

Ralph H Colby

List of PR Articles by Year in descending order

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68

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9871

126

g-index

232

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8143

72

h-index

13166

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Particle Concentration Promotes Flow-Induced Crystallization of High-Molecular-Weight Isotactic Polypropylene. <i>Macromolecules</i> , 2024, 57, 4396-4409.	5.0	9
2	Enhancing the dielectric constant of zwitterionic liquids via dipole moment and anion chemistry. <i>Journal of Chemical Physics</i> , 2024, 161, .	2.8	10
3	Rheological Properties of Concentrated Sodium Polystyrenesulfonate in Aqueous Salt Solutions. <i>Macromolecules</i> , 2024, 57, 7253-7262.	5.0	2
4	Preparation and Characterization of Polyethylene Copolymers with PAH Side Groups as Carbon Fiber Precursors. <i>ACS Applied Polymer Materials</i> , 2023, 5, 791-802.	4.6	6
5	Uncorrelated Lithium-Ion Hopping in a Dynamic Solvent-Driven Anion Network. <i>ACS Energy Letters</i> , 2023, 8, 1944-1951.	17.0	38
6	Revisiting the Elasticity of Tetra-Poly(ethylene glycol) Hydrogels. <i>Macromolecules</i> , 2023, 56, 2939-2946.	5.0	11
7	Ionic Conduction and Dielectric Response of Nanoparticle-Coupled Hydrogel Network Polymer Electrolytes. <i>Macromolecules</i> , 2023, 56, 3393-3405.	5.0	14
8	High-Modulus Single-Ion-Conducting Electrolytes Based on a Rigid-Rod Polyanion. <i>ACS Applied Energy Materials</i> , 2023, 6, 6910-6916.	5.4	5
9	Viscosity of Polymer Solutions and Molecular Weight Characterization. <i>ACS Macro Letters</i> , 2023, 12, 773-779.	5.0	33
10	Ion States Impact Charge Transport and Dielectric Constant for Poly(ethylene oxide)-Based Sulfonylimide Lithium Ionomers. <i>Macromolecules</i> , 2023, 56, 5141-5151.	5.0	8
11	Ionic interactions control the modulus and mechanical properties of molecular ionic composite electrolytes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 947-957.	5.1	22
12	Predicting the Plateau Modulus from Molecular Parameters of Conjugated Polymers. <i>ACS Central Science</i> , 2022, 8, 268-274.	9.2	32
13	Determining the Molecular Weight of Polyelectrolytes Using the Rouse Scaling Theory for Salt-Free Semidilute Unentangled Solutions. <i>Macromolecules</i> , 2022, 55, 7148-7160.	5.0	15
14	Anion chemical composition of poly(ethylene oxide)-based sulfonylimide and sulfonate lithium ionomers controls ion aggregation and conduction. <i>Journal of Materials Chemistry C</i> , 2022, 10, 14569-14579.	5.1	10
15	Rheological investigation on the associative properties of poly(vinyl alcohol) solutions. <i>Journal of Rheology</i> , 2022, 66, 1141-1150.	2.8	14
16	Shear-induced nematic phase in entangled rod-like PEEK melts. <i>Progress in Polymer Science</i> , 2021, 112, 101323.	25.2	18
17	Rheology of Entangled Polyelectrolyte Solutions. <i>Macromolecules</i> , 2021, 54, 1375-1387.	5.0	41
18	Room Temperature to 150 °C Lithium Metal Batteries Enabled by a Rigid Molecular Ionic Composite Electrolyte. <i>Advanced Energy Materials</i> , 2021, 11, .	22.6	52

#	ARTICLE	IF	PR CITATIONS
19	Rheology, Sticky Chain, and Sticker Dynamics of Supramolecular Elastomers Based on Cluster-Forming Telechelic Linear and Star Polymers. <i>Macromolecules</i> , 2021, 54, 5065-5076.	5.0	28
20	Rheological response of entangled isotactic polypropylene melts in strong shear flows: Edge fracture, flow curves, and normal stresses. <i>Journal of Rheology</i> , 2021, 65, 605-616.	2.8	16
21	Dual Nakamura model for primary and secondary crystallization applied to nonisothermal crystallization of poly(ether ether ketone). <i>Polymer Engineering and Science</i> , 2021, 61, 2416-2426.	3.5	22
22	Molecular Weight Characterization of Conjugated Polymers Through Gel Permeation Chromatography and Static Light Scattering. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4572-4578.	4.6	24
23	Zwitterions Raise the Dielectric Constant of Soft Materials. <i>Physical Review Letters</i> , 2021, 127, .	8.2	53
24	Effect of chemical substituents attached to the zwitterion cation on dielectric constant. <i>Journal of Chemical Physics</i> , 2021, 155, .	2.8	20
25	Chain dynamics and glass transition of dry native cellulose solutions in ionic liquids. <i>Soft Matter</i> , 2020, 16, 200-207.	2.7	5
26	Simultaneous Reduction and Polymerization of Graphene Oxide/Styrene Mixtures To Create Polymer Nanocomposites with Tunable Dielectric Constants. <i>ACS Applied Nano Materials</i> , 2020, 3, 962-968.	5.3	35
27	Rheological investigation of collagen, fibrinogen, and thrombin solutions for drop-on-demand 3D bioprinting. <i>Soft Matter</i> , 2020, 16, 10506-10517.	2.7	29
28	Role of Chain Polarity on Ion and Polymer Dynamics: Molecular Volume-Based Analysis of the Dielectric Constant for Polymerized Norbornene-Based Ionic Liquids. <i>Macromolecules</i> , 2020, 53, 10561-10573.	5.0	24
29	Determination of intrinsic viscosity of native cellulose solutions in ionic liquids. <i>Journal of Rheology</i> , 2020, 64, 1063-1073.	2.8	22
30	Terminal Flow of Cluster-Forming Supramolecular Polymer Networks: Single-Chain Relaxation or Micelle Reorganization?. <i>Physical Review Letters</i> , 2020, 125, .	8.2	28
31	Flow-Induced Crystallization of Poly(ether ether ketone): Universal Aspects of Specific Work Revealed by Corroborative Rheology and X-ray Scattering Studies. <i>Macromolecules</i> , 2020, 53, 10040-10050.	5.0	32
32	Crystal nucleation in poly(ether ether ketone)/carbon nanotube nanocomposites at high and low supercooling of the melt. <i>Polymer</i> , 2020, 199, 122548.	4.2	28
33	Shear-Induced Isotropic-Nematic Transition in Poly(ether ether ketone) Melts. <i>ACS Macro Letters</i> , 2020, 9, 950-956.	5.0	19
34	The Effect of Oligo(oxyethylene) Moieties on Ion Conduction and Dielectric Properties of Norbornene-Based Imidazolium Tf ₂ N Ionic Liquid Monomers. <i>Macromolecules</i> , 2020, 53, 4990-5000.	5.0	16
35	Glass transition temperature from the chemical structure of conjugated polymers. <i>Nature Communications</i> , 2020, 11, .	13.9	270
36	Ion Transport and Mechanical Properties of Non-Crystallizable Molecular Ionic Composite Electrolytes. <i>Macromolecules</i> , 2020, 53, 1405-1414.	5.0	32

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37	Shear Flow-Induced Crystallization of Poly(ether ether ketone). <i>Macromolecules</i> , 2020, 53, 3472-3481.	5.0	24
38	Shear-Induced Oriented Crystallization for Isotactic Poly(1-butene) and Its Copolymer with Ethylene. <i>Macromolecules</i> , 2020, 53, 3071-3081.	5.0	20
39	Solvent-non-solvent rapid-injection for preparing nanostructured materials from micelles to hydrogels. <i>Nature Communications</i> , 2019, 10, .	13.9	53
40	Thermal Fluctuations Lead to Cumulative Disorder and Enhance Charge Transport in Conjugated Polymers. <i>Macromolecular Rapid Communications</i> , 2019, 40, .	4.1	10
41	Ionâ€“Dipole-Interaction-Driven Complexation of Polyethers with Polyviologen-Based Single-Ion Conductors. <i>Macromolecules</i> , 2019, 52, 4240-4250.	5.0	6
42	Hierarchical Sticker and Sticky Chain Dynamics in Self-Healing Butyl Rubber Ionomers. <i>Macromolecules</i> , 2019, 52, 4169-4184.	5.0	59
43	Constraint Release Mechanisms for H-Polymers Moving in Linear Matrices of Varying Molar Masses. <i>Macromolecules</i> , 2019, 52, 3010-3028.	5.0	25
44	Ion Conducting ROMP Monomers Based on (Oxa)norbornenes with Pendant Imidazolium Salts Connected via Oligo(oxyethylene) Units and with Oligo(ethyleneoxy) Terminal Moieties. <i>Macromolecules</i> , 2019, 52, 1371-1388.	5.0	9
45	Studies of Ion Conductance in Polymers Derived from Norbornene Imidazolium Salts Containing Ethyleneoxy Moieties. <i>Macromolecules</i> , 2019, 52, 1389-1399.	5.0	6
46	Influence of Bibenzoate Regioisomers on Cyclohexanedimethanol-Based (Co)polyester Structureâ€“Property Relationships. <i>Macromolecules</i> , 2019, 52, 835-843.	5.0	16
47	Isothermal crystallization of poly(ether ether ketone) with different molecular weights over a wide temperature range. <i>Polymer Crystallization</i> , 2019, 2, .	1.0	35
48	Linear Viscoelasticity and Cation Conduction in Polyurethane Sulfonate Ionomers with Ions in the Soft Segmentâ€“Multiphase Systems. <i>Macromolecules</i> , 2018, 51, 2767-2775.	5.0	21
49	Electrostatic and Hydrophobic Interactions in NaCMC Aqueous Solutions: Effect of Degree of Substitution. <i>Macromolecules</i> , 2018, 51, 3165-3175.	5.0	123
50	Mechanical Properties of Tandem-Repeat Proteins Are Governed by Network Defects. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 884-891.	5.4	34
51	Sensitivity of Polymer Crystallization to Shear at Low and High Supercooling of the Melt. <i>Macromolecules</i> , 2018, 51, 2785-2795.	5.0	51
52	Linear Viscoelasticity and Cation Conduction in Polyurethane Sulfonate Ionomers with Ions in the Soft Segmentâ€“Single Phase Systems. <i>Macromolecules</i> , 2018, 51, 2757-2766.	5.0	16
53	Linear viscoelastic response and steady shear viscosity of native cellulose in 1-ethyl-3-methylimidazolium methylphosphonate. <i>Journal of Rheology</i> , 2018, 62, 81-87.	2.8	27
54	Local Chain Alignment via Nematic Ordering Reduces Chain Entanglement in Conjugated Polymers. <i>Macromolecules</i> , 2018, 51, 10271-10284.	5.0	34

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55	Side chain length affects backbone dynamics in poly(ϵ -alkylthiophene)s. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1193-1202.	2.7	42
56	Isothermal Flow-Induced Crystallization of Polyamide 66 Melts. <i>Macromolecules</i> , 2018, 51, 4269-4279.	5.0	45
57	Practical Oil Spill Recovery by a Combination of Polyolefin Absorbent and Mechanical Skimmer. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12036-12045.	6.9	68
58	Linear Viscoelasticity and Swelling of Polyelectrolyte Complex Coacervates. <i>Macromolecules</i> , 2018, 51, 5547-5555.	5.0	78
59	Two Distinct Morphologies for Semicrystalline Isotactic Polypropylene Crystallized after Shear Flow. <i>Macromolecules</i> , 2018, 51, 4750-4761.	5.0	39
60	Morphological Evolution of Ionomer/Plasticizer Mixtures during a Transition from Ionomer to Polyelectrolyte. <i>Macromolecules</i> , 2017, 50, 963-971.	5.0	34
61	Viscosity and Scaling of Semiflexible Polyelectrolyte NaCMC in Aqueous Salt Solutions. <i>Macromolecules</i> , 2017, 50, 332-338.	5.0	110
62	Nonlinear shear and uniaxial extensional rheology of polyether-ester-sulfonate copolymer ionomer melts. <i>Journal of Rheology</i> , 2017, 61, 1279-1289.	2.8	53
63	The Effect of Water on Rheology of Native Cellulose/Ionic Liquids Solutions. <i>Biomacromolecules</i> , 2017, 18, 2849-2857.	5.2	27
64	The Role of Solvating 12-Crown-4 Plasticizer on Dielectric Constant and Ion Conduction of Poly(ethylene oxide) Single-Ion Conductors. <i>Macromolecules</i> , 2017, 50, 5582-5591.	5.0	35
65	Glass Transition Temperature of Conjugated Polymers by Oscillatory Shear Rheometry. <i>Macromolecules</i> , 2017, 50, 5146-5154.	5.0	94
66	Imidazolium-Based Ionic Liquids as Initiators in Ring Opening Polymerization: Ionic Conduction and Dielectric Response of End-Functional Polycaprolactones and Their Block Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1270-1281.	2.5	10
67	Diffusive Flux as a New Metric for Ion-Conducting Soft Materials. <i>ACS Energy Letters</i> , 2016, 1, 1179-1183.	17.0	16
68	The diffusion and conduction of lithium in poly(ethylene oxide)-based sulfonate ionomers. <i>Journal of Chemical Physics</i> , 2016, 145, .	2.8	18
69	Viscoelasticity of entangled random polystyrene ionomers. <i>Journal of Rheology</i> , 2016, 60, 1031-1040.	2.8	79
70	Reversible Gelation Model Predictions of the Linear Viscoelasticity of Oligomeric Sulfonated Polystyrene Ionomer Blends. <i>Macromolecules</i> , 2016, 49, 3936-3947.	5.0	39
71	Brittle fracture in associative polymers: the case of ionomer melts. <i>Soft Matter</i> , 2016, 12, 7606-7612.	2.7	35
72	Transition in Crystal Morphology for Flow-Induced Crystallization of Isotactic Polypropylene. <i>Macromolecules</i> , 2016, 49, 5561-5575.	5.0	42

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73	Network dynamics in nanofilled polymers. <i>Nature Communications</i> , 2016, 7, .	13.9	206
74	Flow-Induced Crystallization of PEEK: Isothermal Crystallization Kinetics and Lifetime of Flow-Induced Precursors during Isothermal Annealing. <i>ACS Macro Letters</i> , 2016, 5, 849-853.	5.0	50
75	Segmental Dynamics of Ethylene Oxide-Containing Polymers with Diverse Backbone Chemistries. <i>Macromolecules</i> , 2016, 49, 1903-1910.	5.0	18
76	Segmental Dynamics and Dielectric Constant of Polysiloxane Polar Copolymers as Plasticizers for Polymer Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3215-3225.	8.0	80
77	Evolution of morphology, segmental dynamics, and conductivity in ionic liquid swollen short side chain perfluorosulfonate ionomer membranes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1273-1280.	2.7	8
78	Onset of Flow-Induced Crystallization Kinetics of Highly Isotactic Polypropylene. <i>Macromolecules</i> , 2015, 48, 3725-3738.	5.0	94
79	Molecular Volume Effects on the Dynamics of Polymerized Ionic Liquids and their Monomers. <i>Electrochimica Acta</i> , 2015, 175, 55-61.	5.3	92
80	Lifetime of Flow-Induced Precursors in Isotactic Polypropylene. <i>Macromolecules</i> , 2015, 48, 7286-7299.	5.0	69
81	Ionic aggregate dissolution and conduction in a plasticized single-ion polymer conductor. <i>Polymer</i> , 2015, 59, 133-143.	4.2	55
82	Synthesis, Morphology, and Ion Conduction of Polyphosphazene Ammonium Iodide Ionomers. <i>Macromolecules</i> , 2015, 48, 111-118.	5.0	27
83	Viscoelasticity of Reversible Gelation for Ionomers. <i>Macromolecules</i> , 2015, 48, 1221-1230.	5.0	149
84	Ion Conduction in a Semicrystalline Polyviologen and Its Polyether Mixtures. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 344-349.	2.5	15
85	Structure of sodium carboxymethyl cellulose aqueous solutions: A SANS and rheology study. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 492-501.	2.7	197
86	Imidazole-containing triblock copolymers with a synergy of ether and imidazolium sites. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3891-3901.	5.1	31
87	Mechanical Reinforcement of Polymer Nanocomposites from Percolation of a Nanoparticle Network. <i>ACS Macro Letters</i> , 2015, 4, 398-402.	5.0	225
88	Ion States and Transport in Styrenesulfonate Methacrylic PEO ₉ Random Copolymer Ionomers. <i>Macromolecules</i> , 2015, 48, 7273-7285.	5.0	41
89	Plasticizing Li single-ion conductors with low-volatility siloxane copolymers and oligomers containing ethylene oxide and cyclic carbonates. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21269-21276.	9.3	29
90	Linear Viscoelasticity and Dielectric Spectroscopy of Ionomer/Plasticizer Mixtures: A Transition from Ionomer to Polyelectrolyte. <i>Macromolecules</i> , 2015, 48, 8240-8252.	5.0	60

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91	Well-Defined Imidazolium ABA Triblock Copolymers as Ionic-Liquid-Containing Electroactive Membranes. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1319-1331.	2.5	40
92	Dielectric and Viscoelastic Responses of Imidazolium-Based Ionomers with Different Counterions and Side Chain Lengths. <i>Macromolecules</i> , 2014, 47, 777-790.	5.0	213
93	Both protein adsorption and aggregation contribute to shear yielding and viscosity increase in protein solutions. <i>Soft Matter</i> , 2014, 10, 122-131.	2.7	87
94	High Ion Content Siloxane Phosphonium Ionomers with Very Low T_g . <i>Macromolecules</i> , 2014, 47, 4428-4437.	5.0	55
95	Explaining the Non-Newtonian Character of Aggregating Monoclonal Antibody Solutions Using Small-Angle Neutron Scattering. <i>Biophysical Journal</i> , 2014, 107, 469-476.	2.2	37
96	Segmental Dynamics of Polymer Melts with Spherical Nanoparticles. <i>ACS Macro Letters</i> , 2014, 3, 773-777.	5.0	143
97	Influence of Solvating Plasticizer on Ion Conduction of Polysiloxane Single-Ion Conductors. <i>Macromolecules</i> , 2014, 47, 3145-3153.	5.0	73
98	Linear viscoelasticity of sulfonated styrene oligomers near the sol-gel transition. <i>Korea Australia Rheology Journal</i> , 2014, 26, 257-261.	2.2	21
99	Linear Viscoelasticity and Fourier Transform Infrared Spectroscopy of Polyether-“Ester”-Sulfonate Copolymer Ionomers. <i>Macromolecules</i> , 2014, 47, 3635-3644.	5.0	53
100	Ionomer dynamics and the sticky Rouse model. <i>Journal of Rheology</i> , 2013, 57, 1441-1462.	2.8	241
101	Linear Viscoelastic and Dielectric Properties of Phosphonium Siloxane Ionomers. <i>ACS Macro Letters</i> , 2013, 2, 970-974.	5.0	72
102	Exploring the role of ion solvation in ethylene oxide based single-ion conducting polyanions and polycations. <i>Soft Matter</i> , 2013, 9, 10275.	2.7	31
103	Polloidal Chains from Self-Assembly of Flattened Particles. <i>Langmuir</i> , 2013, 29, 10340-10345.	3.6	26
104	Electroactuation with single charge carrier ionomers: the roles of electrostatic pressure and steric strain. <i>Soft Matter</i> , 2013, 9, 3767.	2.7	24
105	Polyurethanes Containing an Imidazolium Diol-Based Ionic-Liquid Chain Extender for Incorporation of Ionic-Liquid Electrolytes. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1027-1036.	2.5	68
106	Polymerized Ionic Liquids with Enhanced Static Dielectric Constants. <i>Macromolecules</i> , 2013, 46, 1175-1186.	5.0	140
107	Synthesis and Characterization of Maleic Anhydride Grafted Polypropylene with a Well-Defined Molecular Structure. <i>Macromolecules</i> , 2013, 46, 4313-4323.	5.0	78
108	Mesoscopic Structural Length Scales in P3HT/PCBM Mixtures Remain Invariant for Various Processing Conditions. <i>Chemistry of Materials</i> , 2013, 25, 2812-2818.	6.7	19

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109	Dispersing Grafted Nanoparticle Assemblies into Polymer Melts through Flow Fields. ACS Macro Letters, 2013, 2, 1051-1055.	5.0	34
110	Statics and dynamics of electroactuation with single-charge-carrier ionomers. Journal of Physics Condensed Matter, 2013, 25, 082203.	2.3	9
111	Solid state nuclear magnetic resonance investigation of polymer backbone dynamics in poly(ethylene Tj ETQq1 1 0.784314 rgBT /Ov 2013, 138, .	2.8	10
112	Cluster-continuum quantum mechanical models to guide the choice of anions for Li+-conducting ionomers. Journal of Chemical Physics, 2013, 139, .	2.8	21
113	Nuclear magnetic resonance investigation of dynamics in poly(ethylene oxide)-based lithium polyether-ester-sulfonate ionomers. Journal of Chemical Physics, 2012, 136, .	2.8	25
114	Self-Assembly of Doublets from Flattened Polymer Colloids. Langmuir, 2012, 28, 4086-4094.	3.6	15
115	Molecular Mobility and Cation Conduction in Polyether-ester-Sulfonate Copolymer Ionomers. Macromolecules, 2012, 45, 3962-3973.	5.0	71
116	Ionic Conduction and Dielectric Response of Poly(imidazolium acrylate) Ionomers. Macromolecules, 2012, 45, 3974-3985.	5.0	171
117	Synthesis and Lithium Ion Conduction of Polysiloxane Single-Ion Conductors Containing Novel Weak-Binding Borates. Chemistry of Materials, 2012, 24, 2316-2323.	6.7	143
118	Using Rheology to Probe the Mechanism of Joint Lubrication: Polyelectrolyte/protein interactions in Synovial Fluid. Materials Research Society Symposia Proceedings, 2011, 711, .	0.1	2
119	Thermally Driven Ionic Aggregation in Poly(ethylene oxide)-Based Sulfonate Ionomers. Journal of the American Chemical Society, 2011, 133, 10826-10831.	15.0	111
120	Model Random Polyampholytes from Nonpolar Methacrylic Esters. Macromolecules, 2011, 44, 3810-3816.	5.0	10
121	Counterion Dynamics in Polyester-Sulfonate Ionomers with Ionic Liquid Counterions. Macromolecules, 2011, 44, 3572-3582.	5.0	97
122	1,2-Bis[N-(N-alkylimidazolium)]ethane salts: a new class of organic ionic plastic crystals. Journal of Materials Chemistry, 2011, 21, 12280.	7.3	60
123	Mechanical Reinforcement in Polymer Melts Filled with Polymer Grafted Nanoparticles. Macromolecules, 2011, 44, 7473-7477.	5.0	199
124	Solution rheology of cellulose in 1-butyl-3-methyl imidazolium chloride. Journal of Rheology, 2011, 55, 485-494.	2.8	83
125	Counterion Dynamics in Polyurethane-Carboxylate Ionomers with Ionic Liquid Counterions. Chemistry of Materials, 2011, 23, 1862-1873.	6.7	99
126	Imidazolium Polyesters: Structure-Property Relationships in Thermal Behavior, Ionic Conductivity, and Morphology. Advanced Functional Materials, 2011, 21, 708-717.	17.0	98

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127	Proton conducting 9P2O5â€“6TiO2â€“85SiO2 glass-filled NafionÂ® composite membranes. <i>Journal of Membrane Science</i> , 2011, 366, 421-426.	8.4	8
128	Influence of imidazoliumâ€“based ionic liquids on the performance of ionic polymer conductor network composite actuators. <i>Polymer International</i> , 2010, 59, 321-328.	3.4	67
129	Ion Conduction in Imidazolium Acrylate Ionic Liquids and their Polymers. <i>Chemistry of Materials</i> , 2010, 22, 5814-5822.	6.7	133
130	â€œGel-likeâ€•Mechanical Reinforcement in Polymer Nanocomposite Melts. <i>Macromolecules</i> , 2010, 43, 1003-1010.	5.0	226
131	Multi-Length Scale Morphology of Poly(ethylene oxide)-Based Sulfonate Ionomers with Alkali Cations at Room Temperature. <i>Macromolecules</i> , 2010, 43, 4223-4229.	5.0	78
132	Controlled Flats on Spherical Polymer Colloids. <i>Langmuir</i> , 2010, 26, 7644-7649.	3.6	25
133	Role of Distributions of Intramolecular Concentrations on the Dynamics of Miscible Polymer Blends Probed by Molecular Dynamics Simulation. <i>Physical Review Letters</i> , 2009, 103, .	8.2	22
134	Molecular mobility and Li+ conduction in polyester copolymer ionomers based on poly(ethylene) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 4	2.8	184
135	Anisotropic self-assembly of spherical polymer-grafted nanoparticles. <i>Nature Materials</i> , 2009, 8, 354-359.	35.2	992
136	Structure and linear viscoelasticity of flexible polymer solutions: comparison of polyelectrolyte and neutral polymer solutions. <i>Rheologica Acta</i> , 2009, 49, 425-442.	2.6	470
137	The effect of physiologically relevant additives on the rheological properties of concentrated Pluronic copolymer gels. <i>Polymer</i> , 2008, 49, 3561-3567.	4.2	66
138	Rheology of Thermoreversible Hydrogels from Multiblock Associating Copolymers. <i>Macromolecules</i> , 2008, 41, 3646-3652.	5.0	40
139	Molecular Mobility, Ion Mobility, and Mobile Ion Concentration in Poly(ethylene oxide)-Based Polyurethane Ionomers. <i>Macromolecules</i> , 2008, 41, 5723-5728.	5.0	194
140	Solution Rheology of a Strongly Charged Polyelectrolyte in Good Solvent. <i>Macromolecules</i> , 2008, 41, 6505-6510.	5.0	47
141	Rheo-NMR of Wormlike Micelles Formed from Nonionic Pluronic Surfactants. <i>Macromolecules</i> , 2008, 41, 804-814.	5.0	20
142	Oneâ€“pot Synthesis of Long Chain Branch PP (LCBPP) Using Zieglerâ€“Natta Catalyst and Branching Reagents. <i>Macromolecular Symposia</i> , 2007, 260, 34-41.	0.8	7
143	Synthesis and Characterization of Long Chain Branched Isotactic Polypropylene via Metallocene Catalyst and T-Reagent. <i>Macromolecules</i> , 2007, 40, 2712-2720.	5.0	121
144	Shear-Induced Layered Structure of Polymeric Micelles by SANS. <i>Macromolecules</i> , 2007, 40, 4016-4022.	5.0	68

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145	Dynamics of Miscible Polymer Blends: Role of Concentration Fluctuations on Characteristic Segmental Relaxation Times. <i>Macromolecules</i> , 2007, 40, 5759-5766.	5.0	39
146	Dynamics of Miscible Polymer Blends: Predicting the Dielectric Response. <i>Macromolecules</i> , 2007, 40, 5767-5775.	5.0	52
147	Dynamic light scattering and rheology studies of aqueous solutions of amphiphilic sodium maleate containing copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 774-785.	2.7	29
148	Rheopexy of synovial fluid and protein aggregation. <i>Journal of the Royal Society Interface</i> , 2006, 3, 167-174.	3.3	114
149	Synthesis and Characterization of Poly(Ethylene Glycol)-Based Single-Ion Conductors. <i>Chemistry of Materials</i> , 2006, 18, 4288-4295.	6.7	129
150	Modeling electrode polarization in dielectric spectroscopy: Ion mobility and mobile ion concentration of single-ion polymer electrolytes. <i>Journal of Chemical Physics</i> , 2006, 124, 144903.	2.8	447
151	A comparison of rheology, dielectric response, and calorimetry within indane-based glass-formers. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4776-4784.	3.3	5
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