

Robert B Moore

List of Publications by Year in descending order

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181
papers

12,266
citations

47006

47
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108
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185
all docs

185
docs citations

185
times ranked

11176
citing authors

#	ARTICLE	IF	CITATIONS
1	State of Understanding of Nafion. <i>Chemical Reviews</i> , 2004, 104, 4535-4586.	47.7	4,075
2	A new multiplet-cluster model for the morphology of random ionomers. <i>Macromolecules</i> , 1990, 23, 4098-4107.	4.8	868
3	Graphene-based electrochemical energy conversion and storage: fuel cells, supercapacitors and lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15384.	2.8	488
4	Chemical and morphological properties of solution-cast perfluorosulfonate ionomers. <i>Macromolecules</i> , 1988, 21, 1334-1339.	4.8	313
5	Ion exchange and transport of neurotransmitters in nafion films on conventional and microelectrode surfaces. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 188, 85-94.	0.1	311
6	Molecular Origins of the Thermal Transitions and Dynamic Mechanical Relaxations in Perfluorosulfonate Ionomers. <i>Macromolecules</i> , 2005, 38, 6472-6484.	4.8	193
7	Glass Transition Temperature of Perfluorosulfonic Acid Ionomers. <i>Macromolecules</i> , 2007, 40, 3886-3890.	4.8	165
8	Small-Angle Scattering Study of Short Pendant Chain Perfluorosulfonated Ionomer Membranes. <i>Macromolecules</i> , 2000, 33, 4850-4855.	4.8	153
9	TGA/FTIR investigation of the thermal degradation of Nafion® and Nafion®/[silicon oxide]-based nanocomposites. <i>Polymer</i> , 1998, 39, 5961-5972.	3.8	147
10	Morphology and chemical properties of the Dow perfluorosulfonate ionomers. <i>Macromolecules</i> , 1989, 22, 3594-3599.	4.8	144
11	Nanocomposites Derived from Sulfonated Poly(butylene terephthalate). <i>Macromolecules</i> , 2002, 35, 5508-5516.	4.8	144
12	Linear coupling of alignment with transport in a polymer electrolyte membrane. <i>Nature Materials</i> , 2011, 10, 507-511.	27.5	144
13	Nafion _{1/2} /(SiO ₂ , ORMOSIL, and dimethylsiloxane) hybrids via in situ sol-gel reactions: Characterization of fundamental properties. <i>Journal of Applied Polymer Science</i> , 1998, 68, 747-763.	2.6	142
14	Sensors from polymer modified electrodes. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1986, 82, 1051.	1.0	137
15	Procedure for preparing solution-cast perfluorosulfonate ionomer films and membranes. <i>Analytical Chemistry</i> , 1986, 58, 2569-2570.	6.5	134
16	Poly(ethylene terephthalate) ionomer based clay nanocomposites produced via melt extrusion. <i>Polymer</i> , 2005, 46, 6706-6714.	3.8	119
17	Nucleobase Self-Assembly in Supramolecular Adhesives. <i>Macromolecules</i> , 2012, 45, 805-812.	4.8	119
18	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.	3.8	115

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19	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.	13.7	110
20	SAXS Analysis of the Thermal Relaxation of Anisotropic Morphologies in Oriented Nafion Membranes. <i>Macromolecules</i> , 2006, 39, 3939-3946.	4.8	109
21	A unified morphological description of Nafion membranes from SAXS and mesoscale simulations. <i>Soft Matter</i> , 2011, 7, 6820.	2.7	109
22	Novel Nafion/ORMOSIL Hybrids via in Situ Sol-Gel Reactions. 1. Probe of ORMOSIL Phase Nanostructures by Infrared Spectroscopy. <i>Chemistry of Materials</i> , 1995, 7, 2259-2268.	6.7	100
23	{Perfluorosulfonate Ionomer}/[Mixed Inorganic Oxide] Nanocomposites via Polymer-in Situ Sol-Gel Chemistry. <i>Chemistry of Materials</i> , 1995, 7, 192-200.	6.7	98
24	Sulfonation of syndiotactic polystyrene for model semicrystalline ionomer investigations. <i>Macromolecules</i> , 1993, 26, 5157-5160.	4.8	91
25	Comparing Ammonium and Phosphonium Polymerized Ionic Liquids: Thermal Analysis, Conductivity, and Morphology. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2099-2107.	2.2	87
26	Phosphonium-Containing ABA Triblock Copolymers: Controlled Free Radical Polymerization of Phosphonium Ionic Liquids. <i>Macromolecules</i> , 2011, 44, 6509-6517.	4.8	84
27	Effects of hydrophilic and hydrophobic counterions on the Coulombic interactions in perfluorosulfonate ionomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995, 33, 1065-1072.	2.1	82
28	Oriented Morphology and Anisotropic Transport in Uniaxially Stretched Perfluorosulfonate Ionomer Membranes. <i>Macromolecules</i> , 2011, 44, 5701-5710.	4.8	82
29	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.	17.4	77
30	Sulfonated Poly(arylene sulfide sulfone nitrile) Multiblock Copolymers with Ordered Morphology for Proton Exchange Membranes. <i>Macromolecules</i> , 2013, 46, 7797-7804.	4.8	75
31	Non-isocyanate poly(amide-hydroxyurethane)s from sustainable resources. <i>Green Chemistry</i> , 2016, 18, 4667-4681.	9.0	74
32	Supramolecular Pseudorotaxane Graft Copolymer from a Crown Ether Polyester and a Complementary Paraquat-Terminated Polystyrene Guest. <i>Macromolecules</i> , 2011, 44, 5987-5993.	4.8	68
33	[Perfluorosulfonate ionomer]/[SiO ₂ -TiO ₂] nanocomposites via polymer-in situ sol-gel chemistry: Sequential alkoxide procedure. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996, 34, 873-882.	2.1	67
34	Small-angle x-ray scattering investigations of ionomers with variable-length side chains. <i>Macromolecules</i> , 1991, 24, 1376-1382.	4.8	64
35	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.	2.2	62
36	Effect of Ionic Liquid on Mechanical Properties and Morphology of Zwitterionic Copolymer Membranes. <i>Macromolecules</i> , 2010, 43, 790-796.	4.8	61

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37	Barriers to flow in semicrystalline ionomers. A procedure for preparing melt-processed perfluorosulfonate ionomer films and membranes. <i>Journal of Membrane Science</i> , 1992, 75, 7-14.	8.2	59
38	Influence of Ionic Interactions on the Crystallization of Lightly Sulfonated Syndiotactic Polystyrene Ionomers. <i>Macromolecules</i> , 1994, 27, 4774-4780.	4.8	59
39	Anisotropic ionic conductivity in uniaxially oriented perfluorosulfonate ionomers. <i>Chemistry of Materials</i> , 1995, 7, 1601-1603.	6.7	57
40	Ionic actuators based on novel sulfonated ethylene vinyl alcohol copolymer membranes. <i>Polymer</i> , 2005, 46, 7788-7802.	3.8	57
41	Nafion/ORMOSIL Hybrids via in Situ Sol-Gel Reactions. 3. Pyrene Fluorescence Probe Investigations of Nanoscale Environment. <i>Chemistry of Materials</i> , 1997, 9, 36-44.	6.7	56
42	Ultrathin Chitin Films for Nanocomposites and Biosensors. <i>Biomacromolecules</i> , 2012, 13, 714-718.	5.4	56
43	Highly Stable Organo-Lead Halide Perovskites Synthesized Through Green Self-Assembly Process. <i>Solar Rrl</i> , 2018, 2, 1800052.	5.8	56
44	Direct Analysis of the Ion-Hopping Process Associated with the τ_2 -Relaxation in Perfluorosulfonate Ionomers Using Quasielastic Neutron Scattering. <i>Macromolecules</i> , 2009, 42, 2729-2736.	4.8	51
45	Influence of Zwitterions on Thermomechanical Properties and Morphology of Acrylic Copolymers: Implications for Electroactive Applications. <i>Macromolecules</i> , 2011, 44, 8056-8063.	4.8	49
46	Ionic aggregation in random copolymers containing phosphonium ionic liquid monomers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 166-173.	2.3	49
47	Nucleobase-functionalized acrylic ABA triblock copolymers and supramolecular blends. <i>Polymer Chemistry</i> , 2015, 6, 2434-2444.	3.9	49
48	Small-Angle X-ray scattering studies of Nafion [®] /[silicon oxide] and Nafion [®] /ORMOSIL nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996, 34, 1917-1923.	2.1	48
49	Asymmetric [Nafion [®]] _{1/2} /[silicon oxide] hybrid membranes via their in situ sol-gel reaction for tetraethoxysilane. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996, 34, 2383-2392.	2.1	47
50	RAFT Synthesis of ABA Triblock Copolymers as Ionic Liquid-Containing Electroactive Membranes. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6552-6559.	8.0	46
51	Photoinitiated grafting of maleic anhydride onto polypropylene. <i>Journal of Polymer Science Part A</i> , 2004, 42, 1953-1962.	2.3	45
52	Carboxylation of polypropylene by reactive extrusion with functionalised peroxides. <i>Polymer</i> , 1998, 39, 2571-2577.	3.8	44
53	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.	4.8	44
54	Lithium oxides precipitation in nonaqueous Li-air batteries. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13487.	2.8	44

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55	Influence of ionic charge placement on performance of poly(ethylene glycol)-based sulfonated polyurethanes. <i>Polymer</i> , 2012, 53, 1203-1211.	3.8	42
56	Crystallization Kinetics as a Probe of the Dynamic Network in Lightly Sulfonated Syndiotactic Polystyrene Ionomers. <i>Macromolecules</i> , 1996, 29, 5965-5971.	4.8	41
57	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.	3.8	41
58	Quadruple Hydrogen Bonding Supramolecular Elastomers for Melt Extrusion Additive Manufacturing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32006-32016.	8.0	41
59	Preferential cluster-phase plasticization of ionomers containing surfactant molecules. <i>Macromolecules</i> , 1993, 26, 5256-5258.	4.8	40
60	Imidazolium-Containing ABA Triblock Copolymers as Electroactive Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1280-1288.	8.0	40
61	Novel Nafion [®] /ORMOSIL hybrids via in situ sol-gel reactions: 2. Probe of ORMOSIL phase nanostructure by ²⁹ Si solid state NMR spectroscopy. <i>Journal of Sol-Gel Science and Technology</i> , 1996, 7, 177-190.	2.4	39
62	Nucleobase-functionalized ABC triblock copolymers: self-assembly of supramolecular architectures. <i>Chemical Communications</i> , 2014, 50, 9145-9148.	4.1	39
63	Water-dispersible cationic polyurethanes containing pendant trialkylphosphoniums. <i>Polymer Chemistry</i> , 2014, 5, 3795-3803.	3.9	39
64	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.	8.2	37
65	Synthesis and properties of segmented polyurethanes with triptycene units in the hard segment. <i>Polymer</i> , 2013, 54, 6910-6917.	3.8	36
66	Double helical conformation and extreme rigidity in a rodlike polyelectrolyte. <i>Nature Communications</i> , 2019, 10, 801.	12.8	36
67	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.	3.8	34
68	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.	2.3	33
69	Synthesis and characterization of siloxane-containing poly(urea-oxamide) segmented copolymers. <i>Polymer</i> , 2013, 54, 4849-4857.	3.8	33
70	Synthesis and characterization of multiblock partially fluorinated hydrophobic poly(arylene ether) membranes. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2301-2310.	2.3	33
71	Multiscale Lithium and Counterion Transport in an Electrospun Polymer-Gel Electrolyte. <i>Macromolecules</i> , 2015, 48, 4481-4490.	4.8	31
72	Chemical modification of a Nafion [®] sulfonyl fluoride precursor via in situ sol-gel reactions. <i>Polymer</i> , 1997, 38, 1345-1356.	3.8	30

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73	Thermoreversible Gelation of Poly(ether ether ketone). ACS Macro Letters, 2017, 6, 262-266.	4.8	30
74	Reactive compatibilization of polypropylene and polyimide-6,6 with carboxylated and maleated polypropylene. Polymer Engineering and Science, 1999, 39, 1921-1929.	3.1	29
75	High-performance liquid chromatographic studies of the ion-exchange selectivity of Nafion. Analytical Chemistry, 1984, 56, 2572-2575.	6.5	27
76	Imidazole-containing triblock copolymers with a synergy of ether and imidazolium sites. Journal of Materials Chemistry C, 2015, 3, 3891-3901.	5.5	27
77	Blocky Ionomers via Sulfonation of Poly(ether ether ketone) in the Semicrystalline Gel State. Macromolecules, 2018, 51, 6226-6237.	4.8	27
78	Fabrication of black hierarchical TiO ₂ nanostructures with enhanced photocatalytic activity. RSC Advances, 2014, 4, 29443-29449.	3.6	26
79	Visible light induced photocatalytic activity of Fe ³⁺ /Ti ³⁺ co-doped TiO ₂ nanostructures. RSC Advances, 2014, 4, 18033-18037.	3.6	26
80	Effect of Preferential Plasticization on the Crystallization of Lightly Sulfonated Syndiotactic Polystyrene Ionomers. Macromolecules, 1999, 32, 1180-1188.	4.8	25
81	Electrically stimulated gradients in water and counterion concentrations within electroactive polymer actuators. Soft Matter, 2010, 6, 1444.	2.7	25
82	Synthesis and characterization of 4-vinylimidazole ABA triblock copolymers utilizing a difunctional RAFT chain transfer agent. Polymer Chemistry, 2013, 4, 2333.	3.9	25
83	Ureido cytosine and cytosine-containing acrylic copolymers. Polymer Chemistry, 2016, 7, 6671-6681.	3.9	25
84	The effect of block length upon structure, physical properties, and transport within a series of sulfonated poly(arylene ether sulfone)s. Journal of Membrane Science, 2013, 430, 106-112.	8.2	24
85	Mechanical and transport property modifications of perfluorosulfonate ionomer membranes prepared with mixed organic and inorganic counterions. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 2267-2277.	2.1	22
86	Solution properties and electrospinning of phosphonium gemini surfactants. Soft Matter, 2014, 10, 3970-3977.	2.7	22
87	Mechanically robust and superhydrophobic aerogels of poly(ether ether ketone). Polymer, 2017, 126, 437-445.	3.8	22
88	Hierarchical Morphology of Poly(ether ether ketone) Aerogels. ACS Applied Materials & Interfaces, 2019, 11, 31508-31519.	8.0	22
89	Heterogeneities in random ionomers. A small-angle x-ray scattering investigation of alkylated polystyrene-based materials. Macromolecules, 1992, 25, 5769-5773.	4.8	21
90	Chain Stiffness of Stilbene Containing Alternating Copolymers by SAXS and SEC. Macromolecules, 2012, 45, 1595-1601.	4.8	21

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91	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.	2.2	21
92	Poly(ethylene glycol)-based ammonium ionenes containing nucleobases. <i>Polymer</i> , 2013, 54, 1588-1595.	3.8	21
93	The role of specific interactions and transreactions on the compatibility of polyester ionomers with poly(ethylene terephthalate) and nylon 6,6. <i>Polymer Engineering and Science</i> , 1998, 38, 1658-1665.	3.1	20
94	Influence of ionomeric compatibilizers on the morphology and properties of amorphous polyester/polyamide blends. <i>Polymer Engineering and Science</i> , 2004, 44, 1721-1731.	3.1	20
95	Influence of Ordered Morphology on the Anisotropic Actuation in Uniaxially Oriented Electroactive Polymer Systems. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 697-702.	8.0	20
96	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.	4.8	20
97	Synthesis and Characterization of Polysulfone-Containing Poly(butylene terephthalate) Segmented Block Copolymers. <i>Macromolecules</i> , 2014, 47, 8171-8177.	4.8	19
98	Influence of nucleobase stoichiometry on the self-assembly of ABC triblock copolymers. <i>Chemical Communications</i> , 2016, 52, 7564-7567.	4.1	19
99	An Al-assisted GO/rGO Janus film: Fabrication and hygroscopic properties. <i>Carbon</i> , 2021, 171, 585-596.	10.3	19
100	Broadband dielectric spectroscopic characterization of Nafion® chemical degradation. <i>Journal of Power Sources</i> , 2007, 172, 72-77.	7.8	18
101	Debonding of confined elastomeric layer using cohesive zone model. <i>International Journal of Adhesion and Adhesives</i> , 2016, 66, 114-127.	2.9	18
102	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.	2.1	17
103	Poly(propylene glycol)-based ammonium ionenes as segmented ion-containing block copolymers. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4159-4167.	2.3	17
104	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.	2.6	15
105	Quantitation of Complexed versus Free Polymers in Interpolyelectrolyte Polyplex Formulations. <i>ACS Macro Letters</i> , 2013, 2, 1038-1041.	4.8	15
106	Quadruple hydrogen bonding containing supramolecular thermoplastic elastomers: Mechanical and morphological correlations. <i>Journal of Polymer Science Part A</i> , 2019, 57, 13-23.	2.3	15
107	Phosphonium-Based Polyzwitterions: Influence of Ionic Structure and Association on Mechanical Properties. <i>Macromolecules</i> , 2020, 53, 11009-11018.	4.8	15
108	Influence of charge placement on the thermal and morphological properties of sulfonated segmented copolyesters. <i>Polymer</i> , 2013, 54, 3521-3528.	3.8	14

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109	Multiblock Copolymers Based upon Increased Hydrophobicity Bisphenol A Moieties for Proton Exchange Membranes. <i>Journal of the Electrochemical Society</i> , 2014, 161, F535-F543.	2.9	14
110	Effect of Water Content on Sodium Chloride Sorption in Cross-Linked Cation Exchange Membranes. <i>Macromolecules</i> , 2019, 52, 2569-2579.	4.8	14
111	Characterization of Ionomer-Compatibilized Blend Morphology Using Synchrotron Small-Angle X-ray Scattering. <i>Macromolecules</i> , 2005, 38, 2813-2819.	4.8	13
112	Isothermal crystallization of lightly sulfonated syndiotactic polystyrene/montmorillonite clay nanocomposites. <i>Polymer</i> , 2010, 51, 5462-5472.	3.8	13
113	Viscoelastic and gas transport properties of a series of multiblock copolymer ionomers. <i>Polymer</i> , 2011, 52, 3963-3969.	3.8	13
114	Synthesis and characterization of poly(propylene glycol) polytrioxamide and poly(urea oxamide) segmented copolymers. <i>Polymer International</i> , 2014, 63, 1184-1191.	3.1	13
115	Tailoring the glassy mesophase range of thermotropic polyesters through copolymerization of 4,4'-biphenylene dicarboxylic acid and kinked isomer. <i>Polymer</i> , 2019, 163, 125-133.	3.8	13
116	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.	1.5	12
117	High-Performance Segmented Liquid Crystalline Copolyesters. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1754-1763.	2.2	12
118	Doubly-Charged Ionomers with Enhanced Microphase-Separation. <i>Macromolecules</i> , 2016, 49, 6965-6972.	4.8	12
119	Blocky bromination of syndiotactic polystyrene via post-polymerization functionalization in the heterogeneous gel state. <i>Polymer Chemistry</i> , 2018, 9, 5095-5106.	3.9	12
120	EXAFS Studies of Various Sulfonated and Carboxylated Cadmium Ionomers. <i>Macromolecules</i> , 1996, 29, 1685-1690.	4.8	11
121	Influence of ionic aggregation on the surface energies of crystallites in poly(butylene terephthalate) ionomers. <i>Polymer</i> , 2004, 45, 8425-8434.	3.8	11
122	Counterion dependent crystallization kinetics in blends of a perfluorosulfonate ionomer with poly(vinylidene fluoride). <i>Polymer</i> , 2006, 47, 7425-7435.	3.8	11
123	Morphological Factors Affecting the Behavior of Water in Proton Exchange Membrane Materials. <i>ECS Transactions</i> , 2011, 41, 87-100.	0.5	11
124	Synthesis and characterization of phosphonated Poly(ethylene terephthalate) ionomers. <i>Polymer</i> , 2018, 151, 154-163.	3.8	11
125	Sulfonation of blocky brominated PEEK to prepare hydrophilic-hydrophobic blocky copolymers for efficient proton conduction. <i>Solid State Ionics</i> , 2019, 336, 47-56.	2.7	11
126	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.	4.4	11

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127	Counterion motions and thermal ordering effects in perfluorosulfonate ionomers probed by solid-state NMR. <i>Polymer</i> , 2009, 50, 5720-5727.	3.8	10
128	Synthesis and Properties of Segmented Polyurethanes with Triptycene Units in the Soft Segment. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1180-1191.	2.2	10
129	Phosphonium-containing diblock copolymers from living anionic polymerization of 4-diphenylphosphino styrene. <i>Chemical Communications</i> , 2016, 52, 950-953.	4.1	10
130	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.	5.4	10
131	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.	2.3	10
132	Doubly Charged ABA Triblock Copolymers: Thermomechanically Robust Physical Network and Hierarchical Microstructures. <i>Macromolecules</i> , 2019, 52, 9168-9176.	4.8	10
133	Phosphonated Poly(ethylene terephthalate) ionomers as compatibilizers in extruded Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overl	3.8	10
134	Carboxylation of polypropylene by reactive extrusion with functionalized peroxides for use as a compatibilizer in polypropylene/polyamide-6,6 blends. <i>Journal of Vinyl and Additive Technology</i> , 1997, 3, 184-189.	3.4	9
135	Association of Nucleobase-containing Ammonium Ionenes. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 2337-2344.	2.2	9
136	Synthesis and characterization of a nematic fully aromatic polyester based on biphenyl 3,4-dicarboxylic acid. <i>Polymer Chemistry</i> , 2019, 10, 4287-4296.	3.9	9
137	Direct Borohydride Oxidation at Carbon Supported Pt-Sn Binary Catalyst. <i>Journal of the Electrochemical Society</i> , 2012, 159, F412-F418.	2.9	8
138	New semicrystalline block copolymers of poly(arylene ether sulfone)s and poly(1,4-cyclohexylenedimethylene terephthalate). <i>Polymer</i> , 2015, 74, 86-93.	3.8	8
139	Supramolecular elastomers. Particulate β -sheet nanocrystal-reinforced synthetic elastic networks. <i>Polymer</i> , 2017, 121, 97-105.	3.8	8
140	Synthesis of Polysulfone-Containing Poly(butylene terephthalate) Segmented Block Copolymers: Influence of Segment Length on Thermomechanical Performance. <i>Macromolecules</i> , 2017, 50, 5107-5113.	4.8	8
141	Probing Co-Assembly of Supramolecular Photocatalysts and Polyelectrolytes Using Isothermal Titration Calorimetry. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6238-6244.	2.6	8
142	Preferred domain orientation in block copolymer fibers after solvent annealing. <i>Molecular Systems Design and Engineering</i> , 2018, 3, 357-363.	3.4	8
143	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.	3.1	8
144	Aligned assembly of nano and microscale polystyrene tubes with controlled morphology. <i>Polymer</i> , 2014, 55, 3008-3014.	3.8	7

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145	Electrospun hybrid fibers with substantial filler contents formed through kinetically arrested phase separation in liquid jet. <i>RSC Advances</i> , 2014, 4, 27683-27686.	3.6	7
146	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.	13.8	7
147	Wafer-Scale Single-Crystalline Ferroelectric Perovskite Nanorod Arrays. <i>Advanced Functional Materials</i> , 2017, 27, 1701542.	14.9	7
148	Suspension polymerization of itaconic acid diesters. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46417.	2.6	7
149	Acetyl-protected cytosine and guanine containing acrylics as supramolecular adhesives. <i>Journal of Adhesion</i> , 2019, 95, 146-167.	3.0	7
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