adhesion and detachment. Journal of Applied Polymer Science, 2010, 115, 976-980.	2.6	13
334	Tracking the interdiffusion of polymers at a molecular level by¹H dipolar filter solid-state NMR under fast magic angle spinning. Soft Matter, 2011, 7, 691-697.	2.7	13
335	Shear rheology of anionic and zwitterionic modified polyacrylamides. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 373, 66-73.	4.7	13
336	Self-assembly of semicrystalline PE-b-PS diblock copolymers within AAO nanoporous templates. Polymer, 2015, 70, 282-289.	3.8	13
337	New Double-Infiltration Methodology to Prepare PCLâ€“PS Coreâ€“Shell Nanocylinders Inside Anodic Aluminum Oxide Templates. Langmuir, 2016, 32, 7860-7865.	3.5	13
338	Crystallization kinetics of ethylene-co-propylene rubber/isotactic polypropylene blend investigated via chip-calorimeter measurement. European Polymer Journal, 2017, 96, 79-86.	5.4	13
339	Crystallization and Morphology of Block Copolymers and Terpolymers With More Than One Crystallizable Block. , 2018, , 123-180.		13
340	Crystallization kinetics as a sensitive tool to detect degradation in poly(lactide)/poly(Îµ-caprolactone)/ PCL-co-PC copolymers blends. Polymer Degradation and Stability, 2019, 168, 108939.	5.8	13
341	Influence of Chain Primary Structure and Topology (Branching) on Crystallization and Thermal Properties: The Case of Polysulfides. Macromolecules, 2019, 52, 2093-2104.	4.8	13
342	A Chitosan/Poly(ethylene oxide)â€Based Hybrid Polymer Composite Electrolyte Suitable for Solidâ€State Lithium Metal Batteries. ChemistrySelect, 2020, 5, 2878-2885.	1.5	13

#	Article	IF	Citations
343	Flow of mixtures of poly(ethylene oxide) and hydrolyzed polyacrylamide solutions through porous media. Journal of Applied Polymer Science, 1999, 72, 783-795.	2.6	12
344	Local and segmental dynamics in homopolymer and triblock copolymers with one semicrystalline block. Physical Review E, 2002, 65, 021807.	2.1	12
345	Physical properties of PVA/PSSNa blends. Journal of Applied Polymer Science, 2003, 88, 79-87.	2.6	12
346	Synergistic effects in flows of mixtures of wormlike micelles and hydroxyethyl celluloses with or without hydrophobic modifications. Journal of Colloid and Interface Science, 2008, 322, 65-72.	9.4	12
347	Piezoresistive behavior of epoxy matrixâ€carbon fiber composites with different reinforcement arrangements. Journal of Applied Polymer Science, 2009, 111, 2851-2858.	2.6	12
348	Primary and secondary dielectric relaxations in semi-crystalline and amorphous starch. European Polymer Journal, 2009, 45, 1506-1515.	5.4	12
349	Crystallization Kinetics of Poly(ethylene oxide) under Confinement in Nanoporous Alumina Studied by in Situ X-ray Scattering and Simulation. Langmuir, 2019, 35, 11799-11808.	3.5	12
350	Generating Triple Crystalline Superstructures in Melt Miscible PEOâ€bâ€PCLâ€bâ€PLLA Triblock Terpolymers by Controlling Thermal History and Sequential Crystallization. Macromolecular Chemistry and Physics, 2019, 220, 1900292.	2.2	12
351	Fully Reversible Spherulitic Morphology in Cationically Photopolymerized DGEBA/PCL Shape-Memory Blends. Macromolecules, 2020, 53, 1368-1379.	4.8	12
352	Composition dependent miscibility in the crystalline state of polyamide 6 /polyamide 4,10 blends: From single to double crystalline blends. Polymer, 2021, 219, 123570.	3.8	12
353	Suppression of the Self-Nucleation Effect of Semicrystalline Polymers by Confinement. Macromolecules, 2021, 54, 3810-3821.	4.8	12
354	Evidences of the crystalline memory and recrystallisation capacity of bisphenol-A polycarbonate. Journal of Theoretical Biology, 1997, 50, 593-602.	1.7	11
355	The Rheology of Polymer Solutions in Porous Media. , 1999, , 335-393.		11
356	cis-Dichlorobis(triethylarsine)platinum(II) andcis-dichlorobis(triethylphosphine)platinum(II). Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 1405-1407.	0.4	11
357	Elongational Flow of Solutions Containing Poly(ethylene oxide)/Sodium Dodecyl Sulfate Complexes in the Presence of n-Alkanols. Journal of Colloid and Interface Science, 2001, 244, 164-172.	9.4	11
358	Effect of ethanol addition on the elongational flow behavior of aqueous solutions of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.3	11
359	Shear and extensional rheology of solutions of mixtures of poly(ethylene oxide) and anionic surfactants in ionic environments. Journal of Colloid and Interface Science, 2008, 326, 254-260.	9.4	11
360	Glass transitions and physical aging of cassava starch â€“ Corn oil blends. Carbohydrate Polymers, 2014, 105, 244-252.	10.2	11

#	Article	IF	Citations
361	The influence of short-chain branching on the morphology and structure of polyethylene single crystals. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1751-1762.	2.1	11
362	Thermal degradation of high-impact polystyrene with pro-oxidant additives. Polymer Bulletin, 2019, 76, 1489-1515.	3.3	11
363	Mechanisms of Directional Polymer Crystallization. ACS Macro Letters, 2020, 9, 1007-1012.	4.8	11
364	The role of intermolecular interactions on melt memory and thermal fractionation of semicrystalline polymers. Journal of Chemical Physics, 2022, 156, 144902.	3.0	11
365	Temperature modulated DSC for composition analysis of recycled polyolefin blends. Polymer Testing, 2022, 113, 107656.	4.8	11
366	Monitoring abiotic degradation of branched polyethylenes formulated with pro-oxidants through different mechanical tests. Polymer Degradation and Stability, 2013, 98, 1705-1716.	5.8	10
367	Degradation of styrene butadiene rubber (SBR) in anaerobic conditions. Polymer Degradation and Stability, 2015, 111, 159-168.	5.8	10
368	The Effect of Titanium Dioxide Surface Modification on the Dispersion, Morphology, and Mechanical Properties of Recycled PP/PET/TiO2 PBNANOs. Polymers, 2019, 11, 1692.	4.5	10
369	Isothermal Crystallization Kinetics and Morphology of Double Crystalline PCL/PBS Blends Mixed with a Polycarbonate/MWCNTs Masterbatch. Polymers, 2019, 11, 682.	4.5	10
370	Crystallization Rate Minima of Poly(ethylene brassylate) at Temperatures Transitioning between Quantized Crystal Thicknesses. Macromolecules, 2022, 55, 3958-3973.	4.8	10
371	A study on the compatibility of poly(methyl methacrylate)/methyl methacrylateâ€"styrene random copolymer blends. Journal of Materials Science Letters, 1986, 5, 313-314.	0.5	9
372	Control of the Geometry of the Adsorbed Thin Layer by the Depletion Interaction. Journal of the American Chemical Society, 2003, 125, 11774-11775.	13.7	9
373	Morphology of ABCD Tetrablock Copolymers Predicted by Self-Consistent Field Theory. Macromolecular Theory and Simulations, 2005, 14, 256-266.	1.4	9
374	Changes in crystalline morphology, thermal, and mechanical properties with hydrolytic degradation of immiscible biodegradable PPDX/PCL blends. Journal of Applied Polymer Science, 2008, 110, 3848-3858.	2.6	9
375	Confinement Induced First Order Crystallization Kinetics for the Poly(ethylene oxide) Block within A PEOâ€bâ€PB Diblock Copolymer Infiltrated within Alumina Nanoâ€Porous Template. Macromolecular Symposia, 2014, 337, 109-115.	0.7	9
376	Fast-scan chip-calorimeter measurement on the melting behaviors of melt-crystallized syndiotactic polystyrene. Journal of Thermal Analysis and Calorimetry, 2014, 118, 1531-1536.	3.6	9
377	The effect of the solvent employed in the synthesis of hydrogels of poly (acrylamide-co-methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Journal, 2017, 88, 148-160.	5.4	9
378	How cyclic chain topology can reduce the crystallization rate of poly(3-hexylthiophene) and promote the formation of liquid crystalline phases in comparison with linear analogue chains. Journal of Materials Chemistry C, 2019, 7, 6548-6558.	5.5	9

#	Article	IF	Citations
379	Effect of Core Nanostructure on the Thermomechanical Properties of Soft Nanoparticles. Chemistry of Materials, 2020, 32, 518-528.	6.7	9
380	Analysis of plasticization and reprocessing effects on the segmental cooperativity of polylactide by dielectric thermal spectroscopy. Polymer, 2021, 223, 123701.	3.8	9
381	Crystallization of a Self-Assembling Nucleator in Poly(<scp>l</scp>-lactide) Melt. Crystal Growth and Design, 2021, 21, 5880-5888.	3.0	9
382	Asymmetric Co-unit Inclusion in Statistical Copolyesters. Macromolecules, 2021, 54, 835-845.	4.8	9
383	Competing crystallization of Î±- and Î²-phase induced by Î²-nucleating agents in microdroplets of isotactic polypropylene. CrystEngComm, 2022, 24, 1966-1978.	2.6	9
384	On novel hydrogels based on poly(2-hydroxyethyl acrylate) and polycaprolactone with improved mechanical properties prepared by frontal polymerization. European Polymer Journal, 2022, 171, 111226.	5.4	9
385	Influence of the hydrocarbon chain length in the phase transition from solid to liquid-crystal in n-alkylammonium chlorides. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 164, 47-53.	4.7	8
386	Use of modified poly(Ïµâ€caprolactone) in the compatibilization of poly(Ïµâ€caprolactone)/maize starch blends. Journal of Applied Polymer Science, 2008, 109, 4089-4098.	2.6	8
387	Lowâ€temperature processing of polymer nanoparticles for bioactive composites. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2514-2520.	2.1	8
388	Phase separation dynamics of a poly(vinyl methyl ether)/polystyrene (<scp>PVME/PS</scp>) blend studied by ultrafast differential scanning calorimetry. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1357-1364.	2.1	8
389	A Coldâ€Flow Process for Fabricating a Highâ€Volumetricâ€Energyâ€Density Anode for Lithiumâ€Ion Batteries. Advanced Materials Technologies, 2017, 2, 1600156.	5.8	8
390	Synthesis of Siteâ€Specific Dyeâ€Labeled Polymer via Atom Transfer Radical Polymerization (ATRP) for Quantitative Characterization of the Wellâ€Defined Interchain Distance. Macromolecular Rapid Communications, 2017, 38, 1600568.	3.9	8
391	Conformational Transitions of Polymer Chains in Solutions Characterized by Fluorescence Resonance Energy Transfer. Polymers, 2018, 10, 1007.	4.5	8
392	Nucleation and Crystallization in Bio-Based Immiscible Polyester Blends. Advances in Polymer Science, 2019, , 219-256.	0.8	8
393	Direct identification of three crystalline phases in PEO-b-PCL-b-PLLA triblock terpolymer by In situ hot-stage atomic force microscopy. Polymer, 2020, 205, 122863.	3.8	8
394	4-Miktoarm star architecture induces PVDF Î²-phase formation in (PVDF)₂-b-(PEO)₂ miktoarm star copolymers. Journal of Materials Chemistry C, 2020, 8, 13786-13797.	5.5	8
395	Sequential Crystallization and Multicrystalline Morphology in PE-b-PEO-b-PCL-b-PLLA Tetrablock Quarterpolymers. Macromolecules, 2021, 54, 7244-7257.	4.8	8
396	Phase Transitions in Poly(vinylidene fluoride)/Polymethylene-Based Diblock Copolymers and Blends. Polymers, 2021, 13, 2442.	4.5	8

#	Article	IF	Citations
397	Solidâ€“Solid Crystal Transitions (Î´ to Î±) in Poly(hexamethylene carbonate) and Poly(octamethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 422 Td	4.8	8
398	Quantifying Nanoparticle Ordering Induced by Polymer Crystallization. ACS Nano, 2021, 15, 14430-14443.	14.6	8
399	Influence of sideâ€chain isomerization on the isothermal crystallization kinetics of poly(3â€alkylthiophenes). Journal of Materials Research, 2021, 36, 191-202.	2.6	8
400	Crystallization kinetics and molecular dynamics of binary coamorphous systems of nimesulide and profen analogs. International Journal of Pharmaceutics, 2021, 610, 121235.	5.2	8
401	Electrochemical synthesis and properties of polybenzoxazine. Journal of Adhesion, 2003, 79, 351-360.	3.0	7
402	The influence of paraffin wax addition on the isothermal crystallization of LLDPE. Journal of Applied Polymer Science, 2017, 134, .	2.6	7
403	Effect of hydrogen bonding on the physicochemical and rheological features of chemically modified phenoxy. Polymer, 2018, 159, 12-22.	3.8	7
404	The Effect of the Cooling Rate on the Morphology and Crystallization of Triple Crystalline PE-b-PEO-b-PLLA and PE-b-PCL-b-PLLA Triblock Terpolymers. ACS Applied Polymer Materials, 2020, 2, 4952-4963.	4.4	7
405	Rheology of complex biobased quaternary blends: Poly(lactic acid) [poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 422 Td	2.6	7
406	Unexpected Structural Properties in the Saturation Region of the Oddâ€“Even Effects in Aliphatic Polyethers: Influence of Crystallization Conditions. Macromolecules, 2022, 55, 584-594.	4.8	7
407	Surface Roughness Enhances Self-Nucleation of High-Density Polyethylene Droplets Dispersed within Immiscible Blends. Macromolecules, 2022, 55, 1412-1423.	4.8	7
408	Facile construction of functional poly(monothiocarbonate) copolymers under mild operating conditions. Polymer Chemistry, 2022, 13, 3076-3090.	3.9	7
409	Effect of the structural features of biobased linear polyester plasticizers on the crystallization of polylactides. International Journal of Biological Macromolecules, 2022, 214, 128-139.	7.5	7
410	Turbulence suppression by polymer solutions in opposed jets flow. AICHE Journal, 1995, 41, 1333-1336.	3.6	6
411	Flow-induced degradation of hydrolyzed polyacrylamide in porous media. Polymer Bulletin, 1996, 37, 663-670.	3.3	6
412	Elongational Flow of Solutions of Poly(ethylene oxide) and Sulfonated Surfactants. Journal of Colloid and Interface Science, 2002, 251, 388-397.	9.4	6
413	Crystallization and Physical Ageing of Poly (2â€vinyl pyridine)â€bâ€poly(ethylene oxide) Diblock Copolymers. Macromolecular Symposia, 2010, 287, 101-106.	0.7	6
414	Dynamic rheology and relaxation time spectra of oil-based self-degradable gels. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 433-444.	2.1	6

#	Article	IF	Citations
415	<scp>SSA</scp> fractionation of thermoplastic polyurethanes. Polymer Crystallization, 2021, 4, .	0.8	6
416	Revisiting Polymerâ€“Particle Interaction in PEO Solutions. Langmuir, 2021, 37, 3808-3816.	3.5	6
417	Nanostructural organization of thin films prepared by sequential dip-coating deposition of poly(butylene succinate), poly(Îµ-caprolactone) and their copolyesters (PBS-ran-PCL). Polymer, 2021, 226, 123812.	3.8	6
418	Using Successive Self-Nucleation and Annealing to Detect the Solidâ€“Solid Transitions in Poly(hexamethylene carbonate) and Poly(octamethylene carbonate). Macromolecules, 2021, 54, 9670-9680.	4.8	6
419	Mastering Superior Performance Origins of Ionic Polyurethane/Silica Hybrids. ACS Applied Polymer Materials, 2021, 3, 6684-6693.	4.4	6
420	Rheology and Tack Properties of Biodegradable Isodimorphic Poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (succinate)-Ra Polymers, 2022, 14, 623.	4.5	6
421	Improving the Mechanical Performance of LDPE/PP Blends through Microfibrillation. ACS Applied Polymer Materials, 2022, 4, 3369-3379.	4.4	6
422	Depletion Effect on Supermolecular Assembly:Â A Control of Geometry of Adsorbed Molecules. Journal of Physical Chemistry B, 2004, 108, 5153-5156.	2.6	5
423	Optimization of the coordination-insertion ring-opening polymerization of poly(p-dioxanone) by programmed decreasing reaction temperatures. Journal of Applied Polymer Science, 2005, 97, 659-665.	2.6	5
424	Entropic depletion effect on supermolecular assembly: control of geometry of adsorbed molecules in coatings. Journal of Raman Spectroscopy, 2005, 36, 699-703.	2.5	5
425	Instability of styrene/polystyrene/polybutadiene/polystyreneâ€bâ€polybutadiene emulsions that emulate styrene polymerization in the presence of polybutadiene. Polymer Engineering and Science, 2013, 53, 1886-1900.	3.1	5
426	Complex microstructures of ABC triblock copolymer thin films directed by polymer brushes based on self-consistent field theory. Nanoscale Research Letters, 2014, 9, 359.	5.7	5
427	Thermal and tensile properties of corn semolina-protein blends in the glassy state. Journal of Food Engineering, 2015, 165, 93-103.	5.2	5
428	Nanoporous iron oxide@carbon composites with low carbon content as high-performance anodes for lithium-ion batteries. RSC Advances, 2015, 5, 89092-89098.	3.6	5
429	Structural Transitions in Solution-Cast Films of a New AABB Type Thiophene Copolymer. Macromolecules, 2016, 49, 8653-8660.	4.8	5
430	New habits in branched polyethylene single crystals. European Polymer Journal, 2016, 80, 169-174.	5.4	5
431	Associated interâ€•and intrachain conformational transitions in polystyrene solutions. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1373-1379.	2.1	5
432	High trans-Selectivity in Boron-Catalyzed Polymerization of Allylic Arsonium Ylide and its Contribution to Thermal Properties of C3-Polymers. Macromolecules, 2020, 53, 10718-10724.	4.8	5

#	Article	IF	Citations
433	Nucleation and crystallization of isotactic poly(propylene) droplets in an immiscible polystyrene matrix. Macromolecular Chemistry and Physics, 2000, 201, 2493-2504.	2.2	5
434	Polycaprolactone Adsorption and Nucleation onto Graphite Nanoplates for Highly Flexible, Thermally Conductive, and Thermomechanically Stiff Nanopapers. ACS Applied Materials & Interfaces, 2021, , .	8.0	5
435	Miscibility study of low molecular weight polystyrene/styrene-methyl methacrylate random copolymer blend using DSC. Journal of Materials Science Letters, 1986, 5, 1193-1194.	0.5	4
436	Flow of solutions of hydroxypropyl guar-poly(ethylene oxide) mixtures through a porous medium. Polymer Bulletin, 1994, 33, 717-724.	3.3	4
437	Probing the Contraction and Association of Polystyrene Chains in Semidilute Solution by Nonâ€Radiative Energy Transfer. Macromolecular Rapid Communications, 2008, 29, 160-164.	3.9	4
438	Synthesis of amphiphilic dendrons and their interactions in aqueous solutions with cetyltrimethylammonium p-toluenesulfonate (CTAT). Journal of Colloid and Interface Science, 2009, 336, 462-469.	9.4	4
439	Relaxation time spectra from short frequency range small-angle dynamic rheometry. Rheologica Acta, 2014, 53, 385-399.	2.4	4
440	Implications of Non-Equilibrium State Glass Transitions on Carbohydrate Polymers. , 2017, , 175-207.		4
441	Elaboration and Characterization of Conductive Polymer Nanocomposites with Potential Use as Electrically Driven Membranes. Polymers, 2019, 11, 1180.	4.5	4
442	Differential scanning calorimetry study of crossâ€nucleation between polymorphs in isotactic poly(1â€butene). Polymer International, 2019, 68, 257-262.	3.1	4
443	ROP and crystallization behaviour of partially renewable triblock aromatic-aliphatic copolymers derived from L-lactide. European Polymer Journal, 2020, 122, 109321.	5.4	4
444	Renewable and Tough Poly(<scp>l</scp>-lactic acid)/Polyurethane Blends Prepared by Dynamic Vulcanization. ACS Omega, 2020, 5, 26421-26430.	3.5	4
445	Thermo-rheological effects on successful 3D printing of biodegradable polyesters. Additive Manufacturing, 2020, 36, 101408.	3.0	4
446	Extending Cooling Rate Performance of Fast Scanning Chip Calorimetry by Liquid Droplet Cooling. Applied Sciences (Switzerland), 2021, 11, 3813.	2.5	4
447	Polyether Single and Double Crystalline Blends and the Effect of Lithium Salt on Their Crystallinity and Ionic Conductivity. Polymers, 2021, 13, 2097.	4.5	4
448	Crystallization and Morphology of Triple Crystalline Polyethylene-b-poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (oxide)-b	4.5	4
449	Thermoreversible gel formation in poly(ethylene terephthalate)/epoxy resin solutions. Macromolecular Chemistry and Physics, 1996, 197, 2149-2154.	2.2	3
450	Dielectric Relaxations in Structurally Disordered Materials. Radiation Effects and Defects in Solids, 2003, 158, 335-342.	1.2	3

#	Article	IF	Citations
451	Preparation of Size Controllable Polypyrrole Sub-Microcapsules Using SEBS Copolymer as the Building Block. Macromolecular Rapid Communications, 2006, 27, 328-332.	3.9	3
452	Reorganization of Lamellar Diblock Copolymer Poly(Îµâ€caprolactone)â€blockâ€poly(4â€vinylpyridine) in the Melting Temperature Range. Macromolecular Chemistry and Physics, 2015, 216, 2211-2220.	2.2	3
453	Partitioning of the components into two-demixed-macrophases from a solution blend emulating high impact polystyrene close to the phase inversion region. Polymer, 2020, 198, 122523.	3.8	3
454	Miscibility, Morphology, and Crystallization Kinetics of Biodegradable Poly(Îµ-caprolactone)/Ascorbic Acid Blends. ACS Applied Polymer Materials, 2022, 4, 301-312.	4.4	3
455	Crystallization behavior of polyethylene/polystyrene A_mB_n miktoarm star copolymers. Polymers for Advanced Technologies, 2014, 25, 1257-1263.	3.2	2
456	Introduction to the â€œThe effects of confinement on polymeric thermal transitions and nanostructuringâ€•Special Volume. Progress in Polymer Science, 2016, 54-55, 1-2.	24.7	2
457	Ion-macromolecule interactions studied with model polyurethanes. Journal of Colloid and Interface Science, 2018, 509, 102-112.	9.4	2
458	Nucleation modalities in poly(lactide), poly(butylene succinate), and poly(Îµâ€caprolactone) ternary blends with partial wetting morphology. Polymer Crystallization, 2020, 3, e10145.	0.8	2
459	Influence of side-chain isomerization on the isothermal crystallization kinetics of poly(3-alkylthiophenes). Journal of Materials Research, 2021, 36, 1-12.	2.6	2
460	Self-assembly and crystallization of double crystalline aliphatic thermoplastic biopolyurethane and its nucleation with cellulose nanocrystals. Polymer, 2022, 241, 124521.	3.8	2
461	Fast successive selfâ€nucleation and annealing (SSA) thermal fractionation protocol for the characterization of polyolefin blends from mechanical recycling. Journal of Polymer Science, 0, , .	3.8	2
462	In Situ Atomic Force Microscopy Tracking of Nanoparticle Migration in Semicrystalline Polymers. ACS Macro Letters, 2022, 11, 818-824.	4.8	2
463	Organizing Nanoparticles in Semicrystalline Polymers by Modifying Particle Diffusivity. ACS Macro Letters, 2022, 11, 882-888.	4.8	2
464	Flow of mixtures of poly(ethylene oxide) and hydrolyzed polyacrylamide solutions through opposed jets. Journal of Applied Polymer Science, 2000, 76, 1910-1919.	2.6	1
465	Dependences of Confining Size and Interfacial Curvature on the Glass Transition of Polydimethylsiloxane in Selfâ€Assembled Block Copolymers. Macromolecular Chemistry and Physics, 2018, 219, 1700518.	2.2	1
466	Fractionated crystallisation of polyethylene and ethylene/-olefin copolymers dispersed in immiscible polystyrene matrices. Macromolecular Chemistry and Physics, 1999, 200, 2559-2576.	2.2	1
467	Crystallization of the polyethylene block in polystyrene-b-polyethylene-b-polycaprolactone triblock copolymers, 1. Self-nucleation behavior. Macromolecular Chemistry and Physics, 2000, 201, 2711-2720.	2.2	1
468	The Influence of Thermal Treatments on Anchor Effect in NMT Products. Polymers, 2022, 14, 1652.	4.5	1

#	Article	IF	Citations
469	Study of Failure Factors for the Collapse of PVDF Pipelines. Microscopy and Microanalysis, 2007, 13, .	0.4	0
470	Nanostructured hybrid fluids of amphiphilic diblock copolymers and surfactant worm-like micelles complexes. European Polymer Journal, 2019, 113, 395-403.	5.4	0
471	Cover Image, Volume 68, Issue 2. Polymer International, 2019, 68, i-i.	3.1	0
472	Peculiar selfâ€•nucleation behavior of a polybuteneâ€1/ethylene random copolymer. Polymer Crystallization, 2021, 4, e10201.	0.8	0
473	Desarrollo de prÃ³tesis de nÃºcleo pulposo â€" Modelo de elementos finitos de una unidad funcional de la columna vertebral y caracterizaciÃ³n de materiales. IFMBE Proceedings, 2007, , 681-685.	0.3	0
474	Two-Dimensional Flow of Polymer Solutions Through Porous Media. Journal of Porous Media, 1999, 2, 251-262.	1.9	0
475	Special Issue in: Organocatalyzed polymerizations. European Polymer Journal, 2017, 95, 625-627.	5.4	0