

# Der-Jang Liaw

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

163  
papers

7,441  
citations

42  
h-index

81  
g-index

163  
ext. papers

7,894  
ext. citations

4.2  
avg, IF

5.76  
L-index

#	Paper	IF	Citations
163	A brief review of nanoparticles-doped PEDOT:PSS nanocomposite for OLED and OPV. <i>Nanotechnology Reviews</i> , <b>2022</b> , 11, 1870-1889	6.3	1
162	Versatile preparation of vesicle from amphiphilic bottlebrush block copolymers. <i>Reactive and Functional Polymers</i> , <b>2019</b> , 134, 166-173	4.6	7
161	Photophysical and Electroluminescence Characteristics of Polyfluorene Derivatives with Triphenylamine. <i>Polymers</i> , <b>2019</b> , 11,	4.5	5
160	Catalyst-Free One-Step Preparation of Self-Crosslinked pH-Responsive Vesicles. <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1900149	4.8	5
159	Theoretical Study of Electrochemical and Electrochromic Properties of Novel Viologen Derivatives: Effects of Donors and $\pi$ -Conjugation. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 4735-4744	3.4	6
158	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> , <b>2019</b> , 582-587	6.6	32
157	Colorless-to-colorful switching electrochromic polyimides with very high contrast ratio. <i>Nature Communications</i> , <b>2019</b> , 10, 1239	17.4	60
156	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> , <b>2018</b> , 11, 682-691	35.4	15
155	Transmissive-to-black fast electrochromic switching from a long conjugated pendant group and a highly dispersed polymer/SWNT. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 619-626	4.9	23
154	Digital Memory Characteristics of Aromatic Polyimides Based on Pyridine and Its Derivatives. <i>ACS Omega</i> , <b>2018</b> , 3, 13036-13044	3.9	7
153	A low molecular mass organogelator electrolyte with TiO <sub>2</sub> nanoparticles for stable and efficient quasi-solid-state dye sensitized solar cells. <i>RSC Advances</i> , <b>2017</b> , 7, 7671-7678	3.7	20
152	Enhancing the emission of hexa-peri-hexabenzocoronene-containing polynorbornene via electron donating, unsymmetric constitution and solvent effects. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 3327-3332	4.9	7
151	Structurally defined nanographene-containing conjugated polymers for high quality dispersions and optoelectronic applications. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 6211-6219	4.9	10
150	High-Purity Semiconducting Single-Walled Carbon Nanotubes via Selective Dispersion in Solution Using Fully Conjugated Polytriarylamines. <i>Macromolecules</i> , <b>2016</b> , 49, 8520-8529	5.5	11
149	Sorption behavior of polyaramides in relation to isolation of nucleic acids and proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 145, 912-921	6	4
148	Novel poly(triphenylamine-alt-fluorene) with asymmetric hexaphenylbenzene and pyrene moieties: synthesis, fluorescence, flexible near-infrared electrochromic devices and theoretical investigation. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 1505-1516	4.9	21
147	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> , <b>2015</b> , 53, 405-412	2.5	18

146	Recent advances in electrochromic polymers. <i>Polymer</i> , <b>2014</b> , 55, 5293-5304	3.9	69
145	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> , <b>2014</b> , 63, 1478-1486	3.3	17
144	Solvent Response and Protonation Effects of Novel Aramides Containing Pyridine and Unsymmetrical Carbazole Moieties. <i>Macromolecules</i> , <b>2013</b> , 46, 7443-7450	5.5	12
143	Correlating the microstructure of novel polyamide thin-film composite membranes with ethanol dehydration performances. <i>Polymer</i> , <b>2013</b> , 54, 1381-1387	3.9	18
142	Synthesis of novel thermally stable electrochromic polynorbornenes containing symmetrical diarylamine and unsymmetrical triarylamine chromophores via ring-opening metathesis polymerisation. <i>Polymer</i> , <b>2012</b> , 53, 1849-1856	3.9	6
141	Advanced polyimide materials: Syntheses, physical properties and applications. <i>Progress in Polymer Science</i> , <b>2012</b> , 37, 907-974	29.6	1264
140	Neutrally colourless, transparent and thermally stable polynorbornenes via ring-opening metathesis polymerisation for near-infrared electroactive applications. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 8597		13
139	Improving the efficiency of an organic solar cell by a polymer additive to optimize the charge carriers mobility. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 223305	3.4	21
138	Preparation of neutrally colorless, transparent polynorbornenes with multiple redox-active chromophores via ring-opening metathesis polymerization toward electrochromic applications. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 3248-3259	2.5	9
137	High glass transition and thermally stable polynorbornenes containing fluorescent dipyrone moieties via ring-opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 3673-3680	2.5	12
136	Synthesis and optoelectronic properties of novel organosoluble polynorbornenes containing asymmetric pyrenyl and electroactive substituents via ring-opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 5350-5357	2.5	11
135	Flexible Electrochromic Devices Based on Optoelectronically Active Polynorbornene Layer and Ultratransparent Graphene Electrodes. <i>Macromolecules</i> , <b>2011</b> , 44, 9550-9555	5.5	44
134	Novel interfacially-polymerized polyamide thin-film composite membranes: Studies on characterization, pervaporation, and positron annihilation spectroscopy. <i>Polymer</i> , <b>2011</b> , 52, 2414-2421	3.9	61
133	Interfacially polymerized thin-film composite polyamide membrane: positron annihilation spectroscopic study, characterization and pervaporation performance. <i>Polymer Journal</i> , <b>2010</b> , 42, 242-248	2.7	25
132	N,N,N',N'- Tetraphenyl-1,4-phenylenediamine-Fluorene Alternating Conjugated Polymer: Synthesis, Characterization, and Electrochromic Application. <i>Macromolecules</i> , <b>2010</b> , 43, 2236-2243	5.5	56
131	Positron annihilation study on thin-film composite pervaporation membranes: Correlation between polyamide fine structure and different interfacial polymerization conditions. <i>Polymer</i> , <b>2010</b> , 51, 1370-1376	3.9	29
130	Novel rapid switching and bleaching electrochromic polyimides containing triarylamine with 2-phenyl-2-isopropyl groups. <i>Polymer</i> , <b>2010</b> , 51, 4493-4502	3.9	33
129	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> , <b>2010</b> , 48, 1469-1476	2.5	25

128	Experimental and theoretical investigation of a new rapid switching near-infrared electrochromic conjugated polymer. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 3913-3923	2.5	20
127	Novel triarylamine-based alternating conjugated polymer with high hole mobility: Synthesis, electro-optical, and electronic properties. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 4654-4667	2.5	38
126	Synthesis and computational oxidation mechanism study of novel organosoluble aramids with high modulus by low-temperature solution polycondensation. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 5659-5669	2.5	13
125	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> , <b>2009</b> , 114, 1511-1522	2.9	26
124	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> , <b>2009</b> , 47, 991-1002	2.5	28
123	Synthesis and electroluminescent properties of polyfluorene-based conjugated polymers containing bipolar groups. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 6231-6245	2.5	31
122	A novel, conjugated polymer containing fluorene, pyridine and unsymmetric carbazole moieties: Synthesis, protonation and electrochemical properties. <i>Dyes and Pigments</i> , <b>2009</b> , 82, 109-117	4.6	23
121	Volatile electrical switching in a functional polyimide containing electron-donor and -acceptor moieties. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 044501	2.5	59
120	Investigation of Multilayer Pervaporation Membrane by Positron Annihilation Spectroscopy. <i>Macromolecules</i> , <b>2008</b> , 41, 6438-6443	5.5	48
119	Characterization, transport and sorption properties of poly(thiol ester amide) thin-film composite pervaporation membranes. <i>Journal of Membrane Science</i> , <b>2008</b> , 322, 139-145	9.6	23
118	High glass transition and thermal stability of new pyridine-containing polyimides: Effect of protonation on fluorescence. <i>Polymer</i> , <b>2008</b> , 49, 1538-1546	3.9	84
117	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> , <b>2008</b> , 307, 73-81	9.6	95
116	Polymer electronic memories: Materials, devices and mechanisms. <i>Progress in Polymer Science</i> , <b>2008</b> , 33, 917-978	29.6	860
115	Interfacial polymerized thin-film composite membranes for pervaporation separation of aqueous isopropanol solution. <i>Separation and Purification Technology</i> , <b>2008</b> , 62, 694-701	8.3	50
114	A novel fluorescent poly(pyridine-imide) acid chemosensor. <i>Dyes and Pigments</i> , <b>2008</b> , 78, 93-100	4.6	42
113	Novel Organosoluble Poly(pyridine-imide) with Pendent Pyrene Group: Synthesis, Thermal, Optical, Electrochemical, Electrochromic, and Protonation Characterization. <i>Macromolecules</i> , <b>2007</b> , 40, 3568-3574	5.5	103
112	Cationic cyclization of purified natural rubber in latex form with a trimethylsilyl triflate as a novel catalyst. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 105, 664-672	2.9	17
111	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> , <b>2007</b> , 104, 3096-3102	2.9	14

110	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> , <b>2007</b> , 92, 323-329	4.7	38
109	Polymer memories: Bistable electrical switching and device performance. <i>Polymer</i> , <b>2007</b> , 48, 5182-5201	3.9	195
108	High optical transparency, low dielectric constant and light color of novel organosoluble polyamides with bulky alicyclic pendent group. <i>Polymer</i> , <b>2007</b> , 48, 6571-6580	3.9	50
107	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> , <b>2007</b> , 45, 2367-2374	2.5	57
106	Ring-opening metathesis polymerization of new norbornene-based monomers containing various chromophores. <i>Journal of Polymer Science Part A</i> , <b>2007</b> , 45, 3022-3031	2.5	22
105	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> , <b>2007</b> , 102, 024502	2.5	77
104	Optically Transparency and Light Color of Novel Highly Organosoluble Alicyclic Polyimides with 4-tert-Butylcyclohexyl Group. <i>Macromolecular Chemistry and Physics</i> , <b>2006</b> , 207, 434-443	2.6	29
103	Synthesis and dynamic random access memory behavior of a functional polyimide. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 8732-3	16.4	289
102	Syntheses of Novel Polynorbornene Derivatives via Ring Opening Metathesis Polymerization. <i>Macromolecular Symposia</i> , <b>2006</b> , 245-246, 68-76	0.8	4
101	Effects of the architecture and environment on polymeric molecular assemblies of novel amphiphilic diblock copolynorbornenes with narrow polydispersity via living ring-opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 2901-2911	2.5	19
100	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> , <b>2006</b> , 44, 3382-3392	2.5	33
99	Novel organosoluble polynorbornene bearing a polar, pendant, ester-bridged epoxy group via living ring-opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 4428-4434	2.5	12
98	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> , <b>2006</b> , 44, 6287-6298	2.5	18
97	Gas separation properties of aromatic poly(amide-imide) membranes. <i>European Polymer Journal</i> , <b>2006</b> , 42, 140-148	5.2	61
96	High glass transitions of novel organosoluble polyamide-imides based on noncoplanar and rigid diimide-dicarboxylic acid. <i>Polymer Degradation and Stability</i> , <b>2006</b> , 91, 1731-1739	4.7	59
95	Color lightness and highly organosoluble fluorinated polyamides, polyimides and poly(amide-imide)s based on noncoplanar 2,2'-dimethyl-4,4'-biphenylene units. <i>Polymer</i> , <b>2006</b> , 47, 2337-2348	3.9	96
94	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> , <b>2006</b> , 47, 3057-3064	3.9	15
93	High Thermal Stability and Rigid Rod of Novel Organosoluble Polyimides and Polyamides Based on Bulky and Noncoplanar Naphthalene-Biphenyldiamine. <i>Macromolecules</i> , <b>2005</b> , 38, 4024-4029	5.5	210

92	Self-Assembly Aggregation of Highly Stable Copolynorbornenes with Amphiphilic Architecture via Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , <b>2005</b> , 38, 3533-3538	5.5	41
91	Sorption and transport properties of gases in aromatic polyimide membranes. <i>Journal of Membrane Science</i> , <b>2005</b> , 248, 15-25	9.6	68
90	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> , <b>2005</b> , 43, 4233-4247	2.5	15
89	Optically high transparency and light color of organosoluble polyamides containing trifluoromethyl and kink diphenylmethylen linkage. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 4559-4569	2.5	31
88	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> , <b>2004</b> , 42, 5766-5774	2.5	68
87	Preparation and properties of (BATBDDPA) polyimide/clay nanocomposite materials. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 1072-1079	2.9	39
86	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> , <b>2004</b> , 92, 2486-2493	2.9	39
85	Preparation and properties of polyimide/clay nanocomposite materials for anticorrosion application. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 3573-3582	2.9	68
84	Synthesis and Characterization of New Highly Soluble Organic Polyimides. <i>Springer Series in Materials Science</i> , <b>2004</b> , 80-100	0.9	9
83	New organosoluble polyimides with low dielectric constants derived from bis[4-(2-trifluoromethyl-4-aminophenoxy)phenyl] diphenylmethylen. <i>Macromolecular Symposia</i> , <b>2003</b> , 199, 351-362	0.8	11
82	Permselectivities of 2,2'-dimethyl-4,4'-bis(aminophenoxy)biphenyl diphenyl methaneBased aromatic polyamide membranes for aqueous alcohol mixtures in pervaporation and evaporation. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 88, 2688-2697	2.9	5
81	Synthesis and properties of new polyimide/silica hybrid films through both intrachain and interchain bonding. <i>Polymer</i> , <b>2003</b> , 44, 7079-7087	3.9	92
80	Partitioning of unsaturated hydrophilic monomer in microemulsion media monitored by pyrene fluorescence method. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2003</b> , 41, 571-581	2.6	3
79	Synthesis and characterization of new soluble cardo poly(amide-imide)s derived from 2,2-bis[4-(4-trimellitimidophenoxy)phenyl]norbornane. <i>Polymer</i> , <b>2003</b> , 44, 3865-3870	3.9	31
78	Highly Organosoluble Polyimides with Pendent Cyclododecane Group: Synthesis and Characterization. <i>Macromolecular Chemistry and Physics</i> , <b>2002</b> , 203, 2170-2176	2.6	10
77	Effect of Surfactant and Various Salts on Aqueous Solution Properties of Naphthalene-Labeled Poly(hydrochloride-quaternized 2-norbornene-5-methylamine) made by Ring-Opening Metathesis Polymerization (ROMP). <i>Macromolecular Chemistry and Physics</i> , <b>2002</b> , 203, 2177-2187	2.6	6
76	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> , <b>2002</b> , 40, 2066-2074	2.5	30
75	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. <i>Journal of Polymer Science Part A</i> , <b>2002</b> , 40, 2556-2563	2.5	12

74	Photophysical and aqueous solution properties of thermosensitive anionic potassium-2-sulfopropylmethacrylate/N-isopropylacrylamide/1-pyrenemethylmethacrylate terpolymer. <i>Polymer</i> , <b>2002</b> , 43, 6221-6229	3.9	3
73	Synthesis and Characterization of New Highly Soluble Polyamides Derived from $\beta$ -EBis[3,5-dimethyl-4-(4-aminophenoxy)phenyl]-1,4-Diisopropylbenzene. <i>Polymer Journal</i> , <b>2002</b> , 34, 307-312	2.7	3
72	High Glass Transitions of New Polyamides, Polyimides, and Poly(amide-imide)s Containing a Triphenylamine Group: Synthesis and Characterization. <i>Macromolecules</i> , <b>2002</b> , 35, 4669-4676	5.5	209
71	Synthesis and Characterization of New Soluble Cardo Polyamides Derived from 2,2-Bis[4-(4-carboxyphenoxy)phenyl]norbornane. <i>Polymer Journal</i> , <b>2001</b> , 33, 204-208	2.7	5
70	Synthesis and characterization of new polyamide-imides containing pendent adamantyl groups. <i>Polymer</i> , <b>2001</b> , 42, 839-845	3.9	85
69	Synthesis and characterization of new soluble polyaspartimides derived from bis(3-ethyl-5-methyl-4-maleimidophenyl)methane and various diamines. <i>Polymer</i> , <b>2001</b> , 42, 867-872	3.9	24
68	Synthesis and characterization of new organosoluble polyimides based on flexible diamine. <i>Polymer</i> , <b>2001</b> , 42, 5175-5179	3.9	65
67	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> , <b>2001</b> , 42, 7993-7998	3.9	19
66	Synthesis and characterization of new organosoluble polyamides derived from bis[4-(4-carboxyphenoxy)phenyl]diphenylmethane. <i>Journal of Polymer Science Part A</i> , <b>2001</b> , 39, 1156-1161	2.5	17
65	Synthesis and characterization of new soluble polyamides containing phthalimide pendent group. <i>Journal of Polymer Science Part A</i> , <b>2001</b> , 39, 1557-1563	2.5	23
64	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> , <b>2001</b> , 39, 2951-2956	2.5	19
63	Synthesis and characterization of new soluble poly(amide-imide)s derived from 2,2-bis[4-(4-trimellitimidophenoxy)phenyl]hexafluoropropane. <i>Journal of Polymer Science Part A</i> , <b>2001</b> , 39, 3498-3504	2.5	13
62	Interaction of naphthalene-labeled poly(hydrochloride quaternized 2-norbornene-5-methyleneamine) with O/W microemulsion droplets. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2001</b> , 39, 101-114	2.6	1
61	Synthesis and characterization of novel polyamide-imides containing noncoplanar 2,2'-dimethyl-4,4'-biphenylene unit. <i>Journal of Polymer Science Part A</i> , <b>2001</b> , 39, 63-70	2.5	56
60	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> , <b>2001</b> , 202, 1483-1487	2.6	26
59	Synthesis and Characterization of Highly Soluble Polyamide-Imides Derived from $\beta$ -EBis[3,5-Dimethyl-4-(4-Trimellitimidophenoxy)-Phenyl]-1,4-Diisopropylbenzene. <i>High Performance Polymers</i> , <b>2001</b> , 13, S257-S264	1.6	3
58	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> , <b>2001</b> , 13, 1811-1816	9.6	55
57	Effects of Gamma Radiation on Various Polyimides. <i>Journal of the Chinese Chemical Society</i> , <b>2000</b> , 47, 583-588	1.5	3

56	Synthesis and characterization of new soluble cardo polyamides containing the tricyclo[5.2.1.0 <sup>2,6</sup> ]decane group. <i>Journal of Polymer Science Part A</i> , <b>2000</b> , 38, 74-79	2.5	5
55	Radical polymerization of new functional monomer: Methacryloyl isocyanate containing 4-chloro-1-phenol. <i>Journal of Polymer Science Part A</i> , <b>2000</b> , 38, 469-473	2.5	4
54	Synthesis and characterization of new soluble polyamides from 1,1-bis[4-(4-carboxyphenoxy)phenyl]-4-tert-butylcyclohexane and various diamines. <i>Journal of Polymer Science Part A</i> , <b>2000</b> , 38, 797-803	2.5	13
53	Synthesis and characterization of new soluble cardo polyamide-imides containing cyclododecyl groups. <i>Journal of Polymer Science Part A</i> , <b>2000</b> , 38, 2787-2793	2.5	12
52	Synthesis and characterization of new soluble polyesters derived from various cardo bisphenols by solution polycondensation. <i>Journal of Polymer Science Part A</i> , <b>2000</b> , 38, 4451-4456	2.5	34
51	Synthesis and characterization of block copolymer with pendant carbazole group via living ring-opening metathesis polymerization. <i>Polymer</i> , <b>2000</b> , 41, 2773-2780	3.9	32
50	Light-Scattering Study of a Zwitterionic Polycarboxybetaine in Aqueous Solution. <i>Macromolecules</i> , <b>2000</b> , 33, 3492-3494	5.5	98
49	Polynorbornene with Cross-Linkable Side Chains via Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , <b>2000</b> , 33, 6925-6929	5.5	32
48	Synthesis and properties of new polyimides derived from 1,1-bis[4-(4-aminophenoxy)phenyl]cyclododecane. <i>Polymer</i> , <b>1999</b> , 40, 3183-3189	3.9	53
47	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> , <b>1999</b> , 40, 4041-4047	3.9	25
46	Radical polymerization of methacryloyl isocyanate containing 1-adamantanol. <i>Polymer Bulletin</i> , <b>1999</b> , 42, 373-378	2.4	5
45	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> , <b>1999</b> , 73, 279-286	2.9	16
44	Pervaporation separation of aqueous alcohol solution through the membrane of o-trimethylsilylphenylacetylene initiated by a tungsten carbene complex. <i>Journal of Applied Polymer Science</i> , <b>1999</b> , 74, 647-654	2.9	
43	Synthesis and characterization of novel benzhydrol-containing poly(amide-imide)s. <i>Polymer International</i> , <b>1999</b> , 48, 473-478	3.3	8
42	Photolysis of bisphenol-based polyurethanes in solution. <i>Journal of Polymer Science Part A</i> , <b>1999</b> , 37, 1331-1339	2.5	6
41	Radical polymerization of new functional monomers derived from methacryloyl isocyanate and urea. <i>Journal of Polymer Science Part A</i> , <b>1999</b> , 37, 1789-1796	2.5	5
40	Synthesis and characterization of new soluble polyamides derived from 3,3',5,5'-tetramethyl-2,2-bis[4-(4-carboxyphenoxy)phenyl]propane. <i>Journal of Polymer Science Part A</i> , <b>1999</b> , 37, 1997-2003	2.5	23
39	Synthesis and characterization of novel poly(amide-imide)s containing hexafluoroisopropylidene linkage. <i>Journal of Polymer Science Part A</i> , <b>1999</b> , 37, 2629-2635	2.5	34

38	Synthesis and characterization of norbornane-containing cardo polyamides. <i>Journal of Polymer Science Part A</i> , <b>1999</b> , 37, 2791-2794	2.5	16
37	Synthesis and characterization of new cardo polyimides prepared from 5,5-Bis[4-(4-aminophenoxy)phenyl]-4,7-methanohexahydroindane. <i>Journal of Polymer Science Part A</i> , <b>1999</b> , 37, 2815-2821	2.5	20
36	Synthesis and characterization of novel polyaryloxydiphenylsilane derived from 2,2'-dimethyl-biphenyl-4,4'-diol. <i>Journal of Polymer Science Part A</i> , <b>1999</b> , 37, 4591-4595	2.5	13
35	Preparation and characterization of new polyimides derived from 2,2-bis[4-[2-(4-aminophenoxy)ethoxy]phenyl]sulfone. <i>Polymers for Advanced Technologies</i> , <b>1999</b> , 10, 13-19 <sup>2</sup>		7
34	Synthesis and properties of new polyamides derived from 2,2-bis[4-[2-(4-aminophenoxy)ethoxy]phenyl]sulfone by direct polycondensation. <i>Polymers for Advanced Technologies</i> , <b>1999</b> , 10, 329-335	3.2	2
33	Synthesis and characterization of new polyamides and polyimides prepared from 2,2-bis[4-(4-aminophenoxy)phenyl]adamantane. <i>Macromolecular Chemistry and Physics</i> , <b>1999</b> , 200, 1326-1332	2.6	38
32	Synthesis and characterization of new cardo polyamide-imides containing ether and tricyclo[5.2.1.0 <sup>2,6</sup> ]decane groups. <i>Macromolecular Chemistry and Physics</i> , <b>1999</b> , 200, 2402-2406	2.6	16
31	Synthesis and characterization of new adamantane-type cardo polyamides. <i>Acta Polymerica</i> , <b>1999</b> , 50, 135-140		28
30	Synthesis and properties of new polyimides derived from bis[4-(4-aminophenoxy)phenyl]diphenylmethane with various dianhydrides. <i>Acta Polymerica</i> , <b>1999</b> , 50, 332-336		15
29	Synthesis and Properties of New Soluble Polyamides Derived from 2,2-Dimethyl-4,4'-bis(4-carboxyphenoxy)biphenyl. <i>Macromolecules</i> , <b>1999</b> , 32, 6860-6863	5.5	45
28	Synthesis and Properties of New Polyamides Based on Bis[4-(4-aminophenoxy)phenyl]diphenylmethane. <i>Macromolecules</i> , <b>1999</b> , 32, 7248-7250	5.5	83
27	Synthesis and Characterization of New Cardo Polyimides Containing Pendent Norbornane Group. <i>Polymer Journal</i> , <b>1999</b> , 31, 1270-1273	2.7	20
26	Synthesis and properties of new polyamides derived from 1,4-bis(4-aminophenoxy)-2,5-di-tert-butylbenzene and aromatic dicarboxylic acids. <i>Journal of Polymer Science Part A</i> , <b>1998</b> , 36, 1069-1074	2.5	19
25	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> , <b>1998</b> , 36, 1075-1080	2.5	30
24	Copolymerization of carbon monoxide and norbornene derivatives with ester groups by palladium catalyst. <i>Journal of Polymer Science Part A</i> , <b>1998</b> , 36, 1785-1790	2.5	14
23	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> , <b>1998</b> , 36, 2301-2307	2.5	31
22	Synthesis and characterization of new soluble polyamides containing ether and pendant cyclododecylidene groups. <i>Polymers for Advanced Technologies</i> , <b>1998</b> , 9, 740-745	3.2	24
21	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> , <b>1998</b> , 199, 1473-1478	2.6	31

20	Dilute solution properties of naphthalene-labelled acrylamide/N,N-dimethyl maleimido propyl ammonium propane sulphonate copolymer. <i>Polymer International</i> , <b>1998</b> , 46, 131-137	3.3	4
19	Permselectivities of aromatic polyamide membranes for aqueous alcohol mixtures in pervaporation. <i>Journal of Polymer Research</i> , <b>1998</b> , 5, 31-36	2.7	4
18	Synthesis and properties of new polyamides and polyimides derived from 2,2'-dimethyl-4,4'-bis(4-aminophenoxy)biphenyl. <i>Polymer</i> , <b>1998</b> , 39, 1597-1607	3.9	87
17	Photophysical and Solution Properties of Naphthalene-Labeled Styrene/N,N-Dimethyl Maleimido Propylammonium Propane Sulfonate Copolymer. <i>Langmuir</i> , <b>1998</b> , 14, 3195-3201	4	19
16	Self-Scrubbing of Waste Gas Containing Dioctyl Phthalate. <i>Journal of the Air and Waste Management Association</i> , <b>1998</b> , 48, 359-365	2.4	4
15	Synthesis and Characterization of New Soluble Polyimides from 3,3',4,4'-Benzhydrol Tetracarboxylic Dianhydride and Various Diamines. <i>Chemistry of Materials</i> , <b>1998</b> , 10, 734-739	9.6	104
14	Compatibility and Crystallization Studies on Poly(phenyl acetylene)/Polycaprolactone Blend. <i>Polymer Journal</i> , <b>1998</b> , 30, 874-878	2.7	6
13	Dilute solution properties of naphthalene-labeled cationic poly(dimethyl sulfate quaternized acrylamide/N,N-dimethylaminopropylmaleimide copolymer). <i>Journal of Polymer Research</i> , <b>1997</b> , 4, 57-63 <sup>2.7</sup>		1
12	Dilute solution properties of poly(3-dimethyl acryloyloxyethyl ammonium propiolactone). <i>Polymer</i> , <b>1997</b> , 38, 6355-6362	3.9	21
11	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> , <b>1997</b> , 35, 1527-1534 <sup>2.5</sup>		45
10	Synthesis and properties of polyimides derived from 3,3',5,5'-tetramethyl-bis[4-(4-aminophenoxy)phenyl]sulfone. <i>European Polymer Journal</i> , <b>1997</b> , 33, 1423-1431 <sup>5.2</sup>		23
9	SYNTHESIS AND PROPERTIES OF POLYIMIDES DERIVED FROM 2,2-BIS[4-[2-(4-AMINOPHENOXY)ETHOXY]PHENYL]PROPANE. <i>European Polymer Journal</i> , <b>1997</b> , 33, 997-1004 <sup>5.2</sup>		10
8	Dilute solution properties of poly(3-trimethyl methacrylamido propyl ammonium methylsulfate). <i>European Polymer Journal</i> , <b>1997</b> , 33, 829-836	5.2	8
7	Synthesis and Properties of Polyimides Derived from 1,4-Bis(4-aminophenoxy)-2-tert-butylbenzene. <i>Polymer Journal</i> , <b>1996</b> , 28, 970-975	2.7	48
6	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> , <b>1996</b> , 34, 1209-1217	2.5	49
5	Synthesis and characterization of copolycarbonates from melt transesterification. <i>Polymer</i> , <b>1996</b> , 37, 2857-2863	3.9	13
4	Polymerization of vinyl monomers initiated by zwitterionic polymer in aqueous solution. <i>Polymer International</i> , <b>1993</b> , 30, 381-386	3.3	3
3	Polymerization of Vinyl Monomers Initiated By Poly[3-Dimethyl(Acryloyloxyethyl)-Ammonium Propane Sulfonate In Aqueous Solution. <i>Journal of Macromolecular Science Part A, Chemistry</i> , <b>1990</b> , 27, 875-895		3

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