

Robert B Moore

List of Publications by Year in descending order

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181
papers

12,266
citations

53939

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times ranked

12830
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Strength Liquid Crystal Polymer–Graphene Oxide Nanocomposites from Water. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16592-16600.	4.0	4
2	Tailored sequencing of highly brominated Poly(ether ether ketone) as a means to preserve crystallizability and enhance T _g . <i>Polymer</i> , 2022, 251, 124918.	1.8	3
3	Humidity-Controlled Preparation of Flexible Porous Carbon Fibers from Block Copolymers. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4980-4992.	2.0	6
4	An Al-assisted GO/rGO Janus film: Fabrication and hygroscopic properties. <i>Carbon</i> , 2021, 171, 585-596.	5.4	19
5	Understanding the Mechanical Reinforcement of Metal–Organic Framework–Polymer Composites: The Effect of Aspect Ratio. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51894-51905.	4.0	6
6	Quadruple Hydrogen Bond-Containing A-AB-A Triblock Copolymers: Probing the Influence of Hydrogen Bonding in the Central Block. <i>Molecules</i> , 2021, 26, 4705.	1.7	6
7	Accelerated testing method to estimate the long-term hydrostatic strength of semi-crystalline plastic pipes. <i>Polymer Engineering and Science</i> , 2020, 60, 879-888.	1.5	8
8	Thermal transitions and mechanical relaxations in perfluorinated ionomers. , 2020, , 205-225.		0
9	Phosphonium-Based Polyzwitterions: Influence of Ionic Structure and Association on Mechanical Properties. <i>Macromolecules</i> , 2020, 53, 11009-11018.	2.2	15
10	Phosphonated Poly(ethylene terephthalate) ionomers as compatibilizers in extruded Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	10
11	High-Resolution Comonomer Sequencing of Blocky Brominated Syndiotactic Polystyrene Copolymers Using ¹³ C NMR Spectroscopy and Computer Simulations. <i>Macromolecules</i> , 2020, 53, 9539-9552.	2.2	4
12	Deciphering the 3D Microstructures of a Doubly Charged Homopolymer through a Complementary Correlation of Monomer Crystallography and Polymer Powder X-ray Diffraction. <i>Macromolecules</i> , 2020, 53, 6529-6537.	2.2	2
13	Quadruple Hydrogen Bonding Supramolecular Elastomers for Melt Extrusion Additive Manufacturing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32006-32016.	4.0	41
14	Regioselective Bromination of the Dextran Nonreducing End Creates a Pathway to Dextran-Based Block Copolymers. <i>Biomacromolecules</i> , 2020, 21, 1729-1738.	2.6	5
15	Hierarchical Morphology of Poly(ether ether ketone) Aerogels. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31508-31519.	4.0	22
16	Synthesis and characterization of a nematic fully aromatic polyester based on biphenyl 3,4-dicarboxylic acid. <i>Polymer Chemistry</i> , 2019, 10, 4287-4296.	1.9	9
17	Synthesis and crystallization behavior of rigid copolyesters with biphenyl-4,4'-dicarboxylate and 2,6-naphthalenedicarboxylate in the main chain. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 973-980.	2.4	1
18	Effect of Water Content on Sodium Chloride Sorption in Cross-Linked Cation Exchange Membranes. <i>Macromolecules</i> , 2019, 52, 2569-2579.	2.2	14

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19	Effect of ion concentration on the properties of polyisoprene-sodium styrene sulfonate elastomeric ionomers prepared by emulsion polymerization. <i>Polymer</i> , 2019, 172, 126-132.	1.8	0
20	Sulfonation of blocky brominated PEEK to prepare hydrophilic-hydrophobic blocky copolymers for efficient proton conduction. <i>Solid State Ionics</i> , 2019, 336, 47-56.	1.3	11
21	Compatibilization of Polyester/Polyamide Blends with a Phosphonated Poly(ethylene terephthalate) Ionomer: Comparison of Monovalent and Divalent Pendant Ions. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1071-1080.	2.0	11
22	Double helical conformation and extreme rigidity in a rodlike polyelectrolyte. <i>Nature Communications</i> , 2019, 10, 801.	5.8	36
23	Tailoring the glassy mesophase range of thermotropic polyesters through copolymerization of 4,4'-biphenylene tetracarboxylic diimide and kinked isomer. <i>Polymer</i> , 2019, 163, 125-133.	1.8	13
24	Doubly Charged ABA Triblock Copolymers: Thermomechanically Robust Physical Network and Hierarchical Microstructures. <i>Macromolecules</i> , 2019, 52, 9168-9176.	2.2	10
25	Effect of areal density and fiber orientation on the deformation of thermomechanical bonds in a nonwoven fabric. <i>Polymer Engineering and Science</i> , 2019, 59, 311-322.	1.5	6
26	Quadruple hydrogen bonding containing supramolecular thermoplastic elastomers: Mechanical and morphological correlations. <i>Journal of Polymer Science Part A</i> , 2019, 57, 13-23.	2.5	15
27	Acetyl-protected cytosine and guanine containing acrylics as supramolecular adhesives. <i>Journal of Adhesion</i> , 2019, 95, 146-167.	1.8	7
28	Preferred domain orientation in block copolymer fibers after solvent annealing. <i>Molecular Systems Design and Engineering</i> , 2018, 3, 357-363.	1.7	8
29	Highly Stable Organolead Halide Perovskites Synthesized Through Green Self-Assembly Process. <i>Solar Rrl</i> , 2018, 2, 1800052.	3.1	56
30	Suspension polymerization of itaconic acid diesters. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46417.	1.3	7
31	Blocky bromination of syndiotactic polystyrene <i>via</i> post-polymerization functionalization in the heterogeneous gel state. <i>Polymer Chemistry</i> , 2018, 9, 5095-5106.	1.9	12
32	Synthesis and characterization of phosphonated Poly(ethylene terephthalate) ionomers. <i>Polymer</i> , 2018, 151, 154-163.	1.8	11
33	Blocky Ionomers via Sulfonation of Poly(ether ether ketone) in the Semicrystalline Gel State. <i>Macromolecules</i> , 2018, 51, 6226-6237.	2.2	27
34	Synthesis of urea-containing ABA triblock copolymers: Influence of pendant hydrogen bonding on morphology and thermomechanical properties. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1844-1852.	2.5	10
35	Thermoreversible Gelation of Poly(ether ether ketone). <i>ACS Macro Letters</i> , 2017, 6, 262-266.	2.3	30
36	Supramolecular elastomers. Particulate β -sheet nanocrystal-reinforced synthetic elastic networks. <i>Polymer</i> , 2017, 121, 97-105.	1.8	8

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37	Synthesis of Polysulfone-Containing Poly(butylene terephthalate) Segmented Block Copolymers: Influence of Segment Length on Thermomechanical Performance. <i>Macromolecules</i> , 2017, 50, 5107-5113.	2.2	8
38	Wafer-Scale Single-Crystalline Ferroelectric Perovskite Nanorod Arrays. <i>Advanced Functional Materials</i> , 2017, 27, 1701542.	7.8	7
39	Mechanically robust and superhydrophobic aerogels of poly(ether ether ketone). <i>Polymer</i> , 2017, 126, 437-445.	1.8	22
40	Probing Co-Assembly of Supramolecular Photocatalysts and Polyelectrolytes Using Isothermal Titration Calorimetry. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6238-6244.	1.2	8
41	Blocky Sulfonation of Syndiotactic Polystyrene: A Facile Route toward Tailored Ionomer Architecture via Postpolymerization Functionalization in the Gel State. <i>Macromolecules</i> , 2017, 50, 2387-2396.	2.2	20
42	Ionomer solution to film solidification dependence upon solvent type and its impact upon morphology and ion transport. <i>European Polymer Journal</i> , 2017, 97, 169-177.	2.6	10
43	Living anionic polymerization of 4-diphenylphosphino styrene for ABC triblock copolymers. <i>Polymer International</i> , 2017, 66, 52-58.	1.6	4
44	A new hydrophilic supramolecular photocatalyst for the production of H ₂ in aerobic aqueous solutions. <i>Chemical Communications</i> , 2016, 52, 8663-8666.	2.2	6
45	Non-isocyanate poly(amide-hydroxyurethane)s from sustainable resources. <i>Green Chemistry</i> , 2016, 18, 4667-4681.	4.6	74
46	Debonding of confined elastomeric layer using cohesive zone model. <i>International Journal of Adhesion and Adhesives</i> , 2016, 66, 114-127.	1.4	18
47	Influence of nucleobase stoichiometry on the self-assembly of ABC triblock copolymers. <i>Chemical Communications</i> , 2016, 52, 7564-7567.	2.2	19
48	Doubly-Charged Ionomers with Enhanced Microphase-Separation. <i>Macromolecules</i> , 2016, 49, 6965-6972.	2.2	12
49	Ureido cytosine and cytosine-containing acrylic copolymers. <i>Polymer Chemistry</i> , 2016, 7, 6671-6681.	1.9	25
50	The Controlling Mechanism for Potential Loss in CH ₃ NH ₃ PbBr ₃ Hybrid Solar Cells. <i>ACS Energy Letters</i> , 2016, 1, 424-430.	8.8	77
51	Imidazolium-Containing ABA Triblock Copolymers as Electroactive Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1280-1288.	4.0	40
52	Phosphonium-containing diblock copolymers from living anionic polymerization of 4-diphenylphosphino styrene. <i>Chemical Communications</i> , 2016, 52, 950-953.	2.2	10
53	Synthesis and Properties of Segmented Polyurethanes with Triptycene Units in the Soft Segment. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1180-1191.	1.1	10
54	High-Performance Segmented Liquid Crystalline Copolyesters. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1754-1763.	1.1	12

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55	Increased Water Reduction Efficiency of Polyelectrolyte-Bound Trimetallic [Ru,Rh,Ru] Photocatalysts in Air-Saturated Aqueous Solutions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12819-12822.	7.2	7
56	Development and Validation of a Uniaxial Nonlinear Viscoelastic Viscoplastic Stress Model for a Fuel Cell Membrane. <i>Journal of Fuel Cell Science and Technology</i> , 2015, 12, .	0.8	3
57	Nucleobase-functionalized acrylic ABA triblock copolymers and supramolecular blends. <i>Polymer Chemistry</i> , 2015, 6, 2434-2444.	1.9	49
58	Imidazole-containing triblock copolymers with a synergy of ether and imidazolium sites. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3891-3901.	2.7	27
59	Multiscale Lithium and Counterion Transport in an Electrospun Polymer-Gel Electrolyte. <i>Macromolecules</i> , 2015, 48, 4481-4490.	2.2	31
60	Electrochemistry of rechargeable lithium-air batteries. , 2015, , 149-181.		1
61	New semicrystalline block copolymers of poly(arylene ether sulfone)s and poly(1,4-cyclohexylenedimethylene terephthalate). <i>Polymer</i> , 2015, 74, 86-93.	1.8	8
62	Size dependent ion-exchange of large mixed-metal complexes into Nafion [®] membranes. <i>Polymer Chemistry</i> , 2015, 6, 6870-6879.	1.9	4
63	Assessing the Tearing Energy of a Hydrocarbon Elastomeric Seal Material for Fuel Cell Applications. <i>Fuel Cells</i> , 2014, 14, 543-550.	1.5	1
64	Synthesis and Characterization of Polysulfone-Containing Poly(butylene terephthalate) Segmented Block Copolymers. <i>Macromolecules</i> , 2014, 47, 8171-8177.	2.2	19
65	Synthesis and characterization of perfectly alternating polycarbonate-polydimethylsiloxane multiblock copolymers possessing controlled block lengths. <i>Polymer Engineering and Science</i> , 2014, 54, 1648-1663.	1.5	3
66	Aligned assembly of nano and microscale polystyrene tubes with controlled morphology. <i>Polymer</i> , 2014, 55, 3008-3014.	1.8	7
67	Synthesis and characterization of poly(propylene glycol) polytrioxamide and poly(urea oxamide) segmented copolymers. <i>Polymer International</i> , 2014, 63, 1184-1191.	1.6	13
68	Structure, physical properties, and molecule transport of gas, liquid, and ions within a pentablock copolymer. <i>Journal of Membrane Science</i> , 2014, 464, 179-187.	4.1	37
69	Multiblock Copolymers Based upon Increased Hydrophobicity Bisphenol A Moieties for Proton Exchange Membranes. <i>Journal of the Electrochemical Society</i> , 2014, 161, F535-F543.	1.3	14
70	Fabrication of black hierarchical TiO ₂ nanostructures with enhanced photocatalytic activity. <i>RSC Advances</i> , 2014, 4, 29443-29449.	1.7	26
71	Nucleobase-functionalized ABC triblock copolymers: self-assembly of supramolecular architectures. <i>Chemical Communications</i> , 2014, 50, 9145-9148.	2.2	39
72	Electrospun hybrid fibers with substantial filler contents formed through kinetically arrested phase separation in liquid jet. <i>RSC Advances</i> , 2014, 4, 27683-27686.	1.7	7

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73	Solution properties and electrospinning of phosphonium gemini surfactants. <i>Soft Matter</i> , 2014, 10, 3970-3977.	1.2	22
74	Water-dispersible cationic polyurethanes containing pendant trialkylphosphoniums. <i>Polymer Chemistry</i> , 2014, 5, 3795-3803.	1.9	39
75	Visible light induced photocatalytic activity of Fe ³⁺ /Ti ³⁺ co-doped TiO ₂ nanostructures. <i>RSC Advances</i> , 2014, 4, 18033-18037.	1.7	26
76	Association of Nucleobase-Containing Ammonium Ionenenes. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 2337-2344.	1.1	9
77	Synthesis and characterization of siloxane-containing poly(urea-oxamide) segmented copolymers. <i>Polymer</i> , 2013, 54, 4849-4857.	1.8	33
78	Effects of Copolymer Structure on the Mechanical Properties of Poly(dimethyl siloxane) Poly(oxamide) Segmented Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2073-2082.	1.1	21
79	Sulfonated Poly(arylene sulfide sulfone nitrile) Multiblock Copolymers with Ordered Morphology for Proton Exchange Membranes. <i>Macromolecules</i> , 2013, 46, 7797-7804.	2.2	75
80	Synthesis and properties of segmented polyurethanes with triptycene units in the hard segment. <i>Polymer</i> , 2013, 54, 6910-6917.	1.8	36
81	Quantitation of Complexed versus Free Polymers in Interpolyelectrolyte Polyplex Formulations. <i>ACS Macro Letters</i> , 2013, 2, 1038-1041.	2.3	15
82	Influence of charge placement on the thermal and morphological properties of sulfonated segmented copolyesters. <i>Polymer</i> , 2013, 54, 3521-3528.	1.8	14
83	Comparing Ammonium and Phosphonium Polymerized Ionic Liquids: Thermal Analysis, Conductivity, and Morphology. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2099-2107.	1.1	87
84	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.	1.1	62
85	Multiblock poly(arylene ether nitrile) disulfonated poly(arylene ether sulfone) copolymers for proton exchange membranes: Part 1 synthesis and characterization. <i>Polymer</i> , 2013, 54, 6305-6313.	1.8	34
86	The effect of block length upon structure, physical properties, and transport within a series of sulfonated poly(arylene ether sulfone)s. <i>Journal of Membrane Science</i> , 2013, 430, 106-112.	4.1	24
87	Poly(ethylene glycol)-based ammonium ionenes containing nucleobases. <i>Polymer</i> , 2013, 54, 1588-1595.	1.8	21
88	Synthesis and characterization of 4-vinylimidazole ABA triblock copolymers utilizing a difunctional RAFT chain transfer agent. <i>Polymer Chemistry</i> , 2013, 4, 2333.	1.9	25
89	Synthesis and characterization of multiblock partially fluorinated hydrophobic poly(arylene ether) membranes. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2301-2310.	2.5	33
90	Electrochemical Detection of Sodium Borohydride in Alkaline Media by Gold Electrode. <i>Electrochemical and Solid-State Letters</i> , 2012, 15, B39.	2.2	6

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91	Characterization of the Fracture Energy of a PFCB/PVDF Polymer Electrolyte Fuel Cell Membrane Using a Knife Slit Test. , 2012, , .		0
92	Development and Validation of a Non-Linear Viscoelastic Viscoplastic Stress Model for a PFCB/PVDF Fuel Cell Membrane. , 2012, , .		1
93	Lithium oxides precipitation in nonaqueous Li-air batteries. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13487.	1.3	44
94	RAFT Synthesis of ABA Triblock Copolymers as Ionic Liquid-Containing Electroactive Membranes. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6552-6559.	4.0	46
95	Direct Borohydride Oxidation at Carbon Supported Pt-Sn Binary Catalyst. <i>Journal of the Electrochemical Society</i> , 2012, 159, F412-F418.	1.3	8
96	Ultrathin Chitin Films for Nanocomposites and Biosensors. <i>Biomacromolecules</i> , 2012, 13, 714-718.	2.6	56
97	Chain Stiffness of Stilbene Containing Alternating Copolymers by SAXS and SEC. <i>Macromolecules</i> , 2012, 45, 1595-1601.	2.2	21
98	Nucleobase Self-Assembly in Supramolecular Adhesives. <i>Macromolecules</i> , 2012, 45, 805-812.	2.2	119
99	Ionic aggregation in random copolymers containing phosphonium ionic liquid monomers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 166-173.	2.5	49
100	Melt transesterification and characterization of segmented block copolyesters containing 2,2,4,4-tetramethyl-1,3-cyclobutanediol. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3710-3718.	2.5	33
101	Influence of ionic charge placement on performance of poly(ethylene glycol)-based sulfonated polyurethanes. <i>Polymer</i> , 2012, 53, 1203-1211.	1.8	42
102	The preparation of nano-clay/polypropylene composite materials with improved properties using supercritical carbon dioxide and a sequential mixing technique. <i>Polymer</i> , 2012, 53, 1373-1382.	1.8	41
103	Supramolecular Pseudorotaxane Graft Copolymer from a Crown Ether Polyester and a Complementary Paraquat-Terminated Polystyrene Guest. <i>Macromolecules</i> , 2011, 44, 5987-5993.	2.2	68
104	Influence of Zwitterions on Thermomechanical Properties and Morphology of Acrylic Copolymers: Implications for Electroactive Applications. <i>Macromolecules</i> , 2011, 44, 8056-8063.	2.2	49
105	Oriented Morphology and Anisotropic Transport in Uniaxially Stretched Perfluorosulfonate Ionomer Membranes. <i>Macromolecules</i> , 2011, 44, 5701-5710.	2.2	82
106	Linear coupling of alignment with transport in a polymer electrolyte membrane. <i>Nature Materials</i> , 2011, 10, 507-511.	13.3	144
107	Phosphonium-Containing ABA Triblock Copolymers: Controlled Free Radical Polymerization of Phosphonium Ionic Liquids. <i>Macromolecules</i> , 2011, 44, 6509-6517.	2.2	84
108	Graphene-based electrochemical energy conversion and storage: fuel cells, supercapacitors and lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15384.	1.3	488

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109	A unified morphological description of Nafion membranes from SAXS and mesoscale simulations. <i>Soft Matter</i> , 2011, 7, 6820.	1.2	109
110	Morphological Factors Affecting the Behavior of Water in Proton Exchange Membrane Materials. <i>ECS Transactions</i> , 2011, 41, 87-100.	0.3	11
111	Stress-Lifetime Characterization of Proton Exchange Membrane Using 3-D Digital Image Correlation and Pressure-Loaded Blister Tests. , 2011, , .		0
112	Viscoelastic and gas transport properties of a series of multiblock copolymer ionomers. <i>Polymer</i> , 2011, 52, 3963-3969.	1.8	13
113	Assessing Durability of Elastomeric Seals For Fuel Cell Applications. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2011, , 175-181.	0.3	1
114	Isothermal crystallization of lightly sulfonated syndiotactic polystyrene/montmorillonite clay nanocomposites. <i>Polymer</i> , 2010, 51, 5462-5472.	1.8	13
115	Poly(propylene glycol)-based ammonium ionenes as segmented ion-containing block copolymers. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4159-4167.	2.5	17
116	Effect of Ionic Liquid on Mechanical Properties and Morphology of Zwitterionic Copolymer Membranes. <i>Macromolecules</i> , 2010, 43, 790-796.	2.2	61
117	Electrically stimulated gradients in water and counterion concentrations within electroactive polymer actuators. <i>Soft Matter</i> , 2010, 6, 1444.	1.2	25
118	Electromechanical performance and membrane stability of novel ionic polymer transducers constructed in the presence of ionic liquids. , 2009, , .		2
119	Counterion motions and thermal ordering effects in perfluorosulfonate ionomers probed by solid-state NMR. <i>Polymer</i> , 2009, 50, 5720-5727.	1.8	10
120	Effects of block length and solution-casting conditions on the final morphology and properties of disulfonated poly(arylene ether sulfone) multiblock copolymer films for proton exchange membranes. <i>Polymer</i> , 2009, 50, 6129-6138.	1.8	115
121	Direct Analysis of the Ion-Hopping Process Associated with the β -Relaxation in Perfluorosulfonate Ionomers Using Quasielastic Neutron Scattering. <i>Macromolecules</i> , 2009, 42, 2729-2736.	2.2	51
122	Influence of Ordered Morphology on the Anisotropic Actuation in Uniaxially Oriented Electroactive Polymer Systems. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 697-702.	4.0	20
123	Glass Transition Temperature of Perfluorosulfonic Acid Ionomers. <i>Macromolecules</i> , 2007, 40, 3886-3890.	2.2	165
124	Variable temperature ^{19}F solid-state NMR study of the effect of electrostatic interactions on thermally-stimulated molecular motions in perfluorosulfonate ionomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 2177-2186.	2.4	17
125	Broadband dielectric spectroscopic characterization of Nafion [®] chemical degradation. <i>Journal of Power Sources</i> , 2007, 172, 72-77.	4.0	18
126	SAXS Analysis of the Thermal Relaxation of Anisotropic Morphologies in Oriented Nafion Membranes. <i>Macromolecules</i> , 2006, 39, 3939-3946.	2.2	109

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127	Mechanical and transport property modifications of perfluorosulfonate ionomer membranes prepared with mixed organic and inorganic counterions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 2267-2277.	2.4	22
128	Counterion dependent crystallization kinetics in blends of a perfluorosulfonate ionomer with poly(vinylidene fluoride). <i>Polymer</i> , 2006, 47, 7425-7435.	1.8	11
129	Ionic actuators based on novel sulfonated ethylene vinyl alcohol copolymer membranes. <i>Polymer</i> , 2005, 46, 7788-7802.	1.8	57
130	Poly(ethylene terephthalate) ionomer based clay nanocomposites produced via melt extrusion. <i>Polymer</i> , 2005, 46, 6706-6714.	1.8	119
131	Interfacial Tension and Fiber Lifetime of Ionomer-Compatibilized Blends Investigated by Embedded Fiber Retraction. <i>Journal of Macromolecular Science - Physics</i> , 2005, 44, 677-687.	0.4	1
132	Characterization of Ionomer-Compatibilized Blend Morphology Using Synchrotron Small-Angle X-ray Scattering. <i>Macromolecules</i> , 2005, 38, 2813-2819.	2.2	13
133	Molecular Origins of the Thermal Transitions and Dynamic Mechanical Relaxations in Perfluorosulfonate Ionomers. <i>Macromolecules</i> , 2005, 38, 6472-6484.	2.2	193
134	Influence of Electrostatic Interactions on Chain Dynamics and Morphological Development in Perfluorosulfonate Ionomer Membranes. <i>Materials Research Society Symposia Proceedings</i> , 2004, 856, BB6.4.1.	0.1	0
135	Morphological Manipulation and Plasticization of the Electrostatic Network in Perfluorosulfonate Ionomers. <i>Materials Research Society Symposia Proceedings</i> , 2004, 856, BB8.11.1.	0.1	0
136	Influence of ionic aggregation on the surface energies of crystallites in poly(butylene terephthalate) ionomers. <i>Polymer</i> , 2004, 45, 8425-8434.	1.8	11
137	Influence of ionic compatibilizers on the morphology and properties of amorphous polyester/polyamide blends. <i>Polymer Engineering and Science</i> , 2004, 44, 1721-1731.	1.5	20
138	Photoinitiated grafting of maleic anhydride onto polypropylene. <i>Journal of Polymer Science Part A</i> , 2004, 42, 1953-1962.	2.5	45
139	State of Understanding of Nafion. <i>ChemInform</i> , 2004, 35, no.	0.1	5
140	State of Understanding of Nafion. <i>Chemical Reviews</i> , 2004, 104, 4535-4586.	23.0	4,075
141	Compatibilization of PP/EPDM Blends via a Hexa Functional Coupling Agent and Peroxide During Reactive Extrusion. <i>Journal of Elastomers and Plastics</i> , 2002, 34, 171-183.	0.7	12
142	Nanocomposites Derived from Sulfonated Poly(butylene terephthalate). <i>Macromolecules</i> , 2002, 35, 5508-5516.	2.2	144
143	Polyester Ionomers as Functional Compatibilizers for Blends with Condensation Polymers and Nanocomposites. , 2002, , 63-79.		0
144	Microstructure Determination of AOT + Phenol Organogels Utilizing Small-Angle X-ray Scattering and Atomic Force Microscopy. <i>Journal of the American Chemical Society</i> , 2001, 123, 2414-2421.	6.6	110

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145	Comparison of carboxylated and maleated polypropylene as reactive compatibilizers in polypropylene/polyamide-6,6 blends. <i>Journal of Applied Polymer Science</i> , 2001, 79, 2398-2407.	1.3	15
146	Facile Synthesis of Hexakis(4-Formylphenoxy)-Cyclotriphosphazene and Hexakis(4-Acetophenoxy)-Cyclotriphosphazene. <i>Synthetic Communications</i> , 2000, 30, 1227-1232.	1.1	2
147	Small-Angle Scattering Study of Short Pendant Chain Perfluorosulfonated Ionomer Membranes. <i>Macromolecules</i> , 2000, 33, 4850-4855.	2.2	153
148	Blends of a Perfluorosulfonate Ionomer with Poly(vinylidene fluoride): Effect of Counterion Type on Phase Separation and Crystal Morphology. <i>Macromolecules</i> , 2000, 33, 6031-6041.	2.2	44
149	Reactive compatibilization of polypropylene and polyamide-6,6 with carboxylated and maleated polypropylene. <i>Polymer Engineering and Science</i> , 1999, 39, 1921-1929.	1.5	29
150	Effect of Preferential Plasticization on the Crystallization of Lightly Sulfonated Syndiotactic Polystyrene Ionomers. <i>Macromolecules</i> , 1999, 32, 1180-1188.	2.2	25
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