

Der-Jang Liaw

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#	Paper	IF	Citations
163	Advanced polyimide materials: Syntheses, physical properties and applications. <i>Progress in Polymer Science</i> , 2012 , 37, 907-974	29.6	1264
162	Polymer electronic memories: Materials, devices and mechanisms. <i>Progress in Polymer Science</i> , 2008 , 33, 917-978	29.6	860
161	Synthesis and dynamic random access memory behavior of a functional polyimide. <i>Journal of the American Chemical Society</i> , 2006 , 128, 8732-3	16.4	289
160	High Thermal Stability and Rigid Rod of Novel Organosoluble Polyimides and Polyamides Based on Bulky and Noncoplanar NaphthaleneBiphenyldiamine. <i>Macromolecules</i> , 2005 , 38, 4024-4029	5.5	210
159	High Glass Transitions of New Polyamides, Polyimides, and Poly(amideImide)s Containing a Triphenylamine Group: Synthesis and Characterization. <i>Macromolecules</i> , 2002 , 35, 4669-4676	5.5	209
158	Polymer memories: Bistable electrical switching and device performance. <i>Polymer</i> , 2007 , 48, 5182-5201	3.9	195
157	Synthesis and Characterization of New Soluble Polyimides from 3,3',4,4'-Benzhydrol Tetracarboxylic Dianhydride and Various Diamines. <i>Chemistry of Materials</i> , 1998 , 10, 734-739	9.6	104
156	Novel Organosoluble Poly(pyridineImide) with Pendent Pyrene Group: Synthesis, Thermal, Optical, Electrochemical, Electrochromic, and Protonation Characterization. <i>Macromolecules</i> , 2007 , 40, 3568-3574	5.5	103
155	Light-Scattering Study of a Zwitterionic Polycarboxybetaine in Aqueous Solution. <i>Macromolecules</i> , 2000 , 33, 3492-3494	5.5	98
154	Color lightness and highly organosoluble fluorinated polyamides, polyimides and poly(amideImide)s based on noncoplanar 2,2'-dimethyl-4,4'-biphenylene units. <i>Polymer</i> , 2006 , 47, 2337-2348	3.9	96
153	Effect of chemical structures of amines on physicochemical properties of active layers and dehydration of isopropanol through interfacially polymerized thin-film composite membranes. <i>Journal of Membrane Science</i> , 2008 , 307, 73-81	9.6	95
152	Synthesis and properties of new polyimide-silica hybrid films through both intrachain and interchain bonding. <i>Polymer</i> , 2003 , 44, 7079-7087	3.9	92
151	Synthesis and properties of new polyamides and polyimides derived from 2,2'-dimethyl-4,4'-bis(4-aminophenoxy)biphenyl. <i>Polymer</i> , 1998 , 39, 1597-1607	3.9	87
150	Aqueous solution properties of poly[3-dimethyl (methacryloyloxyethyl) ammonium propane sulfonate]. <i>Journal of Applied Polymer Science</i> , 1987 , 34, 999-1011	2.9	86
149	Synthesis and characterization of new polyamide-imides containing pendent adamantyl groups. <i>Polymer</i> , 2001 , 42, 839-845	3.9	85
148	High glass transition and thermal stability of new pyridine-containing polyimides: Effect of protonation on fluorescence. <i>Polymer</i> , 2008 , 49, 1538-1546	3.9	84
147	Synthesis and Properties of New Polyamides Based on Bis[4-(4-aminophenoxy)phenyl]diphenylmethane. <i>Macromolecules</i> , 1999 , 32, 7248-7250	5.5	83

146	Bistable electrical switching and write-once read-many-times memory effect in a donor-acceptor containing polyfluorene derivative and its carbon nanotube composites. <i>Journal of Applied Physics</i> , 2007 , 102, 024502	2.5	77
145	Recent advances in electrochromic polymers. <i>Polymer</i> , 2014 , 55, 5293-5304	3.9	69
144	Highly organosoluble and flexible polyimides with color lightness and transparency based on 2,2-bis[4-(2-trifluoromethyl-4-aminophenoxy)-3,5-dimethylphenyl]propane. <i>Journal of Polymer Science Part A</i> , 2004 , 42, 5766-5774	2.5	68
143	Preparation and properties of polyimide/clay nanocomposite materials for anticorrosion application. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 3573-3582	2.9	68
142	Sorption and transport properties of gases in aromatic polyimide membranes. <i>Journal of Membrane Science</i> , 2005 , 248, 15-25	9.6	68
141	Synthesis and characterization of new organosoluble polyimides based on flexible diamine. <i>Polymer</i> , 2001 , 42, 5175-5179	3.9	65
140	Novel interfacially-polymerized polyamide thin-film composite membranes: Studies on characterization, pervaporation, and positron annihilation spectroscopy. <i>Polymer</i> , 2011 , 52, 2414-2421	3.9	61
139	Gas separation properties of aromatic poly(amide-imide) membranes. <i>European Polymer Journal</i> , 2006 , 42, 140-148	5.2	61
138	Colorless-to-colorful switching electrochromic polyimides with very high contrast ratio. <i>Nature Communications</i> , 2019 , 10, 1239	17.4	60
137	Volatile electrical switching in a functional polyimide containing electron-donor and -acceptor moieties. <i>Journal of Applied Physics</i> , 2009 , 105, 044501	2.5	59
136	High glass transitions of novel organosoluble polyamide-imides based on noncoplanar and rigid diimide-dicarboxylic acid. <i>Polymer Degradation and Stability</i> , 2006 , 91, 1731-1739	4.7	59
135	Novel poly(pyridine imide) with pendent naphthalene groups: Synthesis and thermal, optical, electrochemical, electrochromic, and protonation characterization. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 2367-2374	2.5	57
134	N,N,N',N'-Tetraphenyl-1,4-phenylenediamine/fluorene Alternating Conjugated Polymer: Synthesis, Characterization, and Electrochromic Application. <i>Macromolecules</i> , 2010 , 43, 2236-2243	5.5	56
133	Synthesis and characterization of novel polyamide-imides containing noncoplanar 2,2'-dimethyl-4,4'-biphenylene unit. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 63-70	2.5	56
132	Synthesis and Characterization of New Highly Organosoluble Poly(ether imide)s Bearing a Noncoplanar 2,2'-Dimethyl-4,4'-Biphenyl Unit and Kink Diphenylmethylene Linkage. <i>Chemistry of Materials</i> , 2001 , 13, 1811-1816	9.6	55
131	Synthesis and properties of new polyimides derived from 1,1-bis[4-(4-aminophenoxy)phenyl]cyclododecane. <i>Polymer</i> , 1999 , 40, 3183-3189	3.9	53
130	High optical transparency, low dielectric constant and light color of novel organosoluble polyamides with bulky alicyclic pendent group. <i>Polymer</i> , 2007 , 48, 6571-6580	3.9	50
129	Interfacial polymerized thin-film composite membranes for pervaporation separation of aqueous isopropanol solution. <i>Separation and Purification Technology</i> , 2008 , 62, 694-701	8.3	50

128	Synthesis and characterization of fluorine-containing polyamides derived from 2,2-bis[4-(4-aminophenoxy)phenyl]hexafluoropropane by direct polycondensation. <i>Journal of Polymer Science Part A</i> , 1996 , 34, 1209-1217	2.5	49
127	Synthesis and Properties of Polyimides Derived from 1,4-Bis(4-aminophenoxy)-2-tert-butylbenzene. <i>Polymer Journal</i> , 1996 , 28, 970-975	2.7	48
126	Investigation of Multilayer Pervaporation Membrane by Positron Annihilation Spectroscopy. <i>Macromolecules</i> , 2008 , 41, 6438-6443	5.5	48
125	Synthesis and properties of polyimides derived from 1,4-bis(4-aminophenoxy)2,5-di-tert-butylbenzene. <i>Journal of Polymer Science Part A</i> , 1997 , 35, 1527-1534	2.5	45
124	Synthesis and Properties of New Soluble Polyamides Derived from 2,2-Dimethyl-4,4-Bis(4-carboxyphenoxy)biphenyl. <i>Macromolecules</i> , 1999 , 32, 6860-6863	5.5	45
123	Flexible Electrochromic Devices Based on Optoelectronically Active Polynorbornene Layer and Ultratransparent Graphene Electrodes. <i>Macromolecules</i> , 2011 , 44, 9550-9555	5.5	44
122	A novel fluorescent poly(pyridine-imide) acid chemosensor. <i>Dyes and Pigments</i> , 2008 , 78, 93-100	4.6	42
121	Self-Assembly Aggregation of Highly Stable Copolynorbornenes with Amphiphilic Architecture via Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2005 , 38, 3533-3538	5.5	41
120	Preparation and properties of (BATB/DPA) polyimide/clay nanocomposite materials. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 1072-1079	2.9	39
119	Synthesis and characterization of new soluble poly(ester-imide)s containing noncoplanar 2,2'-dimethyl-4,4'-biphenylene unit. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 2486-2493	2.9	39
118	Novel triarylamine-based alternating conjugated polymer with high hole mobility: Synthesis, electro-optical, and electronic properties. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 4654-4667	2.5	38
117	Novel thermally stable and chiral poly(amide-imide)s bearing from N,N'-(4,4'-diphthaloyl)-bis-L-isoleucine diacid: Synthesis and characterization. <i>Polymer Degradation and Stability</i> , 2007 , 92, 323-329	4.7	38
116	Synthesis and characterization of new polyamides and polyimides prepared from 2,2-bis[4-(4-aminophenoxy)phenyl]adamantane. <i>Macromolecular Chemistry and Physics</i> , 1999 , 200, 1326-1332	2.6	38
115	Synthesis and characterization of new soluble polyesters derived from various cardo bisphenols by solution polycondensation. <i>Journal of Polymer Science Part A</i> , 2000 , 38, 4451-4456	2.5	34
114	Synthesis and characterization of novel poly(amide-imide)s containing hexafluoroisopropylidene linkage. <i>Journal of Polymer Science Part A</i> , 1999 , 37, 2629-2635	2.5	34
113	Novel rapid switching and bleaching electrochromic polyimides containing triarylamine with 2-phenyl-2-isopropyl groups. <i>Polymer</i> , 2010 , 51, 4493-4502	3.9	33
112	Novel multifunctional polymeric materials with predominant cis microstructures derived from norbornenyl macromonomer and stable macroinitiator via ring-opening metathesis polymerization and atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 3382-3392	2.5	33
111	Tunable and Processable Shape-Memory Materials Based on Solvent-Free, Catalyst-Free Polycondensation between Formaldehyde and Diamine at Room Temperature. <i>ACS Macro Letters</i> , 2019 , 582-587	6.6	32

110	Synthesis and characterization of block copolymer with pendant carbazole group via living ring-opening metathesis polymerization. <i>Polymer</i> , 2000 , 41, 2773-2780	3.9	32
109	Polynorbornene with Cross-Linkable Side Chains via Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2000 , 33, 6925-6929	5.5	32
108	Synthesis and electroluminescent properties of polyfluorene-based conjugated polymers containing bipolar groups. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 6231-6245	2.5	31
107	Synthesis and characterization of new poly(amide-imide)s from 1,4-bis(4-trimellitimidophenoxy)-2-tert-butylbenzene with various diamines. <i>Journal of Polymer Science Part A</i> , 1998 , 36, 2301-2307	2.5	31
106	Synthesis and characterization of new soluble polyimides derived from 2,2-bis[3,5-dimethyl-4-(4-aminophenoxy)phenyl]propane. <i>Macromolecular Chemistry and Physics</i> , 1998 , 199, 1473-1478	2.6	31
105	Synthesis and characterization of new soluble cardo poly(amide-imide)s derived from 2,2-bis[4-(4-trimellitimidophenoxy)phenyl]norbornane. <i>Polymer</i> , 2003 , 44, 3865-3870	3.9	31
104	Optically high transparency and light color of organosoluble polyamides containing trifluoromethyl and kink diphenylmethylen linkage. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 4559-4569	2.5	31
103	Synthesis and characterization of new soluble polyamides based on 3,3',5,5'-tetramethyl-2,2-bis[4-(4-aminophenoxy)phenyl]propane and various aromatic dicarboxylic acids. <i>Journal of Polymer Science Part A</i> , 1998 , 36, 1075-1080	2.5	30
102	Synthesis and characterization of new highly organosoluble poly(etherimide)s derived from 1,1-bis{4-[4-(3,4-dicarboxyphenoxy)phenyl]-4-phenylcyclohexane} dianhydride. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 2066-2074	2.5	30
101	Positron annihilation study on thin-film composite pervaporation membranes: Correlation between polyamide fine structure and different interfacial polymerization conditions. <i>Polymer</i> , 2010 , 51, 1370-1376	3.9	29
100	Optically Transparency and Light Color of Novel Highly Organosoluble Alicyclic Polyimides with 4-tert-Butylcyclohexyl Group. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 434-443	2.6	29
99	Optical properties of a novel fluorene-based thermally stable conjugated polymer containing pyridine and unsymmetric carbazole groups. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 991-1002	2.5	28
98	Synthesis and characterization of new adamantane-type cardo polyamides. <i>Acta Polymerica</i> , 1999 , 50, 135-140		28
97	Effects of the polymerization and pervaporation operating conditions on the dehydration performance of interfacially polymerized thin-film composite membranes. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 1511-1522	2.9	26
96	Novel Organosoluble Poly(amide-imide)s Derived from Kink Diamine Bis[4-(4-trimellitimidophenoxy)phenyl]-diphenylmethane. Synthesis and Characterization. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 1483-1487	2.6	26
95	Interfacially polymerized thin-film composite polyamide membrane: positron annihilation spectroscopic study, characterization and pervaporation performance. <i>Polymer Journal</i> , 2010 , 42, 242-248	2.7	25
94	Electrochromic material containing unsymmetrical substituted N,N,N',N'-tetraaryl-1,4-phenylenediamine: Synthesis and their optical, electrochemical, and electrochromic properties. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 1469-1476	2.5	25
93	Synthesis and properties of new soluble poly(amide-imide)s from 3,3',5,5'-tetramethyl-2,2-bis[4-(4-trimellitimidophenoxy)phenyl]propane with various diamines. <i>Polymer</i> , 1999 , 40, 4041-4047	3.9	25

- 92 Synthesis and characterization of new soluble polyamides containing ether and pendant cyclododecylidene groups. *Polymers for Advanced Technologies*, **1998**, 9, 740-745 3.2 24
- 91 Synthesis and characterization of new soluble polyaspartimides derived from bis(3-ethyl-5-methyl-4-maleimidophenyl)methane and various diamines. *Polymer*, **2001**, 42, 867-872 3.9 24
- 90 Transmissive-to-black fast electrochromic switching from a long conjugated pendant group and a highly dispersed polymer/SWNT. *Polymer Chemistry*, **2018**, 9, 619-626 4.9 23
- 89 A novel, conjugated polymer containing fluorene, pyridine and unsymmetric carbazole moieties: Synthesis, protonation and electrochemical properties. *Dyes and Pigments*, **2009**, 82, 109-117 4.6 23
- 88 Synthesis and properties of polyimides derived from 3,3',5,5'-tetramethyl-bis[4-(4-aminophenoxy)phenyl]sulfone. *European Polymer Journal*, **1997**, 33, 1423-1431 5.2 23
- 87 Characterization, transport and sorption properties of poly(thiol ester amide) thin-film composite pervaporation membranes. *Journal of Membrane Science*, **2008**, 322, 139-145 9.6 23
- 86 Synthesis and characterization of new soluble polyamides containing phthalimide pendent group. *Journal of Polymer Science Part A*, **2001**, 39, 1557-1563 2.5 23
- 85 Synthesis and characterization of new soluble polyamides derived from 3,3',5,5'-tetramethyl-2,2-bis[4-(4-carboxyphenoxy)phenyl]propane. *Journal of Polymer Science Part A*, **1999**, 37, 1997-2003 2.5 23
- 84 Ring-opening metathesis polymerization of new norbornene-based monomers containing various chromophores. *Journal of Polymer Science Part A*, **2007**, 45, 3022-3031 2.5 22
- 83 Novel poly(triphenylamine-alt-fluorene) with asymmetric hexaphenylbenzene and pyrene moieties: synthesis, fluorescence, flexible near-infrared electrochromic devices and theoretical investigation. *Polymer Chemistry*, **2016**, 7, 1505-1516 4.9 21
- 82 Improving the efficiency of an organic solar cell by a polymer additive to optimize the charge carriers mobility. *Applied Physics Letters*, **2011**, 99, 223305 3.4 21
- 81 Dilute solution properties of poly(3-dimethyl acryloyloxyethyl ammonium propiolactone). *Polymer*, **1997**, 38, 6355-6362 3.9 21
- 80 A low molecular mass organogelator electrolyte with TiO₂ nanoparticles for stable and efficient quasi-solid-state dye sensitized solar cells. *RSC Advances*, **2017**, 7, 7671-7678 3.7 20
- 79 Experimental and theoretical investigation of a new rapid switching near-infrared electrochromic conjugated polymer. *Journal of Polymer Science Part A*, **2010**, 48, 3913-3923 2.5 20
- 78 Synthesis and characterization of new cardo polyimides prepared from 5,5-Bis[4-(4-aminophenoxy)phenyl]-4,7-methanohexahydroindane. *Journal of Polymer Science Part A*, **1999**, 37, 2815-2821 2.5 20
- 77 Synthesis and Characterization of New Cardo Polyimides Containing Pendent Norbornane Group. *Polymer Journal*, **1999**, 31, 1270-1273 2.7 20
- 76 Synthesis and properties of new polyamides derived from 1,4-bis(4-aminophenoxy)-2,5-di-tert-butylbenzene and aromatic dicarboxylic acids. *Journal of Polymer Science Part A*, **1998**, 36, 1069-1074 2.5 19
- 75 Effects of the architecture and environment on polymeric molecular assemblies of novel amphiphilic diblock copolynorbornenes with narrow polydispersity via living ring-opening metathesis polymerization. *Journal of Polymer Science Part A*, **2006**, 44, 2901-2911 2.5 19

74	Synthesis and characterization of new highly organosoluble poly(ether imide)s derived from 1,1-bis[4-(4-dicarboxyphenoxy)phenyl]-4-tert-butylcyclohexane dianhydride. <i>Polymer</i> , 2001 , 42, 7993-7998	3.9	19
73	Synthesis and characterization of new soluble cardo polyesters derived from 1,1-bis[4-(4-chlorocarboxyphenoxy)phenyl]-4-tert-butylcyclohexane with various bisphenols by solution polycondensation. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 2951-2956	2.5	19
72	Photophysical and Solution Properties of Naphthalene-Labeled Styrene/N,N-Dimethyl Maleimido Propylammonium Propane Sulfonate Copolymer. <i>Langmuir</i> , 1998 , 14, 3195-3201	4	19
71	Novel heterocyclic poly(pyridine-imide)s with unsymmetric carbazole substituent and noncoplanar structure: High thermal, mechanical and optical transparency, electrochemical, and electrochromic properties. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 405-412	2.5	18
70	Correlating the microstructure of novel polyamide thin-film composite membranes with ethanol dehydration performances. <i>Polymer</i> , 2013 , 54, 1381-1387	3.9	18
69	Novel doubly polymerizable functional norbornene: Its synthesis, reactivity, and macromolecular architectures from a dual cure via ring-opening metathesis polymerization and radical photopolymerization. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 6287-6298	2.5	18
68	A study on the characteristics and pervaporation performance of polyamide thin-film composite membranes with modified polyacrylonitrile as substrate for bioethanol dehydration. <i>Polymer International</i> , 2014 , 63, 1478-1486	3.3	17
67	Cationic cyclization of purified natural rubber in latex form with a trimethylsilyl triflate as a novel catalyst. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 664-672	2.9	17
66	Synthesis and characterization of new organosoluble polyamides derived from bis[4-(4-carboxyphenoxy) phenyl]diphenylmethane. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 1156-1161	2.5	17
65	Synthesis and characterization of novel polyaspartimides derived from 2,2'-dimethyl-4,4'-bis(4-maleimidophenoxy)biphenyl and various diamines. <i>Journal of Applied Polymer Science</i> , 1999 , 73, 279-286	2.9	16
64	Synthesis and characterization of norbornane-containing cardo polyamides. <i>Journal of Polymer Science Part A</i> , 1999 , 37, 2791-2794	2.5	16
63	Synthesis and characterization of new cardo polyamide-imides containing ether and tricyclo[5.2.1.0 _{2,6}]decane groups. <i>Macromolecular Chemistry and Physics</i> , 1999 , 200, 2402-2406	2.6	16
62	Toward a universal polymeric material for electrode buffer layers in organic and perovskite solar cells and organic light-emitting diodes. <i>Energy and Environmental Science</i> , 2018 , 11, 682-691	35.4	15
61	Novel fluorescent polynorbornenes with multi-functional armed structure by using highly stable block macroinitiators via a combination of living ring-opening metathesis polymerization and atom transfer radical polymerization. <i>Polymer</i> , 2006 , 47, 3057-3064	3.9	15
60	Novel active ester-bridged copolynorbornene materials containing terminal functional hydroxyl, amino, methacryloyl, or ammonium groups via ring-opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 4233-4247	2.5	15
59	Synthesis and properties of new polyimides derived from bis[4-(4-aminophenoxy)phenyl]diphenylmethane with various dianhydrides. <i>Acta Polymerica</i> , 1999 , 50, 332-336		15
58	Copolymerization of carbon monoxide and norbornene derivatives with ester groups by palladium catalyst. <i>Journal of Polymer Science Part A</i> , 1998 , 36, 1785-1790	2.5	14
57	Synthesis and characterization of novel thermally stable and optically active poly(amide-imide)s derived from N,N'-(4,4'-diphthaloyl)-bis-L-leucine diacid and aromatic diamines. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 3096-3102	2.9	14

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- 55 Synthesis and computational oxidation mechanism study of novel organosoluble aramids with high modulus by low-temperature solution polycondensation. *Journal of Polymer Science Part A*, **2010**, 48, 5659-5669 2.5 13
- 54 Synthesis and characterization of new soluble poly(amide-imide)s derived from 2,2-bis[4-(4-trimellitimidophenoxy)phenyl]hexafluoropropane. *Journal of Polymer Science Part A*, **2001**, 39, 3498-3504 2.5 13
- 53 Synthesis and characterization of new soluble polyamides from 1,1-bis[4-(4-carboxyphenoxy)phenyl]-4-tert-butylcyclohexane and various diamines. *Journal of Polymer Science Part A*, **2000**, 38, 797-803 2.5 13
- 52 Synthesis and characterization of novel polyaryloxydiphenylsilane derived from 2,2'-dimethyl-biphenyl-4,4'-diol. *Journal of Polymer Science Part A*, **1999**, 37, 4591-4595 2.5 13
- 51 Synthesis and characterization of copolycarbonates from melt transesterification. *Polymer*, **1996**, 37, 2857-2863 3.9 13
- 50 Solvent Response and Protonation Effects of Novel Aramides Containing Pyridine and Unsymmetrical Carbazole Moieties. *Macromolecules*, **2013**, 46, 7443-7450 5.5 12
- 49 High glass transition and thermally stable polynorbornenes containing fluorescent dipyrrene moieties via ring-opening metathesis polymerization. *Journal of Polymer Science Part A*, **2011**, 49, 3673-3680 2.5 12
- 48 Novel organosoluble polynorbornene bearing a polar, pendant, ester-bridged epoxy group via living ring-opening metathesis polymerization. *Journal of Polymer Science Part A*, **2006**, 44, 4428-4434 2.5 12
- 47 Synthesis and characterization of new highly organosoluble poly(ether imide)s based on 3,3',5,5'-tetramethyl-2,2-bis[4-(4-dicarboxyphenoxy)phenyl]propane dianhydride. *Journal of Polymer Science Part A*, **2002**, 40, 2556-2563 2.5 12
- 46 Synthesis and characterization of new soluble cardo polyamide-imides containing cyclododecyl groups. *Journal of Polymer Science Part A*, **2000**, 38, 2787-2793 2.5 12
- 45 High-Purity Semiconducting Single-Walled Carbon Nanotubes via Selective Dispersion in Solution Using Fully Conjugated Polytriarylaminines. *Macromolecules*, **2016**, 49, 8520-8529 5.5 11
- 44 Synthesis and optoelectronic properties of novel organosoluble polynorbornenes containing asymmetric pyrenyl and electroactive substituents via ring-opening metathesis polymerization. *Journal of Polymer Science Part A*, **2011**, 49, 5350-5357 2.5 11
- 43 New organosoluble polyimides with low dielectric constants derived from bis[4-(2-trifluoromethyl-4-aminophenoxy)phenyl] diphenylmethane. *Macromolecular Symposia*, **2003**, 199, 351-362 0.8 11
- 42 Structurally defined nanographene-containing conjugated polymers for high quality dispersions and optoelectronic applications. *Polymer Chemistry*, **2016**, 7, 6211-6219 4.9 10
- 41 SYNTHESIS AND PROPERTIES OF POLYIMIDES DERIVED FROM 2,2-BIS[4-[2-(4-AMINOPHENOXY)ETHOXY]PHENYL]PROPANE. *European Polymer Journal*, **1997**, 33, 997-1004 5.2 10
- 40 Highly Organosoluble Polyimides with Pendent Cyclododecane Group: Synthesis and Characterization. *Macromolecular Chemistry and Physics*, **2002**, 203, 2170-2176 2.6 10
- 39 Preparation of neutrally colorless, transparent polynorbornenes with multiple redox-active chromophores via ring-opening metathesis polymerization toward electrochromic applications. *Journal of Polymer Science Part A*, **2011**, 49, 3248-3259 2.5 9

38	Synthesis and Characterization of New Highly Soluble Organic Polyimides. <i>Springer Series in Materials Science</i> , 2004 , 80-100	0.9	9
37	Dilute solution properties of poly(3-trimethyl methacrylamido propyl ammonium methylsulfate). <i>European Polymer Journal</i> , 1997 , 33, 829-836	5.2	8
36	Synthesis and characterization of novel benzhydrol-containing poly(amide-imide)s. <i>Polymer International</i> , 1999 , 48, 473-478	3.3	8
35	Enhancing the emission of hexa-peri-hexabenzocoronene-containing polynorbornene via electron donating, unsymmetric constitution and solvent effects. <i>Polymer Chemistry</i> , 2017 , 8, 3327-3332	4.9	7
34	Versatile preparation of vesicle from amphiphilic bottlebrush block copolymers. <i>Reactive and Functional Polymers</i> , 2019 , 134, 166-173	4.6	7
33	Preparation and characterization of new polyimides derived from 2,2-bis[4-[2-(4-aminophenoxy)ethoxy]phenyl]sulfone. <i>Polymers for Advanced Technologies</i> , 1999 , 10, 13-19 ²	3.2	7
32	Digital Memory Characteristics of Aromatic Polyimides Based on Pyridine and Its Derivatives. <i>ACS Omega</i> , 2018 , 3, 13036-13044	3.9	7
31	Theoretical Study of Electrochemical and Electrochromic Properties of Novel Viologen Derivatives: Effects of Donors and π Conjugation. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 4735-4744	3.4	6
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22	Synthesis and characterization of new soluble cardo polyamides containing the tricyclo[5.2.1.0 ^{2,6}]decane group. <i>Journal of Polymer Science Part A</i> , 2000 , 38, 74-79	2.5	5
21	Radical polymerization of methacryloyl isocyanate containing 1-adamantanol. <i>Polymer Bulletin</i> , 1999 , 42, 373-378	2.4	5

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18	Dilute solution properties of naphthalene-labelled acrylamide/N,N-dimethyl maleimido propyl ammonium propane sulphonate copolymer. <i>Polymer International</i> , 1998 , 46, 131-137	3.3	4
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11	Partitioning of unsaturated hydrophilic monomer in microemulsion media monitored by pyrene fluorescence method. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 571-581	2.6	3
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