

Karen I Winey

List of Publications by Year in descending order

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157
papers

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36303

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158
all docs

158
docs citations

158
times ranked

8163
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer Nanocomposites. MRS Bulletin, 2007, 32, 314-322.	3.5	610
2	Effect of nanotube alignment on percolation conductivity in carbon nanotube/polymer composites. Physical Review B, 2005, 72, .	3.2	530
3	<i>50th Anniversary Perspective</i>: Are Polymer Nanocomposites Practical for Applications?. Macromolecules, 2017, 50, 714-731.	4.8	491
4	Coagulation method for preparing single-walled carbon nanotube/poly(methyl methacrylate) composites and their modulus, electrical conductivity, and thermal stability. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 3333-3338.	2.1	433
5	Single Wall Carbon Nanotube/Polyethylene Nanocomposites: A Nucleating and Templating Polyethylene Crystallites. Macromolecules, 2006, 39, 2964-2971.	4.8	301
6	Dynamics of polymer segments, polymer chains, and nanoparticles in polymer nanocomposite melts: A review. Progress in Polymer Science, 2020, 105, 101242.	24.7	195
7	Polymerized Ionic Liquids: The Effect of Random Copolymer Composition on Ion Conduction. Macromolecules, 2009, 42, 4809-4816.	4.8	194
8	Self-assembled highly ordered acid layers in precisely sulfonated polyethylene produce efficient proton transport. Nature Materials, 2018, 17, 725-731.	27.5	187
9	Dielectric and Viscoelastic Responses of Imidazolium-Based Ionomers with Different Counterions and Side Chain Lengths. Macromolecules, 2014, 47, 777-790.	4.8	179
10	Synthesis and Morphology of Well-Defined Poly(ethylene-co-acrylic acid) Copolymers. Macromolecules, 2007, 40, 6564-6571.	4.8	177
11	Electrical Percolation Behavior in Silver Nanowire-Polystyrene Composites: Simulation and Experiment. Advanced Functional Materials, 2010, 20, 2709-2716.	14.9	173
12	Transport Properties of Sulfonated Poly(styrene-b-isobutylene-b-styrene) Triblock Copolymers at High Ion-Exchange Capacities. Macromolecules, 2006, 39, 399-407.	4.8	171
13	Polymerized Ionic Liquid Block and Random Copolymers: Effect of Weak Microphase Separation on Ion Transport. Macromolecules, 2012, 45, 7027-7035.	4.8	164
14	Nanoscale Morphology in Precisely Sequenced Poly(ethylene-co-acrylic acid) Zinc Ionomers. Journal of the American Chemical Society, 2010, 132, 8165-8174.	13.7	159
15	Network Structure and Strong Microphase Separation for High Ion Conductivity in Polymerized Ionic Liquid Block Copolymers. Macromolecules, 2013, 46, 5290-5300.	4.8	156
16	An infiltration method for preparing single-wall nanotube/epoxy composites with improved thermal conductivity. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1513-1519.	2.1	154
17	Simulations and electrical conductivity of percolated networks of finite rods with various degrees of axial alignment. Physical Review B, 2009, 79, .	3.2	149
18	Ionic Aggregate Structure in Ionomer Melts: Effect of Molecular Architecture on Aggregates and the Ionomer Peak. Journal of the American Chemical Society, 2012, 134, 574-587.	13.7	148

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19	Alkyl-Substituted N-Vinylimidazolium Polymerized Ionic Liquids: Thermal Properties and Ionic Conductivities. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 2522-2528.	2.2	139
20	Synthesis and X-ray Characterization of Cobalt Phosphide (Co ₂ P) Nanorods for the Oxygen Reduction Reaction. <i>ACS Nano</i> , 2015, 9, 8108-8115.	14.6	132
21	Macromolecular Diffusion in a Crowded Polymer Nanocomposite. <i>Macromolecules</i> , 2011, 44, 3494-3501.	4.8	124
22	Correlating backbone-to-backbone distance to ionic conductivity in amorphous polymerized ionic liquids. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 338-346.	2.1	122
23	Do Attractive Polymer-Nanoparticle Interactions Retard Polymer Diffusion in Nanocomposites?. <i>Macromolecules</i> , 2013, 46, 4502-4509.	4.8	113
24	High Hydroxide Conductivity in Polymerized Ionic Liquid Block Copolymers. <i>ACS Macro Letters</i> , 2013, 2, 575-580.	4.8	111
25	Melt intercalation of polystyrene in layered silicates. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996, 34, 1443-1449.	2.1	99
26	Polymer diffusion in a polymer nanocomposite: effect of nanoparticle size and polydispersity. <i>Soft Matter</i> , 2012, 8, 6512.	2.7	95
27	Imidazolium Polyesters: Structure-Property Relationships in Thermal Behavior, Ionic Conductivity, and Morphology. <i>Advanced Functional Materials</i> , 2011, 21, 708-717.	14.9	94
28	Influence of the Bound Polymer Layer on Nanoparticle Diffusion in Polymer Melts. <i>ACS Macro Letters</i> , 2016, 5, 1141-1145.	4.8	91
29	Direct Comparisons of X-ray Scattering and Atomistic Molecular Dynamics Simulations for Precise Acid Copolymers and Ionomers. <i>Macromolecules</i> , 2015, 48, 1210-1220.	4.8	89
30	Entanglement Reduction and Anisotropic Chain and Primitive Path Conformations in Polymer Melts under Thin Film and Cylindrical Confinement. <i>Macromolecules</i> , 2014, 47, 6462-6472.	4.8	84
31	Simulations and generalized model of the effect of filler size dispersity on electrical percolation in rod networks. <i>Physical Review B</i> , 2012, 86, .	3.2	80
32	Precision Ionomers: Synthesis and Thermal/Mechanical Characterization. <i>Macromolecules</i> , 2012, 45, 681-687.	4.8	78
33	Multi-Length Scale Morphology of Poly(ethylene oxide)-Based Sulfonate Ionomers with Alkali Cations at Room Temperature. <i>Macromolecules</i> , 2010, 43, 4223-4229.	4.8	76
34	Reconciling STEM and X-ray Scattering Data To Determine the Nanoscale Ionic Aggregate Morphology in Sulfonated Polystyrene Ionomers. <i>Macromolecules</i> , 2008, 41, 6134-6140.	4.8	75
35	Polymer conformations in polymer nanocomposites containing spherical nanoparticles. <i>Soft Matter</i> , 2015, 11, 382-388.	2.7	75
36	Gyroid and Other Ordered Morphologies in Single-Ion Conducting Polymers and Their Impact on Ion Conductivity. <i>Journal of the American Chemical Society</i> , 2020, 142, 857-866.	13.7	72

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37	Synthesis of Imidazolium-Containing ABA Triblock Copolymers: Role of Charge Placement, Charge Density, and Ionic Liquid Incorporation. <i>Macromolecules</i> , 2012, 45, 4749-4757.	4.8	69
38	Molecular Mobility and Cation Conduction in Polyether-ester-Sulfonate Copolymer Ionomers. <i>Macromolecules</i> , 2012, 45, 3962-3973.	4.8	67
39	Topological entanglement length in polymer melts and nanocomposites by a DPD polymer model. <i>Soft Matter</i> , 2013, 9, 3877.	2.7	67
40	Universal Scaling of Polymer Diffusion in Nanocomposites. <i>ACS Macro Letters</i> , 2013, 2, 485-490.	4.8	67
41	Resistive Switching in Bulk Silver Nanowire-Polystyrene Composites. <i>Advanced Functional Materials</i> , 2011, 21, 233-240.	14.9	66
42	Room Temperature Morphologies of Precise Acid- and Ion-Containing Polyethylenes. <i>Macromolecules</i> , 2013, 46, 9003-9012.	4.8	66
43	Ionic Aggregates in Partially Zn-Neutralized Poly(ethylene-ran-methacrylic acid) Ionomers: Shape, Size, and Size Distribution. <i>Macromolecules</i> , 2000, 33, 507-513.	4.8	63
44	Structure and Dynamics of Zinc-Neutralized Sulfonated Polystyrene Ionomers. <i>Macromolecules</i> , 2011, 44, 2791-2798.	4.8	63
45	Influence of Solvating Plasticizer on Ion Conduction of Polysiloxane Single-Ion Conductors. <i>Macromolecules</i> , 2014, 47, 3145-3153.	4.8	63
46	Effect of Ionic Liquid on Mechanical Properties and Morphology of Zwitterionic Copolymer Membranes. <i>Macromolecules</i> , 2010, 43, 790-796.	4.8	61
47	Entanglements in polymer nanocomposites containing spherical nanoparticles. <i>Soft Matter</i> , 2016, 12, 2567-2574.	2.7	61
48	Impact of Hydration and Sulfonation on the Morphology and Ionic Conductivity of Sulfonated Poly(phenylene) Proton Exchange Membranes. <i>Macromolecules</i> , 2019, 52, 857-876.	4.8	61
49	Temperature dependence of thermal conductivity enhancement in single-walled carbon nanotube/polystyrene composites. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	59
50	Bromide and Hydroxide Conductivity-Morphology Relationships in Polymerized Ionic Liquid Block Copolymers. <i>Macromolecules</i> , 2015, 48, 4850-4862.	4.8	55
51	Polymer Diffusion Exhibits a Minimum with Increasing Single-Walled Carbon Nanotube Concentration. <i>Macromolecules</i> , 2009, 42, 7091-7097.	4.8	54
52	Chain Folding Produces a Multilayered Morphology in a Precise Polymer: Simulations and Experiments. <i>Journal of the American Chemical Society</i> , 2017, 139, 3747-3755.	13.7	53
53	Influence of the Degree of Sulfonation on the Structure and Dynamics of Sulfonated Polystyrene Copolymers. <i>Macromolecules</i> , 2010, 43, 10498-10504.	4.8	52
54	Hydroxyalkyl-Containing Imidazolium Homopolymers: Correlation of Structure with Conductivity. <i>Macromolecules</i> , 2013, 46, 3037-3045.	4.8	52

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55	Polymer and spherical nanoparticle diffusion in nanocomposites. <i>Journal of Chemical Physics</i> , 2017, 146, 203331.	3.0	52
56	Spherical and vesicular ionic aggregates in Zn-neutralized sulfonated polystyrene ionomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 477-483.	2.1	51
57	Local Polymer Dynamics and Diffusion in Cylindrical Nanoconfinement. <i>Macromolecules</i> , 2015, 48, 2324-2332.	4.8	51
58	Modifying a Polystyrene/Poly(methyl methacrylate) Interface with Poly(styrene-co-methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td	4.8	50
59	Polymer Chain Conformations in CNT/PS Nanocomposites from Small Angle Neutron Scattering. <i>Macromolecules</i> , 2013, 46, 5345-5354.	4.8	50
60	Influence of Cation Type on Structure and Dynamics in Sulfonated Polystyrene Ionomers. <i>Macromolecules</i> , 2011, 44, 5420-5426.	4.8	49
61	Entanglements and Dynamics of Polymer Melts near a SWCNT. <i>Macromolecules</i> , 2012, 45, 7274-7281.	4.8	48
62	High Ion Content Siloxane Phosphonium Ionomers with Very Low κ . <i>Macromolecules</i> , 2014, 47, 4428-4437.	4.8	48
63	Nanoscale Aggregation in Acid- and Ion-Containing Polymers. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2017, 8, 499-523.	6.8	48
64	Quantitative Morphology Study of Cu-Neutralized Poly(styrene-ran-methacrylic acid) Ionomers:Â STEM Imaging, X-ray Scattering, and Real-Space Structural Modeling. <i>Macromolecules</i> , 2007, 40, 1081-1088.	4.8	47
65	Modeling of Entangled Polymer Diffusion in Melts and Nanocomposites: A Review. <i>Polymers</i> , 2019, 11, 876.	4.5	47
66	Dynamic Patterning in PEO-Based Single Ion Conductors for Li Ion Batteries. <i>Macromolecules</i> , 2012, 45, 4354-4362.	4.8	45
67	Ion Transport in Cyclopropenium-Based Polymerized Ionic Liquids. <i>Macromolecules</i> , 2018, 51, 1681-1687.	4.8	45
68	Morphological Trends in Precise Acid- and Ion-Containing Polyethylenes at Elevated Temperature. <i>Macromolecules</i> , 2013, 46, 8995-9002.	4.8	44
69	Nanoparticle Brush Architecture Controls Polymer Diffusion in Nanocomposites. <i>Macromolecules</i> , 2014, 47, 2404-2410.	4.8	44
70	Ionic aggregate dissolution and conduction in a plasticized single-ion polymer conductor. <i>Polymer</i> , 2015, 59, 133-143.	3.8	44
71	Kink Bands in a Lamellar Diblock Copolymer Induced by Large Amplitude Oscillatory Shear. <i>Macromolecules</i> , 1996, 29, 8180-8187.	4.8	43
72	Hierarchical Acrylic Acid Aggregate Morphologies Produce Strain-Hardening in Precise Polyethylene-Based Copolymers. <i>Macromolecules</i> , 2015, 48, 3713-3724.	4.8	43

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73	Dynamics of Precise Ethylene Ionomers Containing Ionic Liquid Functionality. <i>Macromolecules</i> , 2015, 48, 410-420.	4.8	42
74	Fast Nanorod Diffusion through Entangled Polymer Melts. <i>ACS Macro Letters</i> , 2015, 4, 952-956.	4.8	39
75	Excluded Volume Model for the Reduction of Polymer Diffusion into Nanocomposites. <i>Journal of Physical Chemistry B</i> , 2013, 117, 15675-15683.	2.6	37
76	Ion States and Transport in Styrenesulfonate Methacrylic PEO ₉ Random Copolymer Ionomers. <i>Macromolecules</i> , 2015, 48, 7273-7285.	4.8	37
77	Temperature-Dependent Suppression of Polymer Diffusion in Polymer Nanocomposites. <i>ACS Macro Letters</i> , 2016, 5, 735-739.	4.8	37
78	Well-Defined Imidazolium ABA Triblock Copolymers as Ionic Liquid-Containing Electroactive Membranes. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1319-1331.	2.2	36
79	Grafted polymer chains suppress nanoparticle diffusion in athermal polymer melts. <i>Journal of Chemical Physics</i> , 2017, 146, 203332.	3.0	36
80	Multiscale Dynamics of Small, Attractive Nanoparticles and Entangled Polymers in Polymer Nanocomposites. <i>Macromolecules</i> , 2019, 52, 2181-2188.	4.8	36
81	Reconciling STEM and X-ray Scattering Data from a Poly(styrene-ran-methacrylic acid) Ionomer: A Ionic Aggregate Size. <i>Macromolecules</i> , 2006, 39, 5174-5176.	4.8	33
82	Minimum in Diffusion Coefficient with Increasing MWCNT Concentration Requires Tracer Molecules To Be Larger than Nanotubes. <i>Macromolecules</i> , 2009, 42, 8365-8369.	4.8	33
83	Polymerized ionic liquid diblock copolymers: impact of water/ion clustering on ion conductivity. <i>Soft Matter</i> , 2016, 12, 1133-1144.	2.7	33
84	Precise Acid Copolymer Exhibits a Face-Centered Cubic Structure. <i>ACS Macro Letters</i> , 2012, 1, 71-74.	4.8	31
85	Nanorod Diffusion in Polymer Nanocomposites by Molecular Dynamics Simulations. <i>Macromolecules</i> , 2019, 52, 2513-2520.	4.8	30
86	Temperature Dependence of Polymer Diffusion in MWCNT/PS Nanocomposites. <i>Macromolecules</i> , 2013, 46, 2317-2322.	4.8	28
87	High Melting Precision Sulfone Polyethylenes Synthesized by ADMET Chemistry. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2351-2359.	2.2	28
88	Monodisperse and Telechelic Polyethylenes Form Extended Chain Crystals with Ionic Layers. <i>Macromolecules</i> , 2019, 52, 4949-4956.	4.8	28
89	Resistive switching in silver/polystyrene/silver nano-gap devices. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	27
90	Role of Periodicity and Acid Chemistry on the Morphological Evolution and Strength in Precise Polyethylenes. <i>Macromolecules</i> , 2016, 49, 8209-8218.	4.8	27

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91	Percolated Ionic Aggregate Morphologies and Decoupled Ion Transport in Precise Sulfonated Polymers Synthesized by Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2020, 53, 8960-8973.	4.8	27
92	Polymer Tracer Diffusion Exhibits a Minimum in Nanocomposites Containing Spherical Nanoparticles. <i>Macromolecules</i> , 2011, 44, 191-193.	4.8	26
93	Nanoscale Morphology of Poly(styrene-ran-methacrylic acid) Ionomers: The Role of Preparation Method, Thermal Treatment, and Acid Copolymer Structure. <i>Macromolecules</i> , 2007, 40, 3223-3228.	4.8	25
94	Structure-Property Relationships of Water-Soluble Ammonium-Ionene Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 965-972.	2.2	25
95	Segmental Diffusion in Attractive Polymer Nanocomposites: A Quasi-Elastic Neutron Scattering Study. <i>Macromolecules</i> , 2019, 52, 669-678.	4.8	25
96	Single-Particle Tracking of Nonsticky and Sticky Nanoparticles in Polymer Melts. <i>Macromolecules</i> , 2020, 53, 3933-3939.	4.8	25
97	Hydronium ion diffusion in model proton exchange membranes at low hydration: insights from <i>ab initio</i> molecular dynamics. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2448-2458.	10.3	25
98	Polymer Conformations and Dynamics under Confinement with Two Length Scales. <i>Macromolecules</i> , 2019, 52, 217-226.	4.8	24
99	Fast Polymer Diffusion through Nanocomposites with Anisotropic Particles. <i>ACS Macro Letters</i> , 2014, 3, 886-891.	4.8	23
100	Designing tougher elastomers with ionomers. <i>Science</i> , 2017, 358, 449-450.	12.6	23
101	Chain and Ion Dynamics in Precise Polyethylene Ionomers. <i>Macromolecules</i> , 2019, 52, 7939-7950.	4.8	23
102	Local acid environment in poly(ethylene-ran-methacrylic acid) ionomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 2833-2841.	2.1	22
103	The impact of zinc neutralization on the structure and dynamics of precise polyethylene acrylic acid ionomers: A solid-state ¹³ C NMR study. <i>Polymer</i> , 2012, 53, 3917-3927.	3.8	22
104	Precise Sulfite Functionalization of Polyolefins via ADMET Polymerization. <i>ACS Macro Letters</i> , 2015, 4, 624-627.	4.8	22
105	Heterogeneous Chain Dynamics and Aggregate Lifetimes in Precise Acid-Containing Polyethylenes: Experiments and Simulations. <i>Macromolecules</i> , 2016, 49, 9176-9185.	4.8	22
106	Polymer Diffusion from Attractive and Athermal Substrates. <i>Macromolecules</i> , 2017, 50, 3038-3042.	4.8	21
107	Structure-Property Relationships in Single-Ion Conducting Multiblock Copolymers: A Phase Diagram and Ionic Conductivities. <i>Macromolecules</i> , 2021, 54, 4269-4279.	4.8	21
108	High Morphological Order in a Nearly Precise Acid-Containing Polymer and Ionomer. <i>ACS Macro Letters</i> , 2017, 6, 947-951.	4.8	20

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109	Polymer Diffusion Is Fastest at Intermediate Levels of Cylindrical Confinement. <i>Macromolecules</i> , 2018, 51, 9789-9797.	4.8	20
110	Periodic Polyethylene Sulfonates from Polyesterification: Bulk and Nanoparticle Morphologies and Ionic Conductivities. <i>Macromolecules</i> , 2019, 52, 8466-8475.	4.8	20
111	Fluorine-Free Precise Polymer Electrolyte for Efficient Proton Transport: Experiments and Simulations. <i>Chemistry of Materials</i> , 2021, 33, 6041-6051.	6.7	20
112	Predicting the solution morphology of a sulfonated pentablock copolymer in binary solvent mixtures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 254-262.	2.1	19
113	The evolution of acidic and ionic aggregates in ionomers during microsecond simulations. <i>Journal of Chemical Physics</i> , 2019, 150, 064901.	3.0	19
114	Characterizing the Areal Density and Desorption Kinetics of Physically Adsorbed Polymer in Polymer Nanocomposite Melts. <i>Macromolecules</i> , 2020, 53, 2744-2753.	4.8	19
115	Superionic Li-Ion Transport in a Single-Ion Conducting Polymer Blend Electrolyte. <i>Macromolecules</i> , 2022, 55, 4692-4702.	4.8	19
116	Transverse Orientation of Acid Layers in the Crystallites of a Precise Polymer. <i>Macromolecules</i> , 2017, 50, 8988-8995.	4.8	17
117	Deformation-induced morphology evolution of precise polyethylene ionomers. <i>Polymer</i> , 2018, 144, 184-191.	3.8	17
118	Increased Polymer Diffusivity in Thin-Film Confinement. <i>Macromolecules</i> , 2019, 52, 6116-6125.	4.8	17
119	Ionic aggregates in Zn- and Na-neutralized poly(ethylene-ran-methacrylic acid) blown films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 3549-3554.	2.1	16
120	Solution-grown crystals of precise acid- and ion-containing polyethylenes. <i>Polymer</i> , 2018, 135, 111-119.	3.8	16
121	Precision Sulfonic Acid Polyolefins via Heterogenous to Homogenous Deprotection. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700634.	2.2	16
122	Nanoscale layers in polymers to promote ion transport. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 252-262.	3.4	16
123	Dynamics of Kink Bands in Layered Liquids: Theory and in Situ SAXS Experiments on a Block Copolymer Melt. <i>Macromolecules</i> , 2001, 34, 7858-7867.	4.8	15
124	Toward Reconciling STEM and SAXS Data from Ionomers by Investigating Gold Nanoparticles. <i>Macromolecules</i> , 2005, 38, 9251-9257.	4.8	14
125	Heterogeneous Coordination Environments in Lithium-Neutralized Ionomers Identified Using ¹ H and ⁷ Li MAS NMR. <i>Materials</i> , 2012, 5, 1508-1527.	2.9	14
126	Environmental chamber for in situ dynamic control of temperature and relative humidity during x-ray scattering. <i>Review of Scientific Instruments</i> , 2012, 83, 025112.	1.3	14

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127	Creep attenuation in glassy polymer nanocomposites with variable polymer-nanoparticle interactions. <i>Soft Matter</i> , 2020, 16, 8912-8924.	2.7	14
128	Effect of surface properties and polymer chain length on polymer adsorption in solution. <i>Journal of Chemical Physics</i> , 2021, 155, 034701.	3.0	14
129	Sub-3-Nanometer Domain Spacings of Ultrahigh- η Multiblock Copolymers with Pendant Ionic Groups. <i>ACS Nano</i> , 2021, 15, 16738-16747.	14.6	13
130	Does plastic deformation proceed near thermodynamic equilibrium? The case made for shear-strained lamellar diblock copolymers. <i>Journal of Applied Physics</i> , 1999, 85, 6392-6399.	2.5	12
131	A Correlation between Lamellar Contraction and Applied Shear Stress in Diblock Copolymers. <i>Macromolecules</i> , 2002, 35, 3596-3600.	4.8	12
132	Impact of building block structure on ion transport in cyclopropenium-based polymerized ionic liquids. <i>Polymer Chemistry</i> , 2019, 10, 2832-2839.	3.9	11
133	Asymmetric Miscibility in Random Copolymer/Homopolymer Blends: Monomeric Size and Polarity. <i>Macromolecules</i> , 2000, 33, 73-79.	4.8	10
134	Synthesis and Characterization of Novel Segmented Polyionenes Based on Polydimethylsiloxane Soft Segments. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 215-224.	2.2	10
135	Nanorod Mobility Influences Polymer Diffusion in Polymer Nanocomposites. <i>ACS Macro Letters</i> , 2017, 6, 869-874.	4.8	10
136	Anhydrous Proton Transport within Phosphonic Acid Layers in Monodisperse Telechelic Polyethylenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 16725-16733.	13.7	10
137	Melt polycondensation of carboxytelechelic polyethylene for the design of degradable segmented copolyester polyolefins. <i>Polymer Chemistry</i> , 2022, 13, 3116-3125.	3.9	10
138	Deconvolution of scanning transmission electron microscopy images of ionomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 319-326.	2.1	9
139	Silica nanoparticles densely grafted with PEO for ionomer plasticization. <i>RSC Advances</i> , 2015, 5, 19570-19580.	3.6	9
140	Comparing Morphological Evolution during Tensile Deformation of Two Precise Polyethylenes via 2D Fitting of <i>in Situ</i> X-ray Scattering. <i>Macromolecules</i> , 2018, 51, 7942-7950.	4.8	9
141	Ionomers from Step-Growth Polymerization: Highly Ordered Ionic Aggregates and Ion Conduction. <i>Macromolecules</i> , 2020, 53, 1777-1784.	4.8	9
142	Polymer Conformations and Diffusion through a Monolayer of Confining Nanoparticles. <i>Macromolecules</i> , 2020, 53, 8171-8180.	4.8	8
143	Conformation and dynamics of ring polymers under symmetric thin film confinement. <i>Journal of Chemical Physics</i> , 2020, 153, 184905.	3.0	8
144	Investigating polymer blend miscibility with forward recoil spectrometry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 1547-1552.	2.1	7

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145	Ordered Nanostructures in Thin Films of Precise Ion-Containing Multiblock Copolymers. ACS Central Science, 2022, 8, 388-393.	11.3	5
146	Decoupled Cation Transport within Layered Assemblies in Sulfonated and Crystalline Telechelic Polyethylenes. Macromolecules, 0, , .	4.8	4
147	Imaging Ionic Aggregates in Zn-Neutralized Sulfonated Polystyrene Ionomers: Shape and Spatial Heterogeneity. Microscopy and Microanalysis, 2000, 6, 1112-1113.	0.4	3
148	Structure, dynamics and primitive path network of polymer nanocomposites containing spherical nanoparticles. Materials Research Society Symposia Proceedings, 2014, 1619, 1.	0.1	3
149	Thermal Conductivity of Single-Walled Carbon Nanotube/PMMA Nanocomposites. Materials Research Society Symposia Proceedings, 2004, 858, 214.	0.1	2
150	Development of Diffraction Scanning Techniques for Beam Sensitive Polymers.. Microscopy and Microanalysis, 2016, 22, 492-493.	0.4	2
151	Correlation between backbone and pyridine dynamics in poly(2-vinyl pyridine)/silica polymer nanocomposites. Journal of Polymer Science, 2020, 58, 2906-2913.	3.8	2
152	Dewetting of Polymer Bilayers: Morphology and Kinetics. Materials Research Society Symposia Proceedings, 1994, 366, 71.	0.1	1
153	Ionic Nano-Aggregates in Polyethylene-Based Ionomers: Comparison of Stem and Saxs Results. Microscopy and Microanalysis, 2000, 6, 1110-1111.	0.4	1
154	Spherical and vesicular ionic aggregates in Zn-neutralized sulfonated polystyrene ionomers. , 2001, 39, 477.		1
155	In memory of professor Edward J. Kramer. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 117-117.	2.1	0
156	In memory of professor Edward J. Kramer. Journal of Polymer Science Part A, 2016, 54, 227-227.	2.3	0
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