Alejandro J MÃ¼ller

List of Publications by Year
in descending order

475 papers	18,643 citations	14614 66 h-index	28224 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.	6.0	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.	2.3	552
3	Thermal fractionation of polymers. Progress in Polymer Science, 2005, 30, 559-603.	11.8	326
4	Successive self-nucleation/annealing (SSA): A novel technique to study molecular segregation during crystallization. Polymer Bulletin, 1997, 39, 465-472.	1.7	273
5	Confined crystallization of polymeric materials. Progress in Polymer Science, 2016, 54-55, 183-213.	11.8	257
6	Multi-scale ordering in highly stretchable polymer semiconducting films. Nature Materials, 2019, 18, 594-601.	13.3	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.	11.8	227
9	Homogeneous Nucleation and Fractionated Crystallization in Block Copolymersâ€. Macromolecules, 2002, 35, 3048-3058.	2.2	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.	2.4	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.	2.2	192
12	Organocatalysed depolymerisation of PET in a fully sustainable cycle using thermally stable protic ionic salt. Green Chemistry, 2018, 20, 1205-1212.	4.6	182
13	Confinement effects on polymer crystallization: From droplets toÂalumina nanopores. Polymer, 2013, 54, 4059-4077.	1.8	168
14	Nucleation and Crystallization in Double Crystalline Poly(p-dioxanone)-b-poly(Îµ-caprolactone) Diblock Copolymers. Macromolecules, 2003, 36, 1633-1644.	2.2	167
15	Crystallization Kinetics and Morphology of Biodegradable Double Crystalline PLLA-b-PCL Diblock Copolymers. Macromolecules, 2010, 43, 4149-4160.	2.2	163
16	Rheology, Processing, Tensile Properties, and Crystallization of Polyethylene/Carbon Nanotube Nanocomposites. Macromolecules, 2009, 42, 4719-4727.	2.2	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.	2.2	152
18	Self-Nucleation Effects on Polymer Crystallization. Macromolecules, 2020, 53, 4581-4604.	2.2	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.	2.6	139
20	Evaluation of the fractionated crystallization of dispersed polyolefins in a polystyrene matrix. Macromolecular Chemistry and Physics, 1998, 199, 2275-2288.	1.1	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.	1.6	135
22	Use of rheological compatibility criteria to study SBS modified asphalts. Journal of Applied Polymer Science, 2003, 90, 1772-1782.	1.3	127
23	Glass transition temperatures and water sorption isotherms of cassava starch. Carbohydrate Polymers, 2009, 76, 305-313.	5.1	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.	2.2	120
26	Degradation of polymer solutions in extensional flows. Macromolecules, 1990, 23, 3092-3103.	2.2	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.	2.4	113
28	Homogeneous nucleation of the dispersed crystallisable component of immiscible polymer blends. Polymer Bulletin, 1994, 32, 471-477.	1.7	112
29	Double Glass Transition Temperatures of Poly(methyl methacrylate) Confined in Alumina Nanotube Templates. Macromolecules, 2014, 47, 297-303.	2.2	112
30	Crystallisation and morphology of poly(p-dioxanone). Macromolecular Chemistry and Physics, 2000, 201, 2687-2698.	1.1	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.	1.1	106
32	Confined Crystallization and Morphology of Melt Segregated PLLA-b-PE and PLDA-b-PE Diblock Copolymers. Macromolecules, 2008, 41, 6154-6164.	2.2	106
33	Supernucleation and crystallization regime change provoked by MWNT addition to poly(Îµ-caprolactone). Polymer, 2012, 53, 832-841.	1.8	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.	2.2	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.	2.6	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.	2.0	96

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37	Thermal Fractionation and Isothermal Crystallization of Polyethylene Nanocomposites Prepared by in Situ Polymerization. Macromolecules, 2008, 41, 2087-2095.	2.2	94
38	Influence of in Vitro Hydrolytic Degradation on the Morphology and Crystallization Behavior of Poly(p-dioxanone). Biomacromolecules, 2004, 5, 358-370.	2.6	91
39	Nucleation and crystallization of isotactic poly(propylene) droplets in an immiscible polystyrene matrix. Macromolecular Chemistry and Physics, 2000, 201, 2493-2504.	1.1	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.	2.6	89
41	Synthesis and Characterization of Polystyrene-b-poly(ethylene oxide)-b-poly(Îµ-caprolactone) Block Copolymers. Macromolecules, 2001, 34, 7973-7982.	2.2	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.	1.1	88
43	Thermal, structural and rheological characteristics of dark chocolate with different compositions. Journal of Food Engineering, 2013, 116, 97-108.	2.7	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.	2.2	87
45	Crystallization, Morphology, and Enzymatic Degradation of Polyhydroxybutyrate/Polycaprolactone (PHB/PCL) Blends. Macromolecular Chemistry and Physics, 2007, 208, 924-937.	1.1	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.	4.0	85
47	Tacky Elastomers to Enable Tearâ€Resistant and Autonomous Selfâ€Healing Semiconductor Composites. Advanced Functional Materials, 2020, 30, 2000663.	7.8	85
48	Self-Nucleation of Crystalline Phases Within Homopolymers, Polymer Blends, Copolymers, and Nanocomposites. Advances in Polymer Science, 2015, , 215-256.	0.4	84
49	Abiotic degradation of LDPE and LLDPE formulated with a pro-oxidant additive. Polymer Degradation and Stability, 2013, 98, 490-501.	2.7	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.	1.8	82
51	A Comparative Study on the Crystallization Behavior of Analogous Linear and Cyclic Poly(Îµ-caprolactones). Macromolecules, 2011, 44, 1742-1746.	2.2	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.	2.2	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.	1.8	79
54	Probing the Viscoelastic Property of Pseudo Freeâ€Standing Conjugated Polymeric Thin Films. Macromolecular Rapid Communications, 2018, 39, e1800092.	2.0	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.	5.0	78
56	Self-nucleation of isotactic poly(1-butene) in the trigonal modification. Polymer, 2014, 55, 137-142.	1.8	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.	2.2	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.	1.1	76
59	Rheology of aqueous solutions of hydrophobically modified polyacrylamides and surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 295, 99-106.	2.3	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.	1.1	74
61	Fractionated crystallisation of polyethylene and ethylene/Î±-olefin copolymers dispersed in immiscible polystyrene matrices. Macromolecular Chemistry and Physics, 1999, 200, 2559-2576.	1.1	73
62	Shear and extensional rheology of solutions of modified hydroxyethyl celluloses and sodium dodecyl sulfate. Polymer, 2002, 43, 6481-6493.	1.8	73
63	A high performance SnO₂/C nanocomposite cathode for aluminum-ion batteries. Journal of Materials Chemistry A, 2019, 7, 7213-7220.	5.2	73
64	The influence of nanosilica on the nucleation, crystallization andÂtensile properties of PPâ€“PC and PPâ€“PA blends. Polymer, 2013, 54, 3982-3993.	1.8	72
65	Nucleation and Antinucleation Effects of Functionalized Carbon Nanotubes on Cyclic and Linear Poly(Îµ-caprolactones). Macromolecules, 2014, 47, 3553-3566.	2.2	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.	2.2	69
67	Unexpected Synthesis of Segmented Poly(hydroxyureaâ€“urethane)s from Dicyclic Carbonates and Diamines by Organocatalysis. Macromolecules, 2018, 51, 5556-5566.	2.2	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.	2.6	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.	2.2	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.	1.7	67
71	Effect of the polyethylene confinement and topology on its crystallisation within semicrystalline ABC triblock copolymers. European Polymer Journal, 2004, 40, 1033-1049.	2.6	67
72	Heterogeneous nucleation and self-nucleation of poly(p-dioxanone). Journal of Materials Science, 2000, 35, 5071-5084.	1.7	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.	2.5	65
74	Crystallization of isodimorphic aliphatic random copolyesters: Pseudo-eutectic behavior and double-crystalline materials. European Polymer Journal, 2018, 101, 233-247.	2.6	65
75	Confined crystallization of polymers within anodic aluminum oxide templates. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 1179-1194.	2.4	64
76	New comb-like poly(n-alkyl itaconate)s with crystalizable side chains. Polymer, 2003, 44, 4969-4979.	1.8	63
77	Miscibility and Crystallization in Polycarbonate/Poly(Îµ-caprolactone) Blends:Â Application of the Self-Concentration Model. Macromolecules, 2005, 38, 5109-5117.	2.2	63
78	Tailoring the Morphology and Melting Points of Segmented Thermoplastic Polyurethanes by Self-Nucleation. Macromolecules, 2016, 49, 7952-7964.	2.2	63
79	Review on PCL, PBS, and PCL/PBS blends containing carbon nanotubes. EXPRESS Polymer Letters, 2018, 12, 505-529.	1.1	63
80	The origin of memory effects in the crystallization of polyamides: Role of hydrogen bonding. Polymer, 2020, 188, 122117.	1.8	61
81	Polycondensation as a Versatile Synthetic Route to Aliphatic Polycarbonates for Solid Polymer Electrolytes. Electrochimica Acta, 2017, 237, 259-266.	2.6	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.	1.1	59
83	On cross- and self-nucleation in seeded crystallization of isotactic poly(1-butene). Polymer, 2013, 54, 4637-4644.	1.8	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.	1.8	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.	2.2	57
87	Antinucleation Effect of the Polyethylene Block on the Polycaprolactone Block in ABC Triblock Copolymers. Macromolecules, 1998, 31, 7756-7763.	2.2	56
88	Differences between Isotropic and Self-Nucleated PCL Melts Detected by Dielectric Experiments. Macromolecules, 2018, 51, 3663-3671.	2.2	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.	2.4	55
90	Elongational flow and rheology of monodisperse polymers in solution. Journal of Non-Newtonian Fluid Mechanics, 1988, 30, 99-118.	1.0	54

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91	Thermomechanical degradation of macromolecules. Colloid and Polymer Science, 1992, 270, 307-324.	1.0	54
92	Effect of temperature, moisture and lipid content on the rheological properties of rice flour. Journal of Food Engineering, 2007, 78, 1159-1166.	2.7	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.	2.2	54
94	Characterization of Hydrogen Bonding Formation and Breaking in Semiconducting Polymers under Mechanical Strain. Macromolecules, 2019, 52, 2476-2486.	2.2	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.	1.1	52
97	Crystallisation and morphology of neat and degraded poly(p-dioxanone). Polymer Degradation and Stability, 2001, 73, 541-547.	2.7	52
98	The effect of hydrophobic modifications on the adsorption isotherms of cassava starch. Carbohydrate Polymers, 2010, 81, 660-667.	5.1	52
99	Thermal characterization of polycarbonate/polycaprolactone blends. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 771-785.	2.4	51
100	Microwave-assisted modification of starch for compatibilizing LLDPE/starch blends. Carbohydrate Polymers, 2009, 75, 343-350.	5.1	51
101	Thermorheologically Complex Self-Seeded Melts of Propyleneâ€“Ethylene Copolymers. Macromolecules, 2017, 50, 642-651.	2.2	51
102	Flow of polymer solutions through porous media. Journal of Non-Newtonian Fluid Mechanics, 1993, 49, 63-85.	1.0	50
103	Molecular Mobilities in Biodegradable Poly(dl-lactide)/Poly(Îµ-caprolactone) Blends. Macromolecules, 2009, 42, 5219-5225.	2.2	49
104	Influence of Chain Branching and Molecular Weight on Melt Rheology and Crystallization of Polyethylene/Carbon Nanotube Nanocomposites. Macromolecules, 2014, 47, 5668-5681.	2.2	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.	2.2	48
106	Fractionated crystallization in semicrystalline polymers. Progress in Polymer Science, 2021, 115, 101376.	11.8	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.	5.1	47
108	Kinetics of Cross-Nucleation in Isotactic Poly(1-butene). Macromolecules, 2014, 47, 870-873.	2.2	47

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109	Tuning Conjugated Polymer Chain Packing for Stretchable Semiconductors. Advanced Materials, 2022, 34, e2104747.	11.1	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.	2.3	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.	2.2	46
112	Effects of corn oil on glass transition temperatures of cassava starch. Carbohydrate Polymers, 2011, 85, 875-884.	5.1	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.	2.6	46
114	Toward the Prediction and Control of Glass Transition Temperature for Donorâ€“Acceptor Polymers. Advanced Functional Materials, 2020, 30, 2002221.	7.8	46
115	Recent Advances and Applications of â€œSuccessive Selfâ€Nucleation and Annealingâ€•(SSA) High Speed Thermal Fractionation. Macromolecular Symposia, 2009, 277, 207-214.	0.4	45
116	Comparing crystallization rates between linear and cyclic poly(epsilon-caprolactones) via fast-scan chip-calorimeter measurements. Polymer, 2015, 63, 34-40.	1.8	45
117	Correlation between Grafting Density and Confined Crystallization Behavior of Poly(ethylene glycol) Grafted to Silica. Macromolecules, 2019, 52, 1505-1516.	2.2	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.	1.1	44
119	Twoâ€Dimensional Covalent Organic Frameworks with Enhanced Aluminum Storage Properties. ChemSusChem, 2020, 13, 3447-3454.	3.6	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.	1.1	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.	0.4	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	2.6	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.	2.2	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.	2.6	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.	2.7	43
126	Interfacial nucleation in iPP/PB-1 blends promotes the formation of polybutene-1 trigonal crystals. Polymer, 2018, 138, 396-406.	1.8	43

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127	Chemical Structure Drives Memory Effects in the Crystallization of Homopolymers. Macromolecules, 2020, 53, 4874-4881.	2.2	43
128	Single crystals morphology of biodegradable double crystalline PLLA-b-PCL diblock copolymers. Polymer, 2011, 52, 5166-5177.	1.8	42
129	Clarifying the Origin of Multiple Melting of Segmented Thermoplastic Polyurethanes by Fast Scanning Calorimetry. Macromolecules, 2017, 50, 7672-7680.	2.2	42
130	Rheology of self-nucleated poly(É›-caprolactone) melts. European Polymer Journal, 2018, 99, 495-503.	2.6	42
131	Degradation of semidilute polymer solutions in elongational flows. Polymer, 1992, 33, 2598-2604.	1.8	41
132	Effect of the Flow Field on the Rheological Behavior of Aqueous Cetyltrimethylammoniump-Toluenesulfonate Solutions. Langmuir, 2004, 20, 3838-3841.	1.6	41
133	Moisture Sorption Characteristics of Starchy Products: Oat Flour and Rice Flour. Food Biophysics, 2009, 4, 151-157.	1.4	41
134	Hierarchically Diminishing Chirality Effects on Lamellar Assembly in Spherulites Comprising Chiral Polymers. Macromolecules, 2016, 49, 2698-2708.	2.2	41
135	Poly(butylene succinate-ran-Îµ-caprolactone) copolyesters: Enzymatic synthesis and crystalline isodimorphic character. European Polymer Journal, 2017, 95, 795-808.	2.6	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.	1.3	40
137	Interactions between Poly(ethylene Oxide) and Sodium Dodecyl Sulfate in Elongational Flows. Journal of Colloid and Interface Science, 2001, 236, 343-353.	5.0	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.	1.1	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.	1.1	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.	1.2	40
141	Reexamining the Crystallization of Poly(Îµ-caprolactone) and Isotactic Polypropylene under Hard Confinement: Nucleation and Orientation. Macromolecules, 2017, 50, 9015-9023.	2.2	40
142	Synthesis and characterization of isocyanate-free polyureas. Green Chemistry, 2018, 20, 243-249.	4.6	40
143	Promotion of Self-Nucleation with Latent Form I Nuclei in Polybutene-1 and Its Copolymer. Macromolecules, 2018, 51, 6037-6046.	2.2	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.	2.0	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.	0.7	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.	2.6	39
147	Properties of scaffolds prepared by fused deposition modeling of poly(hydroxyalkanoates). International Journal of Biological Macromolecules, 2020, 161, 364-376.	3.6	39
148	Application of the SSA calorimetric technique to characterize LLDPE grafted with diethyl maleate. Macromolecular Chemistry and Physics, 1999, 200, 330-337.	1.1	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.	5.0	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.	2.4	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.	2.2	38
152	Confined Crystallization of Polymers within Nanopores. Accounts of Chemical Research, 2021, 54, 3028-3038.	7.6	38
153	Nucleation and crystallization of PET droplets dispersed in an amorphous PC matrix. Journal of Applied Polymer Science, 1998, 70, 1725-1735.	1.3	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.	3.2	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.	2.5	36
156	Screening of different organocatalysts for the sustainable synthesis of PET. European Polymer Journal, 2018, 104, 170-176.	2.6	36
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