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	Tuning Conjugated Polymer Chain Packing for Stretchable Semiconductors. Advanced Materials, 2022, 34, e2104747.	21.0	47
2	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
3	Enhanced and Reusable Poly(hydroxy urethane)-Based Low Temperature Hot-Melt Adhesives. ACS Polymers Au, 2022, 2, 194-207.	4.1	15
4	Self-assembly and crystallization of double crystalline aliphatic thermoplastic biopolyurethane and its nucleation with cellulose nanocrystals. Polymer, 2022, 241, 124521.	3.8	2
5	Rheology and Tack Properties of Biodegradable Isodimorphic Poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (succi Polymers, 2022, 14, 623.	4.5	6
6	Surface Roughness Enhances Self-Nucleation of High-Density Polyethylene Droplets Dispersed within Immiscible Blends. Macromolecules, 2022, 55, 1412-1423.	4.8	7
7	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
8	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
9	The role of intermolecular interactions on melt memory and thermal fractionation of semicrystalline polymers. Journal of Chemical Physics, 2022, 156, 144902.	3.0	11
10	Crystallization kinetics and nanoparticle ordering in semicrystalline polymer nanocomposites. Progress in Polymer Science, 2022, 128, 101527.	24.7	21
11	Miscibility, Morphology, and Crystallization Kinetics of Biodegradable Poly(Îµ-caprolactone)/Ascorbic Acid Blends. ACS Applied Polymer Materials, 2022, 4, 301-312.	4.4	3
12	The Influence of Thermal Treatments on Anchor Effect in NMT Products. Polymers, 2022, 14, 1652.	4.5	1
13	Facile construction of functional poly(monothiocarbonate) copolymers under mild operating conditions. Polymer Chemistry, 2022, 13, 3076-3090.	3.9	7
14	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
15	Improving the Mechanical Performance of LDPE/PP Blends through Microfibrillation. ACS Applied Polymer Materials, 2022, 4, 3369-3379.	4.4	6
16	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
17	Crystallization Rate Minima of Poly(ethylene brassylate) at Temperatures Transitioning between Quantized Crystal Thicknesses. Macromolecules, 2022, 55, 3958-3973.	4.8	10
18	Temperature modulated DSC for composition analysis of recycled polyolefin blends. Polymer Testing, 2022, 113, 107656.	4.8	11

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19	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
20	In Situ Atomic Force Microscopy Tracking of Nanoparticle Migration in Semicrystalline Polymers. ACS Macro Letters, 2022, 11, 818-824.	4.8	2
21	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
22	Organizing Nanoparticles in Semicrystalline Polymers by Modifying Particle Diffusivity. ACS Macro Letters, 2022, 11, 882-888.	4.8	2
23	Evenâ€“Odd Effect in Aliphatic Polycarbonates with Different Chain Lengths: from Poly (Hexamethylene) Tj ETQq1 1 0.784314 rgBT /Ov	4.8	26
24	<scp>SSA</scp> fractionation of thermoplastic polyurethanes. Polymer Crystallization, 2021, 4, .	0.8	6
25	Flame retardant polyphosphoester copolymers as solid polymer electrolyte for lithium batteries. Polymer Chemistry, 2021, 12, 3441-3450.	3.9	23
26	Access to Biorenewable and CO₂-Based Polycarbonates from Exovinylene Cyclic Carbonates. ACS Sustainable Chemistry and Engineering, 2021, 9, 1714-1728.	6.7	22
27	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
28	Direct Relationship between Dispersion and Crystallization Behavior in Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (oxid	4.8	16
29	Revisiting Polymerâ€“Particle Interaction in PEO Solutions. Langmuir, 2021, 37, 3808-3816.	3.5	6
30	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
31	Extending Cooling Rate Performance of Fast Scanning Chip Calorimetry by Liquid Droplet Cooling. Applied Sciences (Switzerland), 2021, 11, 3813.	2.5	4
32	Fractionated crystallization in semicrystalline polymers. Progress in Polymer Science, 2021, 115, 101376.	24.7	48
33	Suppression of the Self-Nucleation Effect of Semicrystalline Polymers by Confinement. Macromolecules, 2021, 54, 3810-3821.	4.8	12
34	Continuous Cooling Curve Diagrams of Isotactic-Polypropylene/Polyethylene Blends: Mutual Nucleating Effects under Fast Cooling Conditions. Macromolecules, 2021, 54, 4834-4846.	4.8	15
35	Analysis of plasticization and reprocessing effects on the segmental cooperativity of polylactide by dielectric thermal spectroscopy. Polymer, 2021, 223, 123701.	3.8	9
36	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

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37	Rheology of complex biobased quaternary blends: Poly(lactic acid) [poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td	2.6	7
38	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
39	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
40	Sequential Crystallization and Multicrystalline Morphology in PE-b-PEO-b-PCL-b-PLLA Tetrablock Quarterpolymers. Macromolecules, 2021, 54, 7244-7257.	4.8	8
41	Peculiar selfâ€nucleation behavior of a polybuteneâ€1/ethylene random copolymer. Polymer Crystallization, 2021, 4, e10201.	0.8	0
42	Phase Transitions in Poly(vinylidene fluoride)/Polymethylene-Based Diblock Copolymers and Blends. Polymers, 2021, 13, 2442.	4.5	8
43	Synthesis, Structure, Crystallization and Mechanical Properties of Isodimorphic PBS-ran-PCL Copolyesters. Polymers, 2021, 13, 2263.	4.5	15
44	Solidâ€“Solid Crystal Transitions (Î´ to Î±) in Poly(hexamethylene carbonate) and Poly(octamethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.8	8
45	Confined Crystallization of Polymers within Nanopores. Accounts of Chemical Research, 2021, 54, 3028-3038.	15.6	38
46	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
47	Quantifying Nanoparticle Ordering Induced by Polymer Crystallization. ACS Nano, 2021, 15, 14430-14443.	14.6	8
48	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
49	Crystallization and Morphology of Triple Crystalline Polyethylene-b-poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 Td	4.5	4
50	Surface Nucleation of Dispersed Polyethylene Droplets in Immiscible Blends Revealed by Polypropylene Matrix Self-Nucleation. Macromolecules, 2021, 54, 9100-9112.	4.8	16
51	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
52	Crystallization of a Self-Assembling Nucleator in Poly(<scp>l</scp>-lactide) Melt. Crystal Growth and Design, 2021, 21, 5880-5888.	3.0	9
53	Asymmetric Co-unit Inclusion in Statistical Copolyesters. Macromolecules, 2021, 54, 835-845.	4.8	9
54	Polymer Spherulitic Growth Kinetics Mediated by Nanoparticle Assemblies. Macromolecules, 2021, 54, 1063-1072.	4.8	17

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55	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
56	Structure and Properties of Reactively Extruded Opaque Post-Consumer Recycled PET. Polymers, 2021, 13, 3531.	4.5	17
57	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
58	Crystallization kinetics and molecular dynamics of binary coamorphous systems of nimesulide and profen analogs. International Journal of Pharmaceutics, 2021, 610, 121235.	5.2	8
59	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
60	Mastering Superior Performance Origins of Ionic Polyurethane/Silica Hybrids. ACS Applied Polymer Materials, 2021, 3, 6684-6693.	4.4	6
61	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
62	Polycaprolactone Adsorption and Nucleation onto Graphite Nanoplates for Highly Flexible, Thermally Conductive, and Thermomechanically Stiff Nanopapers. ACS Applied Materials & Interfaces, 2021, , .	8.0	5
63	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
64	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
65	ROP and crystallization behaviour of partially renewable triblock aromatic-aliphatic copolymers derived from L-lactide. European Polymer Journal, 2020, 122, 109321.	5.4	4
66	Influence of Chemical Structures on Isodimorphic Behavior of Three Different Copolycarbonate Random Copolymer Series. Macromolecules, 2020, 53, 669-681.	4.8	18
67	The origin of memory effects in the crystallization of polyamides: Role of hydrogen bonding. Polymer, 2020, 188, 122117.	3.8	61
68	Effect of Core Nanostructure on the Thermomechanical Properties of Soft Nanoparticles. Chemistry of Materials, 2020, 32, 518-528.	6.7	9
69	Controlling the Isothermal Crystallization of Isodimorphic PBS-ran-PCL Random Copolymers by Varying Composition and Supercooling. Polymers, 2020, 12, 17.	4.5	26
70	Renewable and Tough Poly(<scp>l</scp>-lactic acid)/Polyurethane Blends Prepared by Dynamic Vulcanization. ACS Omega, 2020, 5, 26421-26430.	3.5	4
71	Origin of Transcrystallinity and Nucleation Kinetics in Polybutene-1/Fiber Composites. Macromolecules, 2020, 53, 8940-8950.	4.8	17
72	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

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73	Effect of Nanoconfinement on the Isodimorphic Crystallization of Poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 T	4.8	17
74	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
75	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
76	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
77	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
78	Crystallization, Orientation, and Solidâ€“Solid Crystal Transition of Polybutene-1 Confined within Nanoporous Alumina. Macromolecules, 2020, 53, 6510-6518.	4.8	24
79	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
80	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
81	Melt Memory Effects in Poly(butylene succinate) Studied by Differential Fast Scanning Calorimetry. Polymers, 2020, 12, 2796.	4.5	14
82	Polymer Crystallization under Confinement by Well-Dispersed Nanoparticles. Macromolecules, 2020, 53, 10256-10266.	4.8	22
83	Twoâ€Dimensional Covalent Organic Frameworks with Enhanced Aluminum Storage Properties. ChemSusChem, 2020, 13, 3447-3454.	6.8	44
84	Tacky Elastomers to Enable Tearâ€Resistant and Autonomous Selfâ€Healing Semiconductor Composites. Advanced Functional Materials, 2020, 30, 2000663.	14.9	85
85	High Lithium Conductivity of Miscible Poly(ethylene oxide)/Methacrylic Sulfonamide Anionic Polyelectrolyte Polymer Blends. Macromolecules, 2020, 53, 4442-4453.	4.8	22
86	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
87	Self-Nucleation Effects on Polymer Crystallization. Macromolecules, 2020, 53, 4581-4604.	4.8	144
88	Chemical Structure Drives Memory Effects in the Crystallization of Homopolymers. Macromolecules, 2020, 53, 4874-4881.	4.8	43
89	Mechanisms of Directional Polymer Crystallization. ACS Macro Letters, 2020, 9, 1007-1012.	4.8	11
90	Properties of scaffolds prepared by fused deposition modeling of poly(hydroxyalkanoates). International Journal of Biological Macromolecules, 2020, 161, 364-376.	7.5	39

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91	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
92	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
93	A tailor-made Successive Self-nucleation and Annealing protocol for the characterization of recycled polyolefin blends. Polymer, 2020, 203, 122791.	3.8	15
94	Competition between nucleation and confinement in the crystallization of poly(ethylene glycol)/ large aspect ratio hectorite nanocomposites. Polymer, 2020, 202, 122734.	3.8	21
95	Residual alignment and its effect on weld strength in material-extrusion 3D-printing of polylactic acid. Additive Manufacturing, 2020, 36, 101415.	3.0	23
96	Thermo-rheological effects on successful 3D printing of biodegradable polyesters. Additive Manufacturing, 2020, 36, 101408.	3.0	4
97	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
98	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
99	Interphase Design of Cellulose Nanocrystals/Poly(hydroxybutyrate-ran-valerate) Bionanocomposites for Mechanical and Thermal Properties Tuning. Biomacromolecules, 2020, 21, 1892-1901.	5.4	17
100	Fully Reversible Spherulitic Morphology in Cationically Photopolymerized DGEBA/PCL Shape-Memory Blends. Macromolecules, 2020, 53, 1368-1379.	4.8	12
101	Polymorphism and Multiple Melting Behavior of Bio-Based Poly(propylene 2,5-furandicarboxylate). Biomacromolecules, 2020, 21, 2622-2634.	5.4	32
102	Toward the Prediction and Control of Glass Transition Temperature for Donorâ€“Acceptor Polymers. Advanced Functional Materials, 2020, 30, 2002221.	14.9	46
103	Multiamorphous Phases in Diketopyrrolopyrrole-Based Conjugated Polymers: From Bulk to Ultrathin Films. Macromolecules, 2020, 53, 4480-4489.	4.8	18
104	Thermal degradation of high-impact polystyrene with pro-oxidant additives. Polymer Bulletin, 2019, 76, 1489-1515.	3.3	11
105	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
106	Nucleation of Poly(lactide) on the Surface of Different Fibers. Macromolecules, 2019, 52, 6274-6284.	4.8	35
107	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
108	Effects and limits of highly efficient nucleating agents in thermoplastic polyurethane. Polymer, 2019, 180, 121676.	3.8	15

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109	Elaboration and Characterization of Conductive Polymer Nanocomposites with Potential Use as Electrically Driven Membranes. Polymers, 2019, 11, 1180.	4.5	4
110	Nucleation and Crystallization of PA6 Composites Prepared by T-RTM: Effects of Carbon and Glass Fiber Loading. Polymers, 2019, 11, 1680.	4.5	22
111	Tailoring the isothermal crystallization kinetics of isodimorphic poly (butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (121863.	3.8	27
112	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
113	How Confinement Affects the Nucleation, Crystallization, and Dielectric Relaxation of Poly(butylene) Tj ETQq1 1 0.784314 rgBT /Over 2019, 35, 15168-15179.	3.5	15
114	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
115	Nucleation and Crystallization in Bio-Based Immiscible Polyester Blends. Advances in Polymer Science, 2019, , 219-256.	0.8	8
116	Organocatalyzed Polymerization of PET-mb-poly(oxyhexane) Copolymers and Their Self-Assembly into Double Crystalline Superstructures. Macromolecules, 2019, 52, 6834-6848.	4.8	15
117	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
118	Segmental Dynamics Govern the Cold Crystallization of Poly(lactic acid) in Nanoporous Alumina. Macromolecules, 2019, 52, 6904-6912.	4.8	30
119	Nanostructured hybrid fluids of amphiphilic diblock copolymers and surfactant worm-like micelles complexes. European Polymer Journal, 2019, 113, 395-403.	5.4	0
120	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
121	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
122	The effect of composition on the rheological behavior of commercial chocolates. LWT - Food Science and Technology, 2019, 111, 744-750.	5.2	23
123	Isothermal Crystallization Kinetics and Morphology of Double Crystalline PCL/PBS Blends Mixed with a Polycarbonate/MWCNTs Masterbatch. Polymers, 2019, 11, 682.	4.5	10
124	Isomorphic Polyoxyalkylene Copolyethers Obtained by Copolymerization of Aliphatic Diols. Macromolecules, 2019, 52, 3506-3515.	4.8	27
125	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
126	Cover Image, Volume 68, Issue 2. Polymer International, 2019, 68, i-i.	3.1	0

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127	A high performance SnO₂/C nanocomposite cathode for aluminum-ion batteries. Journal of Materials Chemistry A, 2019, 7, 7213-7220.	10.3	73
128	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
129	Characterization of Hydrogen Bonding Formation and Breaking in Semiconducting Polymers under Mechanical Strain. Macromolecules, 2019, 52, 2476-2486.	4.8	54
130	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
131	Multi-scale ordering in highly stretchable polymer semiconducting films. Nature Materials, 2019, 18, 594-601.	27.5	251
132	Effect of Chemical Structure and Salt Concentration on the Crystallization and Ionic Conductivity of Aliphatic Polyethers. Polymers, 2019, 11, 452.	4.5	23
133	Correlation between Grafting Density and Confined Crystallization Behavior of Poly(ethylene glycol) Grafted to Silica. Macromolecules, 2019, 52, 1505-1516.	4.8	45
134	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
135	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
136	Effects of Hairy Nanoparticles on Polymer Crystallization Kinetics. Macromolecules, 2019, 52, 9186-9198.	4.8	27
137	Differential scanning calorimetry study of crossâ€nucleation between polymorphs in isotactic poly(1â€butene). Polymer International, 2019, 68, 257-262.	3.1	4
138	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
139	Crystallization of isodimorphic aliphatic random copolyesters: Pseudo-eutectic behavior and double-crystalline materials. European Polymer Journal, 2018, 101, 233-247.	5.4	65
140	Organocatalysed depolymerisation of PET in a fully sustainable cycle using thermally stable protic ionic salt. Green Chemistry, 2018, 20, 1205-1212.	9.0	182
141	Reversible Lamellar Periodic Structures Induced by Sequential Crystallization/Melting in PBS-co-PCL Multiblock Copolymer. Macromolecules, 2018, 51, 1100-1109.	4.8	27
142	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
143	Crystallization kinetics of polylactide: Reactive plasticization and reprocessing effects. Polymer Degradation and Stability, 2018, 148, 56-66.	5.8	15
144	A thin TiO₂ NTs/GO hybrid membrane applied as an interlayer for lithiumâ€“sulfur batteries. RSC Advances, 2018, 8, 429-434.	3.6	29

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145	Rheology of self-nucleated poly(É›-caprolactone) melts. European Polymer Journal, 2018, 99, 495-503.	5.4	42
146	Differences between Isotropic and Self-Nucleated PCL Melts Detected by Dielectric Experiments. Macromolecules, 2018, 51, 3663-3671.	4.8	56
147	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
148	Screening of different organocatalysts for the sustainable synthesis of PET. European Polymer Journal, 2018, 104, 170-176.	5.4	36
149	Interfacial nucleation in iPP/PB-1 blends promotes the formation of polybutene-1 trigonal crystals. Polymer, 2018, 138, 396-406.	3.8	43
150	Ion-macromolecule interactions studied with model polyurethanes. Journal of Colloid and Interface Science, 2018, 509, 102-112.	9.4	2
151	Synthesis and characterization of isocyanate-free polyureas. Green Chemistry, 2018, 20, 243-249.	9.0	40
152	Thermal and <scp>UV</scp> degradation of polypropylene with proâ€oxidant. Abiotic characterization. Journal of Applied Polymer Science, 2018, 135, 46088.	2.6	17
153	Comparing Crystallization Kinetics between Polyamide 6 and Polyketone via Chipâ€Calorimeter Measurement. Macromolecular Chemistry and Physics, 2018, 219, 1700385.	2.2	18
154	Effect of hydrogen bonding on the physicochemical and rheological features of chemically modified phenoxy. Polymer, 2018, 159, 12-22.	3.8	7
155	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
156	Tuning the Thermal Properties and Morphology of Isodimorphic Poly[(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (succinate) Thermal History. Macromolecules, 2018, 51, 9589-9601.	4.8	32
157	Novel Biobased Polyamide 410/Polyamide 6/CNT Nanocomposites. Polymers, 2018, 10, 986.	4.5	27
158	Conformational Transitions of Polymer Chains in Solutions Characterized by Fluorescence Resonance Energy Transfer. Polymers, 2018, 10, 1007.	4.5	8
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