Ralph H Colby

List of Publications by Year
in descending order

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243 papers	18,330 citations	12597 71 h-index	17373 126 g-index
256 all docs	256 docs citations	256 times ranked	14492 citing authors

#	Article	IF	Citations
1	Ionic interactions control the modulus and mechanical properties of molecular ionic composite electrolytes. Journal of Materials Chemistry C, 2022, 10, 947-957.	2.7	9
2	Predicting the Plateau Modulus from Molecular Parameters of Conjugated Polymers. ACS Central Science, 2022, 8, 268-274.	5.3	17
3	Shear-induced nematic phase in entangled rod-like PEEK melts. Progress in Polymer Science, 2021, 112, 101323.	11.8	8
4	Rheology of Entangled Polyelectrolyte Solutions. Macromolecules, 2021, 54, 1375-1387.	2.2	20
5	Room Temperature to 150 Â°C Lithium Metal Batteries Enabled by a Rigid Molecular Ionic Composite Electrolyte. Advanced Energy Materials, 2021, 11, 2003559.	10.2	35
6	Rheology, Sticky Chain, and Sticker Dynamics of Supramolecular Elastomers Based on Cluster-Forming Telechelic Linear and Star Polymers. Macromolecules, 2021, 54, 5065-5076.	2.2	20
7	Rheological response of entangled isotactic polypropylene melts in strong shear flows: Edge fracture, flow curves, and normal stresses. Journal of Rheology, 2021, 65, 605-616.	1.3	6
8	Dual Nakamura model for primary and secondary crystallization applied to nonisothermal crystallization of poly(ether ether ketone). Polymer Engineering and Science, 2021, 61, 2416-2426.	1.5	11
9	Molecular Weight Characterization of Conjugated Polymers Through Gel Permeation Chromatography and Static Light Scattering. ACS Applied Polymer Materials, 2021, 3, 4572-4578.	2.0	11
10	Zwitterions Raise the Dielectric Constant of Soft Materials. Physical Review Letters, 2021, 127, 228001.	2.9	24
11	Effect of Chemical Substituents Attached to the Zwitterion Cation on Dielectric Constant. Journal of Chemical Physics, 2021, 155, 244505.	1.2	2
12	Chain dynamics and glass transition of dry native cellulose solutions in ionic liquids. Soft Matter, 2020, 16, 200-207.	1.2	3
13	Simultaneous Reduction and Polymerization of Graphene Oxide/Styrene Mixtures To Create Polymer Nanocomposites with Tunable Dielectric Constants. ACS Applied Nano Materials, 2020, 3, 962-968.	2.4	28
14	Rheological investigation of collagen, fibrinogen, and thrombin solutions for drop-on-demand 3D bioprinting. Soft Matter, 2020, 16, 10506-10517.	1.2	21
15	Role of Chain Polarity on Ion and Polymer Dynamics: Molecular Volume-Based Analysis of the Dielectric Constant for Polymerized Norbornene-Based Ionic Liquids. Macromolecules, 2020, 53, 10561-10573.	2.2	18
16	Determination of intrinsic viscosity of native cellulose solutions in ionic liquids. Journal of Rheology, 2020, 64, 1063-1073.	1.3	13
17	Terminal Flow of Cluster-Forming Supramolecular Polymer Networks: Single-Chain Relaxation or Micelle Reorganization?. Physical Review Letters, 2020, 125, 127801.	2.9	20
18	Flow-Induced Crystallization of Poly(ether ether ketone): Universal Aspects of Specific Work Revealed by Corroborative Rheology and X-ray Scattering Studies. Macromolecules, 2020, 53, 10040-10050.	2.2	15

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19	Crystal nucleation in poly(ether ether ketone)/carbon nanotube nanocomposites at high and low supercooling of the melt. Polymer, 2020, 199, 122548.	1.8	14
20	Shear-Induced Isotropicâ€“Nematic Transition in Poly(ether ether ketone) Melts. ACS Macro Letters, 2020, 9, 950-956.	2.3	9
21	The Effect of Oligo(oxyethylene) Moieties on Ion Conduction and Dielectric Properties of Norbornene-Based Imidazolium Tf₂N Ionic Liquid Monomers. Macromolecules, 2020, 53, 4990-5000.	2.2	11
22	Glass transition temperature from the chemical structure of conjugated polymers. Nature Communications, 2020, 11, 893.	5.8	130
23	Ion Transport and Mechanical Properties of Non-Crystallizable Molecular Ionic Composite Electrolytes. Macromolecules, 2020, 53, 1405-1414.	2.2	22
24	Shear Flow-Induced Crystallization of Poly(ether ether ketone). Macromolecules, 2020, 53, 3472-3481.	2.2	13
25	Shear-Induced Oriented Crystallization for Isotactic Poly(1-butene) and Its Copolymer with Ethylene. Macromolecules, 2020, 53, 3071-3081.	2.2	10
26	Solvent-non-solvent rapid-injection for preparing nanostructured materials from micelles to hydrogels. Nature Communications, 2019, 10, 3855.	5.8	30
27	Thermal Fluctuations Lead to Cumulative Disorder and Enhance Charge Transport in Conjugated Polymers. Macromolecular Rapid Communications, 2019, 40, e1900134.	2.0	8
28	Ionâ€“Dipole-Interaction-Driven Complexation of Polyethers with Polyviologen-Based Single-Ion Conductors. Macromolecules, 2019, 52, 4240-4250.	2.2	5
29	Hierarchical Sticker and Sticky Chain Dynamics in Self-Healing Butyl Rubber Ionomers. Macromolecules, 2019, 52, 4169-4184.	2.2	48
30	Constraint Release Mechanisms for H-Polymers Moving in Linear Matrices of Varying Molar Masses. Macromolecules, 2019, 52, 3010-3028.	2.2	21
31	Ion Conducting ROMP Monomers Based on (Oxa)norbornenes with Pendant Imidazolium Salts Connected via Oligo(oxyethylene) Units and with Oligo(ethyleneoxy) Terminal Moieties. Macromolecules, 2019, 52, 1371-1388.	2.2	6
32	Studies of Ion Conductance in Polymers Derived from Norbornene Imidazolium Salts Containing Ethyleneoxy Moieties. Macromolecules, 2019, 52, 1389-1399.	2.2	5
33	Influence of Bibenzoate Regioisomers on Cyclohexanedimethanol-Based (Co)polyester Structureâ€“Property Relationships. Macromolecules, 2019, 52, 835-843.	2.2	13
34	Isothermal crystallization of poly(ether ether ketone) with different molecular weights over a wide temperature range. Polymer Crystallization, 2019, 2, e10055.	0.5	23
35	Linear Viscoelasticity and Cation Conduction in Polyurethane Sulfonate Ionomers with Ions in the Soft Segmentâ€“Multiphase Systems. Macromolecules, 2018, 51, 2767-2775.	2.2	16
36	Electrostatic and Hydrophobic Interactions in NaCMC Aqueous Solutions: Effect of Degree of Substitution. Macromolecules, 2018, 51, 3165-3175.	2.2	75

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37	Mechanical Properties of Tandem-Repeat Proteins Are Governed by Network Defects. ACS Biomaterials Science and Engineering, 2018, 4, 884-891.	2.6	26
38	Sensitivity of Polymer Crystallization to Shear at Low and High Supercooling of the Melt. Macromolecules, 2018, 51, 2785-2795.	2.2	43
39	Dynamics of associative polymers. Soft Matter, 2018, 14, 2961-2977.	1.2	184
40	Linear Viscoelasticity and Cation Conduction in Polyurethane Sulfonate Ionomers with Ions in the Soft Segmentâ€“Single Phase Systems. Macromolecules, 2018, 51, 2757-2766.	2.2	16
41	Connecting the Mechanical and Conductive Properties of Conjugated Polymers. Advanced Electronic Materials, 2018, 4, 1700356.	2.6	41
42	Linear viscoelastic response and steady shear viscosity of native cellulose in 1-ethyl-3-methylimidazolium methylphosphonate. Journal of Rheology, 2018, 62, 81-87.	1.3	23
43	Local Chain Alignment via Nematic Ordering Reduces Chain Entanglement in Conjugated Polymers. Macromolecules, 2018, 51, 10271-10284.	2.2	24
44	Crystallization behavior of sheared polyamide 66. AIP Conference Proceedings, 2018, , .	0.3	1
45	Side chain length affects backbone dynamics in poly(3â€alkylthiophene)s. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1193-1202.	2.4	31
46	Isothermal Flow-Induced Crystallization of Polyamide 66 Melts. Macromolecules, 2018, 51, 4269-4279.	2.2	27
47	Practical Oil Spill Recovery by a Combination of Polyolefin Absorbent and Mechanical Skimmer. ACS Sustainable Chemistry and Engineering, 2018, 6, 12036-12045.	3.2	51
48	Linear Viscoelasticity and Swelling of Polyelectrolyte Complex Coacervates. Macromolecules, 2018, 51, 5547-5555.	2.2	62
49	Two Distinct Morphologies for Semicrystalline Isotactic Polypropylene Crystallized after Shear Flow. Macromolecules, 2018, 51, 4750-4761.	2.2	27
50	Morphological Evolution of Ionomer/Plasticizer Mixtures during a Transition from Ionomer to Polyelectrolyte. Macromolecules, 2017, 50, 963-971.	2.2	25
51	Viscosity and Scaling of Semiflexible Polyelectrolyte NaCMC in Aqueous Salt Solutions. Macromolecules, 2017, 50, 332-338.	2.2	94
52	Nonlinear shear and uniaxial extensional rheology of polyether-ester-sulfonate copolymer ionomer melts. Journal of Rheology, 2017, 61, 1279-1289.	1.3	46
53	Discussion of paper by J. Brassinne, A. Cadix, J. Wilson and E. van Ruymbeke, entitled â€˜Dissociating sticker dynamics from chain relaxation in supramolecular polymer networks â€“ The importance of free partner!â€™. Journal of Rheology, 2017, 61, 1135-1136.	1.3	1
54	Discussion of paper by F. Zhuge, L. G. D. Hawke, C.-A. Fustin, J.-F. Gohy and E. van Ruymbeke, entitled â€˜Decoding the linear viscoelastic properties of model telechelic metallo-supramolecular polymersâ€™. Journal of Rheology, 2017, 61, 1263-1265.	1.3	1

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55	The Effect of Water on Rheology of Native Cellulose/Ionic Liquids Solutions. Biomacromolecules, 2017, 18, 2849-2857.	2.6	22
56	The Role of Solvating 12-Crown-4 Plasticizer on Dielectric Constant and Ion Conduction of Poly(ethylene oxide) Single-Ion Conductors. Macromolecules, 2017, 50, 5582-5591.	2.2	32
57	Glass Transition Temperature of Conjugated Polymers by Oscillatory Shear Rheometry. Macromolecules, 2017, 50, 5146-5154.	2.2	78
58	Imidazoliumâ€Based Ionic Liquids as Initiators in Ring Opening Polymerization: Ionic Conduction and Dielectric Response of Endâ€Functional Polycaprolactones and Their Block Copolymers. Macromolecular Chemistry and Physics, 2016, 217, 1270-1281.	1.1	10
59	Diffusive Flux as a New Metric for Ion-Conducting Soft Materials. ACS Energy Letters, 2016, 1, 1179-1183.	8.8	15
60	The diffusion and conduction of lithium in poly(ethylene oxide)-based sulfonate ionomers. Journal of Chemical Physics, 2016, 145, 114903.	1.2	17
61	Viscoelasticity of entangled random polystyrene ionomers. Journal of Rheology, 2016, 60, 1031-1040.	1.3	70
62	Reversible Gelation Model Predictions of the Linear Viscoelasticity of Oligomeric Sulfonated Polystyrene Ionomer Blends. Macromolecules, 2016, 49, 3936-3947.	2.2	35
63	Brittle fracture in associative polymers: the case of ionomer melts. Soft Matter, 2016, 12, 7606-7612.	1.2	34
64	Transition in Crystal Morphology for Flow-Induced Crystallization of Isotactic Polypropylene. Macromolecules, 2016, 49, 5561-5575.	2.2	30
65	Network dynamics in nanofilled polymers. Nature Communications, 2016, 7, 11368.	5.8	180
66	Flow-Induced Crystallization of PEEK: Isothermal Crystallization Kinetics and Lifetime of Flow-Induced Precursors during Isothermal Annealing. ACS Macro Letters, 2016, 5, 849-853.	2.3	43
67	Segmental Dynamics of Ethylene Oxide-Containing Polymers with Diverse Backbone Chemistries. Macromolecules, 2016, 49, 1903-1910.	2.2	13
68	Segmental Dynamics and Dielectric Constant of Polysiloxane Polar Copolymers as Plasticizers for Polymer Electrolytes. ACS Applied Materials & Interfaces, 2016, 8, 3215-3225.	4.0	73
69	Evolution of morphology, segmental dynamics, and conductivity in ionic liquid swollen short side chain perfluorosulfonate ionomer membranes. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1273-1280.	2.4	8
70	Onset of Flow-Induced Crystallization Kinetics of Highly Isotactic Polypropylene. Macromolecules, 2015, 48, 3725-3738.	2.2	74
71	Molecular Volume Effects on the Dynamics of Polymerized Ionic Liquids and their Monomers. Electrochimica Acta, 2015, 175, 55-61.	2.6	76
72	Lifetime of Flow-Induced Precursors in Isotactic Polypropylene. Macromolecules, 2015, 48, 7286-7299.	2.2	57

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73	Ionic aggregate dissolution and conduction in a plasticized single-ion polymer conductor. Polymer, 2015, 59, 133-143.	1.8	44
74	Synthesis, Morphology, and Ion Conduction of Polyphosphazene Ammonium Iodide Ionomers. Macromolecules, 2015, 48, 111-118.	2.2	27
75	Viscoelasticity of Reversible Gelation for Ionomers. Macromolecules, 2015, 48, 1221-1230.	2.2	123
76	Ion Conduction in a Semicrystalline Polyviologen and Its Polyether Mixtures. Macromolecular Chemistry and Physics, 2015, 216, 344-349.	1.1	13
77	Structure of sodium carboxymethyl cellulose aqueous solutions: A SANS and rheology study. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 492-501.	2.4	141
78	Imidazole-containing triblock copolymers with a synergy of ether and imidazolium sites. Journal of Materials Chemistry C, 2015, 3, 3891-3901.	2.7	27
79	Mechanical Reinforcement of Polymer Nanocomposites from Percolation of a Nanoparticle Network. ACS Macro Letters, 2015, 4, 398-402.	2.3	189
80	Ion States and Transport in Styrenesulfonate Methacrylic PEO₉ Random Copolymer Ionomers. Macromolecules, 2015, 48, 7273-7285.	2.2	37
81	Plasticizing Li single-ion conductors with low-volatility siloxane copolymers and oligomers containing ethylene oxide and cyclic carbonates. Journal of Materials Chemistry A, 2015, 3, 21269-21276.	5.2	24
82	Linear Viscoelasticity and Dielectric Spectroscopy of Ionomer/Plasticizer Mixtures: A Transition from Ionomer to Polyelectrolyte. Macromolecules, 2015, 48, 8240-8252.	2.2	49
83	Wellâ€Defined Imidazolium ABA Triblock Copolymers as Ionicâ€Liquidâ€Containing Electroactive Membranes. Macromolecular Chemistry and Physics, 2014, 215, 1319-1331.	1.1	36
84	Dielectric and Viscoelastic Responses of Imidazolium-Based Ionomers with Different Counterions and Side Chain Lengths. Macromolecules, 2014, 47, 777-790.	2.2	179
85	Both protein adsorption and aggregation contribute to shear yielding and viscosity increase in protein solutions. Soft Matter, 2014, 10, 122-131.	1.2	73
86	High Ion Content Siloxane Phosphonium Ionomers with Very Low T_g. Macromolecules, 2014, 47, 4428-4437.	2.2	48
87	Explaining the Non-Newtonian Character of Aggregating Monoclonal Antibody Solutions Using Small-Angle Neutron Scattering. Biophysical Journal, 2014, 107, 469-476.	0.2	32
88	Segmental Dynamics of Polymer Melts with Spherical Nanoparticles. ACS Macro Letters, 2014, 3, 773-777.	2.3	128
89	Influence of Solvating Plasticizer on Ion Conduction of Polysiloxane Single-Ion Conductors. Macromolecules, 2014, 47, 3145-3153.	2.2	63
90	Linear viscoelasticity of sulfonated styrene oligomers near the sol-gel transition. Korea Australia Rheology Journal, 2014, 26, 257-261.	0.7	19

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91	Linear Viscoelasticity and Fourier Transform Infrared Spectroscopy of Polyetherâ€“Esterâ€“Sulfonate Copolymer Ionomers. Macromolecules, 2014, 47, 3635-3644.	2.2	47
92	Official symbols and nomenclature of The Society of Rheology. Journal of Rheology, 2013, 57, 1047-1055.	1.3	57
93	Ionomer dynamics and the sticky Rouse model. Journal of Rheology, 2013, 57, 1441-1462.	1.3	197
94	Linear Viscoelastic and Dielectric Properties of Phosphonium Siloxane Ionomers. ACS Macro Letters, 2013, 2, 970-974.	2.3	63
95	Exploring the role of ion solvation in ethylene oxide based single-ion conducting polyanions and polycations. Soft Matter, 2013, 9, 10275.	1.2	29
96	Polloidal Chains from Self-Assembly of Flattened Particles. Langmuir, 2013, 29, 10340-10345.	1.6	26
97	Electroactuation with single charge carrier ionomers: the roles of electrostatic pressure and steric strain. Soft Matter, 2013, 9, 3767.	1.2	21
98	Polyurethanes Containing an Imidazolium Diolâ€Based Ionicâ€Liquid Chain Extender for Incorporation of Ionicâ€Liquid Electrolytes. Macromolecular Chemistry and Physics, 2013, 214, 1027-1036.	1.1	62
99	Polymerized Ionic Liquids with Enhanced Static Dielectric Constants. Macromolecules, 2013, 46, 1175-1186.	2.2	126
100	Synthesis and Characterization of Maleic Anhydride Grafted Polypropylene with a Well-Defined Molecular Structure. Macromolecules, 2013, 46, 4313-4323.	2.2	62
101	Mesoscopic Structural Length Scales in P3HT/PCBM Mixtures Remain Invariant for Various Processing Conditions. Chemistry of Materials, 2013, 25, 2812-2818.	3.2	19
102	Dispersing Grafted Nanoparticle Assemblies into Polymer Melts through Flow Fields. ACS Macro Letters, 2013, 2, 1051-1055.	2.3	32
103	Statics and dynamics of electroactuation with single-charge-carrier ionomers. Journal of Physics Condensed Matter, 2013, 25, 082203.	0.7	8
104	Solid state nuclear magnetic resonance investigation of polymer backbone dynamics in poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 T 2013, 138, 194907.	1.2	9
105	Cluster-continuum quantum mechanical models to guide the choice of anions for Li+-conducting ionomers. Journal of Chemical Physics, 2013, 139, 204905.	1.2	21
106	Nuclear magnetic resonance investigation of dynamics in poly(ethylene oxide)-based lithium polyether-ester-sulfonate ionomers. Journal of Chemical Physics, 2012, 136, 014510.	1.2	25
107	Self-Assembly of Doublets from Flattened Polymer Colloids. Langmuir, 2012, 28, 4086-4094.	1.6	15
108	Molecular Mobility and Cation Conduction in Polyetherâ€“Esterâ€“Sulfonate Copolymer Ionomers. Macromolecules, 2012, 45, 3962-3973.	2.2	67

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109	Ionic Conduction and Dielectric Response of Poly(imidazolium acrylate) Ionomers. Macromolecules, 2012, 45, 3974-3985.	2.2	151
110	Synthesis and Lithium Ion Conduction of Polysiloxane Single-Ion Conductors Containing Novel Weak-Binding Borates. Chemistry of Materials, 2012, 24, 2316-2323.	3.2	129
111	First Principles Design of Ionomers for Facile Ion Transport. ACS Symposium Series, 2012, , 19-44.	0.5	6
112	Thermally Driven Ionic Aggregation in Poly(ethylene oxide)-Based Sulfonate Ionomers. Journal of the American Chemical Society, 2011, 133, 10826-10831.	6.6	102
113	Model Random Polyampholytes from Nonpolar Methacrylic Esters. Macromolecules, 2011, 44, 3810-3816.	2.2	8
114	Counterion Dynamics in Polyesterâ^'Sulfonate Ionomers with Ionic Liquid Counterions. Macromolecules, 2011, 44, 3572-3582.	2.2	86
115	1,2-Bis[N-(Nâ€²-alkylimidazolium)]ethane salts: a new class of organic ionic plastic crystals. Journal of Materials Chemistry, 2011, 21, 12280.	6.7	54
116	Mechanical Reinforcement in Polymer Melts Filled with Polymer Grafted Nanoparticles. Macromolecules, 2011, 44, 7473-7477.	2.2	180
117	Solution rheology of cellulose in 1-butyl-3-methyl imidazolium chloride. Journal of Rheology, 2011, 55, 485-494.	1.3	78
118	Counterion Dynamics in Polyurethane-Carboxylate Ionomers with Ionic Liquid Counterions. Chemistry of Materials, 2011, 23, 1862-1873.	3.2	92
119	Imidazolium Polyesters: Structureâ€“Property Relationships in Thermal Behavior, Ionic Conductivity, and Morphology. Advanced Functional Materials, 2011, 21, 708-717.	7.8	94
120	Proton conducting 9P2O5â€“6TiO2â€“85SiO2 glass-filled NafionÂ® composite membranes. Journal of Membrane Science, 2011, 366, 421-426.	4.1	7
121	Structure and linear viscoelasticity of flexible polymer solutions: comparison of polyelectrolyte and neutral polymer solutions. Rheologica Acta, 2010, 49, 425-442.	1.1	397
122	Influence of imidazoliumâ€based ionic liquids on the performance of ionic polymer conductor network composite actuators. Polymer International, 2010, 59, 321-328.	1.6	67
123	Ion Conduction in Imidazolium Acrylate Ionic Liquids and their Polymers. Chemistry of Materials, 2010, 22, 5814-5822.	3.2	124
124	â€œGel-likeâ€•Mechanical Reinforcement in Polymer Nanocomposite Melts. Macromolecules, 2010, 43, 1003-1010.	2.2	209
125	Multi-Length Scale Morphology of Poly(ethylene oxide)-Based Sulfonate Ionomers with Alkali Cations at Room Temperature. Macromolecules, 2010, 43, 4223-4229.	2.2	76
126	Controlled Flats on Spherical Polymer Colloids. Langmuir, 2010, 26, 7644-7649.	1.6	24

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127	Role of Distributions of Intramolecular Concentrations on the Dynamics of Miscible Polymer Blends Probed by Molecular Dynamics Simulation. Physical Review Letters, 2009, 103, 037801.	2.9	21
128	Molecular mobility and Li+ conduction in polyester copolymer ionomers based on poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.2	173
129	Anisotropic self-assembly of spherical polymer-grafted nanoparticles. Nature Materials, 2009, 8, 354-359.	13.3	925
130	The effect of physiologically relevant additives on the rheological properties of concentrated Pluronic copolymer gels. Polymer, 2008, 49, 3561-3567.	1.8	58
131	Rheology of Thermoreversible Hydrogels from Multiblock Associating Copolymers. Macromolecules, 2008, 41, 3646-3652.	2.2	37
132	Molecular Mobility, Ion Mobility, and Mobile Ion Concentration in Poly(ethylene oxide)-Based Polyurethane Ionomers. Macromolecules, 2008, 41, 5723-5728.	2.2	181
133	Solution Rheology of a Strongly Charged Polyelectrolyte in Good Solvent. Macromolecules, 2008, 41, 6505-6510.	2.2	40
134	Rheo-NMR of Wormlike Micelles Formed from Nonionic Pluronic Surfactants. Macromolecules, 2008, 41, 804-814.	2.2	20
135	Polyelectrolyte Solution Rheology. AIP Conference Proceedings, 2008, , .	0.3	0
136	Influence of polymer chain connectivity on local composition distribution in miscible polymer blends. Philosophical Magazine, 2008, 88, 3979-3989.	0.7	6
137	Oneâ€pot Synthesis of Long Chain Branch PP (LCBPP) Using Zieglerâ€Natta Catalyst and Branching Reagents. Macromolecular Symposia, 2007, 260, 34-41.	0.4	7
138	Alan A. Jones (1944â€“2006). Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 127-128.	2.4	0
139	Synthesis and Characterization of Long Chain Branched Isotactic Polypropylene via Metallocene Catalyst and T-Reagent. Macromolecules, 2007, 40, 2712-2720.	2.2	112
140	Shear-Induced Layered Structure of Polymeric Micelles by SANS. Macromolecules, 2007, 40, 4016-4022.	2.2	59
141	Dynamics of Miscible Polymer Blends:â€‰ Role of Concentration Fluctuations on Characteristic Segmental Relaxation Times. Macromolecules, 2007, 40, 5759-5766.	2.2	35
142	Dynamics of Miscible Polymer Blends:â€‰ Predicting the Dielectric Response. Macromolecules, 2007, 40, 5767-5775.	2.2	48
143	Dynamic light scattering and rheology studies of aqueous solutions of amphiphilic sodium maleate containing copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 774-785.	2.4	26
144	Ionic partners split up. Nature Materials, 2007, 6, 401-402.	13.3	8

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145	Shear thinning of unentangled flexible polymer liquids. Rheologica Acta, 2007, 46, 569-575.	1.1	84
146	Dielectric scaling in polyelectrolyte solutions with different solvent quality in the dilute concentration regime. Physical Chemistry Chemical Physics, 2006, 8, 3653.	1.3	14
147	Rheopexy of synovial fluid and protein aggregation. Journal of the Royal Society Interface, 2006, 3, 167-174.	1.5	105
148	Synthesis and Characterization of Poly(Ethylene Glycol)-Based Single-Ion Conductors. Chemistry of Materials, 2006, 18, 4288-4295.	3.2	122
149	Modeling electrode polarization in dielectric spectroscopy: Ion mobility and mobile ion concentration of single-ion polymer electrolytes. Journal of Chemical Physics, 2006, 124, 144903.	1.2	403
150	A comparison of rheology, dielectric response, and calorimetry within indane-based glass-formers. Journal of Non-Crystalline Solids, 2006, 352, 4776-4784.	1.5	4
151	Charge density effects in salt-free polyelectrolyte solution rheology. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 2001-2013.	2.4	73
152	Temperature and hydrophobic alcohol-induced structural changes of Pluronics micelles. Physica B: Condensed Matter, 2006, 385-386, 685-687.	1.3	24
153	Collective motion in Poly(ethylene oxide)/poly(methylmethacrylate) blends. Physical Review E, 2005, 72, 031809.	0.8	38
154	Solvent quality influence on the dielectric properties of polyelectrolyte solutions: A scaling approach. Physical Review E, 2005, 72, 031806.	0.8	16
155	Enhanced Elasticity and Soft Glassy Rheology of a Smectic in a Random Porous Environment. Physical Review Letters, 2005, 94, 107801.	2.9	43
156	Conductometric properties of linear polyelectrolytes in poor-solvent condition: The necklace model. Journal of Chemical Physics, 2005, 122, 234906.	1.2	11
157	Segmental Dynamics of Head-to-Head Polypropylene and Polyisobutylene in Their Blend and Pure Components. Macromolecules, 2005, 38, 7721-7729.	2.2	58
158	Modeling the Segmental Relaxation Time Distribution of Miscible Polymer Blends:Â Polyisoprene/Poly(vinylethylene). Macromolecules, 2005, 38, 4919-4928.	2.2	52
159	Glass transition and ionic conduction in plasticized and doped ionomers. Journal of Non-Crystalline Solids, 2005, 351, 2825-2830.	1.5	79
160	Rheology of Polyethylenes with Novel Branching Topology Synthesized by a Chain-Walking Catalyst. Macromolecules, 2005, 38, 10571-10579.	2.2	38
161	Amphiphilic maleic acid-containing alternating copolymers?2. Dilute solution characterization by light scattering, intrinsic viscosity, and PGSE NMR spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 3584-3597.	2.4	17
162	Amphiphilic maleic acid-containing alternating copolymers?1. Dissociation behavior and compositions. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 3571-3583.	2.4	33

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163	Polyampholytes. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 3513-3538.	2.4	269
164	Effect of the Hydrophilic Size on the Structural Phases of Aqueous Nonionic Gemini Surfactant Solutions. Langmuir, 2004, 20, 9061-9068.	1.6	31
165	Structure and Dynamics in Aqueous Solutions of Amphiphilic Sodium Maleate-Containing Alternating Copolymers. Macromolecules, 2004, 37, 8457-8465.	2.2	36
166	Correlations of Solution Rheology with Electrospun Fiber Formation of Linear and Branched Polyesters. Macromolecules, 2004, 37, 1760-1767.	2.2	594
167	Miscible Polymer Blend Dynamics:Â Double Reptation Predictions of Linear Viscoelasticity in Model Blends of Polyisoprene and Poly(vinyl ethylene). Macromolecules, 2004, 37, 6994-7000.	2.2	42
168	Dielectric spectroscopy and conductivity of polyelectrolyte solutions. Journal of Physics Condensed Matter, 2004, 16, R1423-R1463.	0.7	181
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