

Ying-Ling Liu

List of Publications by Year in descending order

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17440

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times ranked

10571
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-Linking with Diamine Monomers To Prepare Composite Graphene Oxide-Framework Membranes with Varying <i>d</i> -Spacing. Chemistry of Materials, 2014, 26, 2983-2990.	6.7	644
2	Self-healing polymers based on thermally reversible Diels-Alder chemistry. Polymer Chemistry, 2013, 4, 2194.	3.9	530
3	Flame-retardant epoxy resins from novel phosphorus-containing novolac. Polymer, 2001, 42, 3445-3454.	3.8	273
4	Preparation and thermal properties of epoxy-silica nanocomposites from nanoscale colloidal silica. Polymer, 2003, 44, 5159-5167.	3.8	242
5	High performance benzoxazine monomers and polymers containing furan groups. Journal of Polymer Science Part A, 2005, 43, 5267-5282.	2.3	239
6	Crosslinked epoxy materials exhibiting thermal remendability and removability from multifunctional maleimide and furan compounds. Journal of Polymer Science Part A, 2006, 44, 905-913.	2.3	233
7	Epoxy resins possessing flame retardant elements from silicon incorporated epoxy compounds cured with phosphorus or nitrogen containing curing agents. Polymer, 2002, 43, 4277-4284.	3.8	230
8	In situ crosslinking of chitosan and formation of chitosan-silica hybrid membranes with using ̢-glycidypropyltrimethoxysilane as a crosslinking agent. Polymer, 2004, 45, 6831-6837.	3.8	228
9	Thermally Reversible Cross-Linked Polyamides with High Toughness and Self-Repairing Ability from Maleimide- and Furan-Functionalized Aromatic Polyamides. Macromolecular Chemistry and Physics, 2007, 208, 224-232.	2.2	213
10	Chitosan-Silica Complex Membranes from Sulfonic Acid Functionalized Silica Nanoparticles for Pervaporation Dehydration of Ethanol-Water Solutions. Biomacromolecules, 2005, 6, 368-373.	5.4	192
11	Phosphorus-containing epoxy for flame retardant. III: Using phosphorylated diamines as curing agents. Journal of Applied Polymer Science, 1997, 63, 895-901.	2.6	178
12	Crosslinked organic-inorganic hybrid chitosan membranes for pervaporation dehydration of isopropanol-water mixtures with a long-term stability. Journal of Membrane Science, 2005, 251, 233-238.	8.2	177
13	Flame-retardant epoxy resins: An approach from organic-inorganic hybrid nanocomposites. Journal of Polymer Science Part A, 2001, 39, 986-996.	2.3	167
14	Thermal stability of epoxy resins containing flame retardant components: an evaluation with thermogravimetric analysis. Polymer Degradation and Stability, 2002, 78, 41-48.	5.8	167
15	Preparation and properties of chitosan/carbon nanotube nanocomposites using poly(styrene sulfonic) Tj ETQq1 1 0,784314 rgBT /Overl	10.2	166
16	Thermally reversible cross-linked polyamides and thermo-responsive gels by means of Diels-Alder reaction. Polymer, 2006, 47, 2581-2586.	3.8	154
17	Proton exchange membranes modified with sulfonated silica nanoparticles for direct methanol fuel cells. Journal of Membrane Science, 2007, 296, 21-28.	8.2	152
18	Preparation, thermal properties, and flame retardance of epoxy-silica hybrid resins. Journal of Polymer Science Part A, 2003, 41, 2354-2367.	2.3	151

#	ARTICLE	IF	CITATIONS
19	Phosphorus-containing epoxy resins for flame retardancy V: Synergistic effect of phosphorus-silicon on flame retardancy. <i>Journal of Applied Polymer Science</i> , 2000, 78, 1-7.	2.6	146
20	Phosphorus-containing epoxy for flame retardant. I. Synthesis, thermal, and flame-retardant properties. <i>Journal of Applied Polymer Science</i> , 1996, 61, 613-621.	2.6	136
21	Epoxy resins from novel monomers with a bis-(9,10-dihydro-9-oxa-10-oxide-10-phosphaphenanthrene-10-yl-) substituent. <i>Journal of Polymer Science Part A</i> , 2002, 40, 359-368.	2.3	135
22	Preparation and applications of Nafion-functionalized multiwalled carbon nanotubes for proton exchange membrane fuel cells. <i>Journal of Materials Chemistry</i> , 2010, 20, 4409.	6.7	135
23	Nafion-functionalized electrospun poly(vinylidene fluoride) (PVDF) nanofibers for high performance proton exchange membranes in fuel cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3783-3793.	10.3	135
24	A new class of highly-conducting polymer electrolyte membranes: Aromatic ABA triblock copolymers. <i>Energy and Environmental Science</i> , 2012, 5, 5346-5355.	30.8	131
25	Thermal stability of epoxy-silica hybrid materials by thermogravimetric analysis. <i>Thermochimica Acta</i> , 2004, 412, 139-147.	2.7	124
26	Preparation and properties of nanocomposite membranes of polybenzimidazole/sulfonated silica nanoparticles for proton exchange membranes. <i>Journal of Membrane Science</i> , 2009, 332, 121-128.	8.2	122
27	Dual-Thermoresponsive Phase Behavior of Blood Compatible Zwitterionic Copolymers Containing Nonionic Poly(<i>N</i> -isopropyl acrylamide). <i>Biomacromolecules</i> , 2009, 10, 2092-2100.	5.4	121
28	Functionalization of multi-walled carbon nanotubes with non-reactive polymers through an ozone-mediated process for the preparation of a wide range of high performance polymer/carbon nanotube composites. <i>Carbon</i> , 2010, 48, 1289-1297.	10.3	119
29	Nanohybrids of graphene oxide chemically-bonded with Nafion: Preparation and application for proton exchange membrane fuel cells. <i>Journal of Membrane Science</i> , 2016, 514, 86-94.	8.2	118
30	Synthesis, characterization, thermal, and flame retardant properties of phosphate-based epoxy resins. <i>Journal of Polymer Science Part A</i> , 1997, 35, 565-574.	2.3	113
31	Phosphorus-containing epoxy for flame retardance: IV. Kinetics and mechanism of thermal degradation. <i>Polymer Degradation and Stability</i> , 1997, 56, 291-299.	5.8	110
32	Preparation and properties of novel benzoxazine and polybenzoxazine with maleimide groups. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5954-5963.	2.3	109
33	The effect of silicon sources on the mechanism of phosphorus-silicon synergism of flame retardation of epoxy resins. <i>Polymer Degradation and Stability</i> , 2005, 90, 515-522.	5.8	107
34	Synthesis and characterization of nanocomposite of polyimide-silica hybrid from nonaqueous sol-gel process. <i>Journal of Applied Polymer Science</i> , 2000, 76, 1609-1618.	2.6	105
35	Maleimide-epoxy resins: preparation, thermal properties, and flame retardance. <i>Polymer</i> , 2003, 44, 565-573.	3.8	105
36	Poly(methylmethacrylate)-silica nanocomposites films from surface-functionalized silica nanoparticles. <i>Polymer</i> , 2005, 46, 1851-1856.	3.8	104

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37	Developments of highly proton-conductive sulfonated polymers for proton exchange membrane fuel cells. <i>Polymer Chemistry</i> , 2012, 3, 1373.	3.9	103
38	Polyelectrolyte composite membranes of polybenzimidazole and crosslinked polybenzimidazole-polybenzoxazine electrospun nanofibers for proton exchange membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1171-1178.	10.3	103
39	Hemocompatibility of Poly(vinylidene fluoride) Membrane Grafted with Network-Like and Brush-Like Antifouling Layer Controlled via Plasma-Induced Surface PEGylation. <i>Langmuir</i> , 2011, 27, 5445-5455.	3.5	102
40	Functionalization of multi-walled carbon nanotubes with furan and maleimide compounds through Diels-Alder cycloaddition. <i>Carbon</i> , 2009, 47, 3041-3049.	10.3	101
41	High performance thermosets from a curable Diels-Alder polymer possessing benzoxazine groups in the main chain. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6509-6517.	2.3	100
42	Preparation, morphology, and ultra-low dielectric constants of benzoxazine-based polymers/polyhedral oligomeric silsesquioxane (POSS) nanocomposites. <i>Polymer</i> , 2010, 51, 5567-5575.	3.8	94
43	Densely Sulfophenylated Segmented Copoly(arylene ether sulfone) Proton Exchange Membranes. <i>Macromolecules</i> , 2011, 44, 4901-4910.	4.8	94
44	Polybenzimidazole membranes modified with polyelectrolyte-functionalized multiwalled carbon nanotubes for proton exchange membrane fuel cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 7480.	6.7	93
45	Synthesis and flame-retardant properties of phosphorus-containing polymers based on poly(4-hydroxystyrene). <i>Journal of Applied Polymer Science</i> , 1996, 59, 1619-1625.	2.6	92
46	Synthesis and properties of new organosoluble aromatic polyamides with cyclic bulky groups containing phosphorus. <i>Polymer</i> , 2002, 43, 5757-5762.	3.8	92
47	Modification of Multiwall Carbon Nanotubes with Initiators and Macroinitiators of Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2007, 40, 8881-8886.	4.8	91
48	Polybenzimidazole (PBI)-functionalized silica nanoparticles modified PBI nanocomposite membranes for proton exchange membranes fuel cells. <i>Journal of Membrane Science</i> , 2012, 403-404, 1-7.	8.2	90
49	Flame-retardant epoxy resins from o-cresol novolac epoxy cured with a phosphorus-containing aralkyl novolac. <i>Journal of Polymer Science Part A</i> , 2002, 40, 2329-2339.	2.3	88
50	Chitosan/poly(tetrafluoroethylene) composite membranes using in pervaporation dehydration processes. <i>Journal of Membrane Science</i> , 2007, 287, 230-236.	8.2	87
51	Surface grafting polymerization and modification on poly(tetrafluoroethylene) films by means of ozone treatment. <i>Polymer</i> , 2005, 46, 6976-6985.	3.8	82
52	Silicon-containing benzoxazines and their polymers: Copolymerization and copolymer properties. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1007-1015.	2.3	82
53	pH-Induced switches of the oil- and water-selectivity of crosslinked polymeric membranes for gravity-driven oil-water separation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13543-13548.	10.3	78
54	Three-dimensional electrodes for dye-sensitized solar cells: synthesis of indium-tin-oxide nanowire arrays and ITO/TiO ₂ core-shell nanowire arrays by electrophoretic deposition. <i>Nanotechnology</i> , 2009, 20, 055601.	2.6	72

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55	Alkali doped polyvinyl alcohol/multi-walled carbon nano-tube electrolyte for direct methanol alkaline fuel cell. <i>Journal of Membrane Science</i> , 2011, 376, 225-232.	8.2	72
56	Preparation of silicon-/phosphorous-containing epoxy resins from the fusion process to bring a synergistic effect on improving the resins' thermal stability and flame retardancy. <i>Journal of Applied Polymer Science</i> , 2003, 87, 404-411.	2.6	71
57	Benzoxazine-containing branched polysiloxanes: Highly efficient reactive-type flame retardants and property enhancement agents for polymers. <i>Polymer</i> , 2013, 54, 2945-2951.	3.8	70
58	Using silica nanoparticles for modifying sulfonated poly(phthalazinone ether ketone) membrane for direct methanol fuel cell: A significant improvement on cell performance. <i>Journal of Power Sources</i> , 2006, 155, 111-117.	7.8	68
59	Hydrophilic surface-grafted poly(tetrafluoroethylene) membranes using in pervaporation dehydration processes. <i>Journal of Membrane Science</i> , 2006, 274, 47-55.	8.2	68
60	Self-assembled benzoxazine-bridged polysilsesquioxanes exhibiting ultralow-dielectric constants and yellow-light photoluminescent emission. <i>Journal of Materials Chemistry</i> , 2011, 21, 7182.	6.7	68
61	Benzoxazine-functionalized multi-walled carbon nanotubes for preparation of electrically-conductive polybenzoxazines. <i>Polymer</i> , 2012, 53, 106-112.	3.8	66
62	Flame-retardant polyurethanes from phosphorus-containing isocyanates. <i>Journal of Polymer Science Part A</i> , 1997, 35, 1769-1780.	2.3	64
63	A novel approach of chemical functionalization on nano-scaled silica particles. <i>Nanotechnology</i> , 2003, 14, 813-819.	2.6	64
64	Hydrophilic chitosan-modified polybenzimidazole membranes for pervaporation dehydration of isopropanol aqueous solutions. <i>Journal of Membrane Science</i> , 2014, 463, 17-23.	8.2	64
65	Reaction mechanism and synergistic anticorrosion property of reactive blends of maleimide-containing benzoxazine and amine-capped aniline trimer. <i>Polymer Chemistry</i> , 2014, 5, 4235-4244.	3.9	64
66	Synthesis and characterization of new organosoluble polyaspartimides containing phosphorus. <i>Polymer</i> , 2002, 43, 1773-1779.	3.8	63
67	Fluorenyl-containing sulfonated poly(aryl ether ether ketone ketone)s (SPFEEKK) for fuel cell applications. <i>Journal of Membrane Science</i> , 2006, 280, 54-64.	8.2	61
68	Thermally stable polybenzimidazole/carbon nano-tube composites for alkaline direct methanol fuel cell applications. <i>Journal of Power Sources</i> , 2014, 246, 39-48.	7.8	61
69	Poly(tetrafluoroethylene)/polyamide thin-film composite membranes via interfacial polymerization for pervaporation dehydration on an isopropanol aqueous solution. <i>Journal of Membrane Science</i> , 2008, 315, 106-115.	8.2	59
70	Alkaline direct ethanol fuel cell performance using alkali-impregnated polyvinyl alcohol/functionalized carbon nano-tube solid electrolytes. <i>Journal of Power Sources</i> , 2016, 303, 267-277.	7.8	58
71	Triphenylphosphine oxide-based bismaleimide and poly(bismaleimide): Synthesis, characterization, and properties. <i>Journal of Polymer Science Part A</i> , 2001, 39, 1716-1725.	2.3	56
72	Electrical Conductivity Enhancement of Polymer/Multiwalled Carbon Nanotube (MWCNT) Composites by Thermally-Induced Defunctionalization of MWCNTs. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2204-2208.	8.0	56

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73	Cocuring behaviors of benzoxazine and maleimide derivatives and the thermal properties of the cured products. <i>Journal of Polymer Science Part A</i> , 2006, 44, 1890-1899.	2.3	54
74	Novel polyvinyl alcohol nanocomposites containing carbon nano-tubes with Fe ₃ O ₄ pendants for alkaline fuel cell applications. <i>Journal of Membrane Science</i> , 2013, 444, 41-49.	8.2	53
75	Novel thermosetting resins based on 4-(N-maleimidophenyl)glycidylether: II. Bismaleimides and polybismaleimides. <i>Polymer</i> , 2004, 45, 1797-1804.	3.8	52
76	Increases in the proton conductivity and selectivity of proton exchange membranes for direct methanol fuel cells by formation of nanocomposites having proton conducting channels. <i>Journal of Power Sources</i> , 2009, 194, 206-213.	7.8	52
77	High-performance direct methanol alkaline fuel cells using potassium hydroxide-impregnated polyvinyl alcohol/carbon nano-tube electrolytes. <i>Journal of Power Sources</i> , 2012, 202, 1-10.	7.8	52
78	Electrically driven self-healing polymers based on reversible guest-host complexation of β -cyclodextrin and ferrocene. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3395-3403.	2.3	52
79	Composite membranes of Nafion and poly(styrene sulfonic acid)-grafted poly(vinylidene fluoride) electrospun nanofiber mats for fuel cells. <i>Journal of Membrane Science</i> , 2014, 466, 238-245.	8.2	52
80	High flux MWCNTs-interlinked GO hybrid membranes survived in cross-flow filtration for the treatment of strontium-containing wastewater. <i>Journal of Hazardous Materials</i> , 2016, 320, 187-193.	12.4	51
81	Crosslinked electrospun poly(vinylidene difluoride) fiber mat as a matrix of gel polymer electrolyte for fast-charging lithium-ion battery. <i>Electrochimica Acta</i> , 2017, 258, 1329-1335.	5.2	51
82	Phosphorus-containing polyaryloxydiphenylsilanes with high flame retardance arising from a phosphorus-silicon synergistic effect. <i>Polymer International</i> , 2003, 52, 1256-1261.	3.1	48
83	Epoxy/polyhedral oligomeric silsesquioxane nanocomposites from octakis(glycidyl dimethylsiloxy)octasilsesquioxane and small-molecule curing agents. <i>Journal of Polymer Science Part A</i> , 2006, 44, 3825-3835.	2.3	47
84	Preparation and properties of polyhedral oligosilsequioxane tethered aromatic polyamide nanocomposites through Michael addition between maleimide-containing polyamides and an amino-functionalized polyhedral oligosilsequioxane. <i>Journal of Polymer Science Part A</i> , 2006, 44, 4632-4643.	2.3	47
85	PTFE/polyamide thin-film composite membranes using PTFE films modified with ethylene diamine polymer and interfacial polymerization: Preparation and pervaporation application. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 260-267.	9.4	47
86	Polyhedral oligomeric silsesquioxane nanocomposites exhibiting ultra-low dielectric constants through POSS orientation into lamellar structures. <i>Journal of Materials Chemistry</i> , 2009, 19, 3643.	6.7	47
87	Surface modification of porous substrates for oil/water separation using crosslinkable polybenzoxazine as an agent. <i>Journal of Membrane Science</i> , 2018, 546, 100-109.	8.2	47
88	The effects of surface modifications on preparation and pervaporation dehydration performance of chitosan/polysulfone composite hollow-fiber membranes. <i>Journal of Membrane Science</i> , 2008, 311, 243-250.	8.2	46
89	Preparation, characterization, and properties of fluorene-containing benzoxazine and its corresponding cross-linked polymer. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4020-4026.	2.3	45
90	Cross-Linkable and Self-Foaming Polysulfide Materials for Repairable and Mercury Capture Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4515-4522.	6.7	45

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91	Novel thermosetting resins based on 4-(N-maleimidophenyl)glycidylether I. Preparation and characterization of monomer and cured resins. <i>Polymer</i> , 2003, 44, 6465-6473.	3.8	44
92	Nanocomposite membranes of Nafion and Fe ₃ O ₄ -anchored and Nafion-functionalized multiwalled carbon nanotubes exhibiting high proton conductivity and low methanol permeability for direct methanol fuel cells. <i>RSC Advances</i> , 2013, 3, 12895.	3.6	44
93	Novel approach to preparing epoxy/polyhedral oligometric silsesquioxane hybrid materials possessing high mass fractions of polyhedral oligometric silsesquioxane and good homogeneity. <i>Journal of Polymer Science Part A</i> , 2006, 44, 1869-1876.	2.3	43
94	Pebax/PEG Grafted CNT Hybrid Membranes for Enhanced CO ₂ /N ₂ Separation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 12226-12234.	3.7	43
95	Flame retardant epoxy polymers using phosphorus-containing polyalkylene amines as curing agents. <i>Journal of Applied Polymer Science</i> , 2001, 82, 3526-3538.	2.6	42
96	Polymerization and nanocomposites properties of multifunctional methylmethacrylate POSS. <i>Journal of Polymer Science Part A</i> , 2008, 46, 5157-5166.	2.3	42
97	Nanocomposites of polybenzoxazine-functionalized multiwalled carbon nanotubes and polybenzoxazine for anticorrosion application. <i>Composites Science and Technology</i> , 2020, 194, 108169.	7.8	42
98	Novel approach to the chemical modification of poly(vinyl alcohol): Phosphorylation. <i>Journal of Polymer Science Part A</i> , 2003, 41, 1107-1113.	2.3	41
99	Preparation and characterization of multifunctional maleimide macromonomers and their cured resins. <i>Journal of Polymer Science Part A</i> , 2004, 42, 3178-3188.	2.3	41
100	Synthesis and montmorillonite-intercalated behavior of dendritic surfactants. <i>Journal of Materials Chemistry</i> , 2006, 16, 2056.	6.7	41
101	Poly(lactide)-functionalized and Fe ₃ O ₄ nanoparticle-decorated multiwalled carbon nanotubes for preparation of electrically-conductive and magnetic poly(lactide) films and electrospun nanofibers. <i>Journal of Materials Chemistry</i> , 2012, 22, 4855.	6.7	41
102	Multiple stimuli-responsive poly(vinylidene fluoride) (PVDF) membrane exhibiting high efficiency of membrane clean in protein separation. <i>Journal of Membrane Science</i> , 2014, 450, 257-264.	8.2	39
103	Reactive Hybrid of Polyhedral Oligomeric Silsesquioxane (POSS) and Sulfur as a Building Block for Self-Healing Materials. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700051.	3.9	39
104	Preparation of epoxy resin/silica hybrid composites for epoxy molding compounds. <i>Journal of Applied Polymer Science</i> , 2003, 90, 4047-4053.	2.6	36
105	Enhanced thermal properties and flame retardancy from a thermosetting blend of a phosphorus-containing bismaleimide and epoxy resins. <i>Polymers for Advanced Technologies</i> , 2003, 14, 147-156.	3.2	36
106	Using silica nanoparticles as curing reagents for epoxy resins to form epoxy-silica nanocomposites. <i>Journal of Applied Polymer Science</i> , 2005, 95, 1237-1245.	2.6	36
107	Surface-initiated atom transfer radical polymerization from porous poly(tetrafluoroethylene) membranes using the C≡F groups as initiators. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2076-2083.	2.3	36
108	Effective approaches for the preparation of organo-modified multi-walled carbon nanotubes and the corresponding MWCNT/polymer nanocomposites. <i>Polymer Journal</i> , 2016, 48, 351-358.	2.7	36

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109	Surface modification and adhesion improvement of expanded poly(tetrafluoroethylene) films by plasma graft polymerization. <i>Surface and Coatings Technology</i> , 2006, 201, 63-72.	4.8	35
110	Crosslinked polybenzoxazine based membrane exhibiting in-situ self-promoted separation performance for pervaporation dehydration on isopropanol aqueous solutions. <i>Journal of Membrane Science</i> , 2017, 531, 10-15.	8.2	35
111	Furan-functionalized aniline trimer based self-healing polymers exhibiting high efficiency of anticorrosion. <i>Polymer</i> , 2017, 125, 227-233.	3.8	35
112	Organic solvent-resistant and thermally stable polymeric microfiltration membranes based on crosslinked polybenzoxazine for size-selective particle separation and gravity-driven separation on oil-water emulsions. <i>Journal of Membrane Science</i> , 2018, 550, 18-25.	8.2	35
113	Polyimides possessing bulky phosphorus groups: Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2003, 89, 791-796.	2.6	34
114	Using diethylphosphites as thermally latent curing agents for epoxy compounds. <i>Journal of Polymer Science Part A</i> , 2003, 41, 432-440.	2.3	34
115	Superhydrophobic waxy-dendron-grafted polymer films via nanostructure manipulation. <i>Journal of Materials Chemistry</i> , 2009, 19, 4819.	6.7	34
116	Thermosetting resins with high fractions of free volume and inherently low dielectric constants. <i>Chemical Communications</i> , 2015, 51, 12760-12763.	4.1	34
117	Sulfonated poly(phthalazinone ether ketone) for proton exchange membranes in direct methanol fuel cells. <i>Journal of Membrane Science</i> , 2005, 265, 108-114.	8.2	33
118	Poly(2,6-dimethyl-1,4-phenylene oxide) (PPO) multi-bonded carbon nanotube (CNT): Preparation and formation of PPO/CNT nanocomposites. <i>Polymer</i> , 2008, 49, 5405-5409.	3.8	33
119	Preparation and characterization of hyperbranched polyaspartimides from bismaleimides and triamines. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5921-5928.	2.3	32
120	Poly(dimethylsiloxane) Star Polymers Having Nanosized Silica Cores. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1392-1395.	3.9	32
121	Rhodamine B-anchored silica nanoparticles displaying white-light photoluminescence and their uses in preparations of photoluminescent polymeric films and nanofibers. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 75-82.	9.4	32
122	Phosphorus containing epoxy for flame retardant II: Curing reaction of bis-(3-glycidyl)oxy) phenylphosphine oxide. <i>Journal of Applied Polymer Science</i> , 1996, 61, 1789-1796.	2.6	31
123	Preparation and properties of epoxy/amine hybrid resins from in situ polymerization. <i>Journal of Polymer Science Part A</i> , 2004, 42, 1868-1875.	2.3	30
124	Direct borohydride fuel cell performance using hydroxide-conducting polymeric nanocomposite electrolytes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 1779-1789.	2.1	30
125	A Thermally Stable, Combustion-Resistant, and Highly Ion-Conductive Separator for Lithium-Ion Batteries Based on Electrospun Fiber Mats of Crosslinked Polybenzoxazine. <i>Energy Technology</i> , 2016, 4, 551-557.	3.8	30
126	Synthesis, thermal properties, and flame retardancy of phosphorus containing polyimides. <i>Journal of Applied Polymer Science</i> , 1997, 63, 875-882.	2.6	29

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127	Sulfonated poly(aryl ether ether ketone)s containing fluorinated moieties as proton exchange membrane materials. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 2299-2310.	2.1	29
128	Preparation of phosphorous-containing poly(epichlorohydrin) and polyurethane from a novel synthesis route. <i>Journal of Applied Polymer Science</i> , 2002, 85, 2254-2259.	2.6	28
129	Preparation of Amphiphilic Polymer-Functionalized Carbon Nanotubes for Low-Protein-Adsorption Surfaces and Protein-Resistant Membranes. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 3642-3647.	8.0	28
130	Electrically Driven Biofouling Release of a Poly(tetrafluoroethylene) Membrane Modified with an Electrically Induced Reversibly Cross-Linked Polymer. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9918-9925.	8.0	28
131	Versatile Synthesis of Thiol- and Amine-Bifunctionalized Silica Nanoparticles Based on the Ouzo Effect. <i>Langmuir</i> , 2014, 30, 7676-7686.	3.5	28
132	Robustly Blood-Inert and Shape-Reproducible Electrospun Polymeric Mats. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500065.	3.7	28
133	Preparation and properties of high performance epoxy-silsesquioxane hybrid resins prepared using a maleimide-alkoxysilane compound as a modifier. <i>Journal of Polymer Science Part A</i> , 2005, 43, 5787-5798.	2.3	27
134	Organo-clay hybrids based on dendritic molecules: preparation and characterization. <i>Nanotechnology</i> , 2007, 18, 205606.	2.6	27
135	Core-shell silica@chitosan nanoparticles and hollow chitosan nanospheres using silica nanoparticles as templates: Preparation and ultrasound bubble application. <i>Carbohydrate Polymers</i> , 2011, 84, 770-774.	10.2	27
136	Magnetic field-assisted alignment of graphene oxide nanosheets in a polymer matrix to enhance ionic conduction. <i>Journal of Membrane Science</i> , 2018, 563, 259-269.	8.2	27
137	Phosphorous-containing epoxy resins from a novel synthesis route. <i>Journal of Applied Polymer Science</i> , 2002, 83, 1697-1701.	2.6	26
138	Facile approach to functionalizing polymers with specific chemical groups by an ozone treatment: Preparation of crosslinkable poly(vinylidene fluoride) possessing benzoxazine pendent groups. <i>Journal of Polymer Science Part A</i> , 2007, 45, 949-954.	2.3	26
139	Preparation and Self-Assembled Toroids of Amphiphilic Polystyrene- C_{60} -Poly(<i>N</i> -isopropylacrylamide) Block Copolymers. <i>Macromolecules</i> , 2008, 41, 7857-7862.	4.8	26
140	Using a breath-figure method to self-organize honeycomb-like polymeric films from dendritic side-chain polymers. <i>Materials Chemistry and Physics</i> , 2011, 128, 157-165.	4.0	26
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