

# Douglas L Gin

## List of Publications by Year in descending order

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157  
papers

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32410

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167  
docs citations

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times ranked

9469  
citing authors

#	ARTICLE	IF	CITATIONS
1	CO <sub>2</sub> /CH <sub>4</sub> separation characteristics of poly(RTIL)-RTIL-zeolite mixed-matrix membranes evaluated under binary feeds up to 40 bar and 50Å°C. Journal of Membrane Science, 2021, 621, 118979.	4.1	13
2	Stable cross-linked lyotropic gyroid mesophases from single-head/single-tail cross-linkable monomers. Chemical Communications, 2021, 57, 10931-10934.	2.2	11
3	Nanoscale Thickness Control of Nanoporous Films Derived from Directionally Photopolymerized Mesophases. Advanced Materials Interfaces, 2021, 8, 2001977.	1.9	9
4	Effects of structural modification of (alkyldiene-imidazolium bromide)-based gemini monomers on the formation of the lyotropic bicontinuous cubic phase. Soft Matter, 2021, 17, 9259-9263.	1.2	5
5	System for Living ROMP of a Paramagnetic FeCl <sub>4</sub> <sup>-</sup> -Based Ionic Liquid Monomer: Direct Synthesis of Magnetically Responsive Block Copolymers. ACS Macro Letters, 2020, 9, 140-145.	2.3	6
6	A nanostructured bifunctional acid-base catalyst resin formed by lyotropic liquid crystal monomers. Canadian Journal of Chemistry, 2020, 98, 332-336.	0.6	4
7	Evaluation of a nanoporous lyotropic liquid crystal polymer membrane for the treatment of hydraulic fracturing produced water via cross-flow filtration. Journal of Membrane Science, 2019, 592, 117313.	4.1	19
8	Breathable, Polydopamine-Coated Nanoporous Membranes That Selectively Reject Nerve and Blister Agent Simulant Vapors. Industrial & Engineering Chemistry Research, 2019, 58, 21890-21893.	1.8	11
9	Polymerization of Counteranions in the Cationic Nanopores of a Cross-linked Lyotropic Liquid Crystal Network to Modify Ion Transport Properties. , 2019, 1, 452-458.		10
10	Self-assembly of highly asymmetric, poly(ionic liquid)-rich diblock copolymers and the effects of simple structural modification on phase behaviour. Polymer Chemistry, 2019, 10, 751-765.	1.9	11
11	Single crystal texture by directed molecular self-assembly along dual axes. Nature Materials, 2019, 18, 1235-1243.	13.3	34
12	(Cross-Linked Poly(Ionic Liquid)-Ionic Liquid-Zeolite) Mixed-Matrix Membranes for CO <sub>2</sub> /CH <sub>4</sub> Gas Separations Based on Curable Ionic Liquid Prepolymers. Industrial & Engineering Chemistry Research, 2019, 58, 4704-4708.	1.8	38
13	<i>110th Anniversary:</i> The Dehydration and Loss of Ionic Conductivity in Anion Exchange Membranes Due to FeCl <sub>4</sub> <sup>-</sup> Ion Exchange and the Role of Membrane Microstructure. Industrial & Engineering Chemistry Research, 2019, 58, 22250-22259.	1.8	9
14	Understanding the Nanoscale Structure of Inverted Hexagonal Phase Lyotropic Liquid Crystal Polymer Membranes. Journal of Physical Chemistry B, 2019, 123, 289-309.	1.2	11
15	Phosphonium-Based Poly(ionic liquid)/Ionic Liquid Ion Gel Membranes: Influence of Structure and Ionic Liquid Loading on Ion Conductivity and Light Gas Separation Performance. Journal of Chemical & Engineering Data, 2018, 63, 1154-1162.	1.0	19
16	Ordered nanoporous lyotropic liquid crystal polymer resin for heterogeneous catalytic aerobic oxidation of alcohols. Chemical Communications, 2018, 54, 12053-12056.	2.2	11
17	Introduction to the Richard Noble Festschrift. Industrial & Engineering Chemistry Research, 2018, 57, 15961-15962.	1.8	0
18	Curable Ionic Liquid Prepolymer-Based Ion Gel Coating System for Toxic Industrial Chemical Hazard Mitigation on Porous Substrates. Industrial & Engineering Chemistry Research, 2018, 57, 16012-16020.	1.8	4

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19	Catalytic membrane reactor for Suzuki-Miyaura C-C cross-coupling: Explanation for its high efficiency via modeling. <i>AIChE Journal</i> , 2017, 63, 698-704.	1.8	16
20	CO <sub>2</sub> /CH <sub>4</sub> separation performance of ionic-liquid-based epoxy-amine ion gel membranes under mixed feed conditions relevant to biogas processing. <i>Journal of Membrane Science</i> , 2017, 528, 64-71.	4.1	68
21	Effect of post-polymerization anion-exchange on the rejection of uncharged aqueous solutes in nanoporous, ionic, lyotropic liquid crystal polymer membranes. <i>Journal of Membrane Science</i> , 2017, 529, 72-79.	4.1	25
22	Cross-linked, polyurethane-based, ammonium poly(ionic liquid)/ionic liquid composite films for organic vapor suppression and ion conduction. <i>Polymer</i> , 2017, 112, 435-446.	1.8	16
23	Metal-containing ionic liquid-based, uncharged- charged diblock copolymers that form ordered, phase-separated microstructures and reversibly coordinate small protic molecules. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2961-2965.	2.5	14
24	Pillar[5]arene/Matrimid, materials for high-performance methane purification membranes. <i>Journal of Membrane Science</i> , 2017, 539, 224-228.	4.1	40
25	Application of a lyotropic liquid crystal nanofiltration membrane for hydraulic fracturing flowback water: Selectivity and implications for treatment. <i>Journal of Membrane Science</i> , 2017, 543, 319-327.	4.1	34
26	Facile fabrication of CO <sub>2</sub> separation membranes by cross-linking of poly(ethylene glycol) diglycidyl ether with a diamine and a polyamine-based ionic liquid. <i>Journal of Membrane Science</i> , 2017, 523, 551-560.	4.1	72
27	Poly(ionic liquid)/Ionic Liquid Ion-Gels with High Free-Ionic Liquid Content: Platform Membrane Materials for CO <sub>2</sub> /Light Gas Separations. <i>Accounts of Chemical Research</i> , 2016, 49, 724-732.	7.6	182
28	Curable Imidazolium Poly(ionic liquid)/Ionic Liquid Coating for Containment and Decontamination of Toxic Industrial Chemical-Contacted Substrates. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 6547-6550.	1.8	12
29	Hybrid Catalytic Membranes: Tunable and Versatile Materials for Fine Chemistry Applications. <i>Materials Today: Proceedings</i> , 2016, 3, 419-423.	0.9	5
30	Elastic free-standing RTIL composite membranes for CO <sub>2</sub> /N <sub>2</sub> separation based on sphere-forming triblock/diblock copolymer blends. <i>Journal of Membrane Science</i> , 2016, 511, 170-179.	4.1	19
31	Imidazolium-Based Poly(ionic liquid)/Ionic Liquid Ion-Gels with High Ionic Conductivity Prepared from a Curable Poly(ionic liquid). <i>Macromolecular Rapid Communications</i> , 2016, 37, 1150-1154.	2.0	30
32	Effect of an <i>n</i> -Alkoxy-2,4-hexadiene Polymerizable Tail System on the Mesogenic Properties and Cross-Linking of Mono-Imidazolium-Based Ionic Liquid Crystal Monomers. <i>ACS Macro Letters</i> , 2016, 5, 844-848.	2.3	10
33	Effect of varying the composition and nanostructure of organic carbonate-containing lyotropic liquid crystal polymer electrolytes on their ionic conductivity. <i>Polymer Journal</i> , 2016, 48, 635-643.	1.3	19
34	Thin Polymer Films with Continuous Vertically Aligned 1 nm Pores Fabricated by Soft Confinement. <i>ACS Nano</i> , 2016, 10, 150-158.	7.3	92
35	Determination and optimization of factors affecting CO <sub>2</sub> /CH <sub>4</sub> separation performance in poly(ionic) Tj ETQq1 1 0.784314 rgBT /Over	4.1	82
36	Combination of ionic liquids with membrane technology: A new approach for CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , 2016, 497, 1-20.	4.1	439

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37	Phosphonium-based poly(Ionic liquid) membranes: The effect of cation alkyl chain length on light gas separation properties and ionic conductivity. <i>Journal of Membrane Science</i> , 2016, 498, 408-413.	4.1	74
38	Reversible and Selective O <sub>2</sub> Binding Using a New Thermoresponsive Cobalt(II)-Based Ionic Liquid. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 12214-12216.	1.8	7
39	Fixed-site-carrier facilitated transport of carbon dioxide through ionic-liquid-based epoxy-amine ion gel membranes. <i>Journal of Membrane Science</i> , 2015, 492, 303-311.	4.1	52
40	High catalytic efficiency of palladium nanoparticles immobilized in a polymer membrane containing poly(ionic liquid) in Suzuki-Miyaura cross-coupling reaction. <i>Journal of Membrane Science</i> , 2015, 492, 331-339.	4.1	57
41	High Ethene/Ethane Selectivity in 2,2'-Bipyridine-Based Silver(I) Complexes by Removal of Coordinated Solvent. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5740-5743.	7.2	20
42	Effect of Monomer Structure on Curing Behavior, CO <sub>2</sub> Solubility, and Gas Permeability of Ionic Liquid-Based Epoxy-Amine Resins and Ion-Gels. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 4396-4406.	1.8	39
43	High-Permeance Room-Temperature Ionic-Liquid-Based Membranes for CO <sub>2</sub> /N <sub>2</sub> Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 20064-20067.	1.8	63
44	Ordered, microphase-separated, noncharged-charged diblock copolymers via the sequential ATRP of styrene and styrenic imidazolium monomers. <i>Polymer</i> , 2014, 55, 6664-6671.	1.8	14
45	Combined Stabilizing Effects of Trifluoromethyl Groups and Semifluorinated Side Chains on the Thermotropic Liquid-Crystal Behavior of $\beta$ -Enamino Ketone Ligands and Their Bischelate Pd(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5609-5617.	1.0	5
46	Cross-linked ionic resins and gels from epoxide-functionalized imidazolium ionic liquid monomers. <i>Polymer</i> , 2014, 55, 3305-3313.	1.8	61
47	Ending Aging in Super Glassy Polymer Membranes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5322-5326.	7.2	275
48	A cobalt(ii) bis(salicylate)-based ionic liquid that shows thermoresponsive and selective water coordination. <i>Chemical Communications</i> , 2014, 50, 6633.	2.2	22
49	Scalable Fabrication of Polymer Membranes with Vertically Aligned 1 nm Pores by Magnetic Field Directed Self-Assembly. <i>ACS Nano</i> , 2014, 8, 11977-11986.	7.3	183
50	Effect of counter-ion on the thermotropic liquid crystal behaviour of bis(alkyl)-tris(imidazolium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	0.9	28
51	Vinyl-Functionalized Poly(imidazolium)s: A Curable Polymer Platform for Cross-Linked Ionic Liquid Gel Synthesis. <i>Chemistry of Materials</i> , 2014, 26, 1294-1296.	3.2	44
52	Thin-film composite bicontinuous cubic lyotropic liquid crystal polymer membranes: Effects of anion-exchange on water filtration performance. <i>Journal of Membrane Science</i> , 2014, 455, 143-151.	4.1	30
53	Imidazolium-containing, hydrophobic-ionic-hydrophilic ABC triblock copolymers: synthesis, ordered phase-separation, and supported membrane fabrication. <i>Soft Matter</i> , 2013, 9, 7923.	1.2	39
54	Effect of composition and nanostructure on CO <sub>2</sub> /N <sub>2</sub> transport properties of supported alkyl-imidazolium block copolymer membranes. <i>Journal of Membrane Science</i> , 2013, 430, 312-320.	4.1	47

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55	New ionic organic compounds containing a linear tris(imidazolium) core and their thermotropic liquid crystal behaviour. <i>Liquid Crystals</i> , 2013, 40, 1067-1081.	0.9	29
56	Physically Gelled Room-Temperature Ionic Liquid-Based Composite Membranes for CO <sub>2</sub> /N <sub>2</sub> Separation: Effect of Composition and Thickness on Membrane Properties and Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 8812-8821.	1.8	49
57	Ideal CO <sub>2</sub> /Light Gas Separation Performance of Poly(vinylimidazolium) Membranes and Poly(vinylimidazolium)-Ionic Liquid Composite Films. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 1023-1032.	1.8	124
58	Alkyl-bis(imidazolium) salts: a new amphiphile platform that forms thermotropic and non-aqueous lyotropic bicontinuous cubic phases. <i>Chemical Communications</i> , 2013, 49, 9407.	2.2	22
59	Ionic liquids as novel materials for energy efficient CO <sub>2</sub> separations. <i>Sustainable Technologies Systems &amp; Policies</i> , 2012, , 15.	0.0	0
60	Glycerol-Based Bicontinuous Cubic Lyotropic Liquid Crystal Monomer System for the Fabrication of Thin-Film Membranes with Uniform Nanopores. <i>Chemistry of Materials</i> , 2012, 24, 4005-4007.	3.2	80
61	A Highly Breathable Organic/Inorganic Barrier Material that Blocks the Passage of Mustard Agent Simulants. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 7453-7456.	1.8	21
62	Morphological Phase Behavior of Poly(RTIL)-Containing Diblock Copolymer Melts. <i>Macromolecules</i> , 2012, 45, 4262-4276.	2.2	51
63	Nanoporous polymer materials based on self-organized, bicontinuous cubic lyotropic liquid crystal assemblies and their applications. <i>Polymer Journal</i> , 2012, 44, 461-468.	1.3	60
64	Ionic Liquid Gel-Based Containment and Decontamination Coating for Blister Agent-Contacted Substrates. <i>Chemistry of Materials</i> , 2012, 24, 1174-1180.	3.2	12
65	CO <sub>2</sub> /light gas separation performance of cross-linked poly(vinylimidazolium) gel membranes as a function of ionic liquid loading and cross-linker content. <i>Journal of Membrane Science</i> , 2012, 397-398, 24-37.	4.1	100
66	Modified normal-phase ion-pair chromatographic methods for the facile separation and purification of imidazolium-based ionic compounds. <i>Tetrahedron Letters</i> , 2012, 53, 3456-3458.	0.7	8
67	Synthesis and Ordered Phase Separation of Imidazolium-Based Alkyl-ionic Diblock Copolymers Made via ROMP. <i>Macromolecules</i> , 2011, 44, 5075-5078.	2.2	50
68	Designing the Next Generation of Chemical Separation Membranes. <i>Science</i> , 2011, 332, 674-676.	6.0	667
69	Water filtration performance of a lyotropic liquid crystal polymer membrane with uniform, sub-1-nm pores. <i>Journal of Membrane Science</i> , 2011, 366, 62-72.	4.1	57
70	Perspective on ionic liquids and ionic liquid membranes. <i>Journal of Membrane Science</i> , 2011, 369, 1-4.	4.1	227
71	Novel mixed matrix membranes based on polymerizable room-temperature ionic liquids and SAPO-34 particles to improve CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , 2011, 370, 141-148.	4.1	179
72	Main-chain imidazolium polymer membranes for CO <sub>2</sub> separations: An initial study of a new ionic liquid-inspired platform. <i>Journal of Membrane Science</i> , 2010, 359, 37-43.	4.1	140

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73	Modification of nanoporous supported lyotropic liquid crystal polymer membranes by atomic layer deposition. <i>Journal of Membrane Science</i> , 2010, 349, 1-5.	4.1	20
74	A three-component mixed-matrix membrane with enhanced CO <sub>2</sub> separation properties based on zeolites and ionic liquid materials. <i>Journal of Membrane Science</i> , 2010, 350, 117-123.	4.1	159
75	(Invited) New Functionalized Imidazolium-Based Room-Temperature Ionic Liquids and Composite Materials for Gas Separation and Selective Transport Applications. <i>ECS Transactions</i> , 2010, 33, 21-34.	0.3	2
76	High Water Vapor Flux Membranes Based on Novel Diol-Imidazolium Polymers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 11914-11919.	1.8	10
77	Thermotropic liquid crystal behaviour of gemini imidazolium-based ionic amphiphiles. <i>Liquid Crystals</i> , 2010, 37, 1587-1599.	0.9	50
78	Nanoporous, Bicontinuous Cubic Lyotropic Liquid Crystal Networks via Polymerizable Gemini Ammonium Surfactants. <i>Chemistry of Materials</i> , 2010, 22, 4525-4527.	3.2	73
79	Room-Temperature Ionic Liquids and Composite Materials: Platform Technologies for CO <sub>2</sub> Capture. <i>Accounts of Chemical Research</i> , 2010, 43, 152-159.	7.6	569
80	A comparison of fluoroalkyl-derivatized imidazolium:TFSI and alkyl-derivatized imidazolium:TFSI ionic liquids: a molecular dynamics simulation study. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7064.	1.3	48
81	New protein-resistant coatings for water filtration membranes based on quaternary ammonium and phosphonium polymers. <i>Journal of Membrane Science</i> , 2009, 330, 104-116.	4.1	65
82	Gas separations in fluoroalkyl-functionalized room-temperature ionic liquids using supported liquid membranes. <i>Chemical Engineering Journal</i> , 2009, 147, 43-50.	6.6	225
83	Effect of Free Cation Substituent on Gas Separation Performance of Polymer Room-Temperature Ionic Liquid Composite Membranes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 4607-4610.	1.8	120
84	New Type of Li Ion Conductor with 3D Interconnected Nanopores via Polymerization of a Liquid Organic Electrolyte-Filled Lyotropic Liquid-Crystal Assembly. <i>Journal of the American Chemical Society</i> , 2009, 131, 15972-15973.	6.6	152
85	Guide to CO <sub>2</sub> Separations in Imidazolium-Based Room-Temperature Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 2739-2751.	1.8	656
86	Physically Gelled Ionic Liquids: Solid Membrane Materials with Liquidlike CO <sub>2</sub> Gas Transport. <i>Chemistry of Materials</i> , 2009, 21, 3027-3029.	3.2	114
87	Diol-Functionalized Imidazolium-Based Room-Temperature Ionic Liquids with Bis(trifluoromethanesulfonimide) Anions that Exhibit Variable Water Miscibility. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 8757-8759.	1.8	19
88	Synthesis and light gas separations in cross-linked gemini room temperature ionic liquid polymer membranes. <i>Journal of Membrane Science</i> , 2008, 316, 186-191.	4.1	143
89	Improving CO <sub>2</sub> permeability in polymerized room-temperature ionic liquid gas separation membranes through the formation of a solid composite with a room-temperature ionic liquid. <i>Polymers for Advanced Technologies</i> , 2008, 19, 1415-1420.	1.6	228
90	Polymerized Lyotropic Liquid Crystal Assemblies for Membrane Applications. <i>Macromolecular Rapid Communications</i> , 2008, 29, 367-389.	2.0	106

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91	Polymerizable Photochromic Macrocyclic Metallomesogens: Design of Supramolecular Polymers with Responsive Nanopores. <i>Advanced Materials</i> , 2008, 20, 174-178.	11.1	40
92	Improving CO <sub>2</sub> selectivity in polymerized room-temperature ionic liquid gas separation membranes through incorporation of polar substituents. <i>Journal of Membrane Science</i> , 2008, 321, 3-7.	4.1	233
93	Selective rejection of a water-soluble nerve agent stimulant using a nanoporous lyotropic liquid crystal-butyl rubber vapor barrier material: Evidence for a molecular size-discrimination mechanism. <i>Journal of Membrane Science</i> , 2008, 318, 397-404.	4.1	43
94	Room-Temperature Ionic Liquid-Amine Solutions: Tunable Solvents for Efficient and Reversible Capture of CO <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 8496-8498.	1.8	412
95	A comparison of ether- and alkyl-derivatized imidazolium-based room-temperature ionic liquids: a molecular dynamics simulation study. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 6301.	1.3	125
96	Effect of Anion on Gas Separation Performance of Polymer-Room-Temperature Ionic Liquid Composite Membranes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 9919-9924.	1.8	143
97	Interpretation of CO <sub>2</sub> Solubility and Selectivity in Nitrile-Functionalized Room-Temperature Ionic Liquids Using a Group Contribution Approach. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 7005-7012.	1.8	179
98	Enhanced CO <sub>2</sub> Separation Selectivity in Oligo(ethylene glycol) Functionalized Room-Temperature Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 5380-5386.	1.8	227
99	Self-Organization of a Wedge-Shaped Surfactant in Monolayers and Multilayers. <i>Langmuir</i> , 2007, 23, 482-487.	1.6	8
100	Synthesis and Performance of Polymerizable Room-Temperature Ionic Liquids as Gas Separation Membranes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 5397-5404.	1.8	379
101	Langmuir Monolayers of a Photoisomerizable Macrocyclic Surfactant. <i>Langmuir</i> , 2007, 23, 7923-7927.	1.6	10
102	New Type of Membrane Material for Water Desalination Based on a Cross-Linked Bicontinuous Cubic Lyotropic Liquid Crystal Assembly. <i>Journal of the American Chemical Society</i> , 2007, 129, 9574-9575.	6.6	238
103	Effect of ligand modifications and varying metal-to-ligand ratio on the catalyzed hydrolysis of phosphorus triesters by bimetallic tetrabenzimidazole complexes. <i>Journal of Molecular Catalysis A</i> , 2007, 267, 173-180.	4.8	10
104	Influence of nanostructure on light gas separations in cross-linked lyotropic liquid crystal membranes. <i>Journal of Membrane Science</i> , 2007, 288, 13-19.	4.1	51
105	Functional Lyotropic Liquid Crystal Materials. , 2007, , 181-222.		60
106	Rapid phosphorus triester hydrolysis catalyzed by bimetallic tetrabenzimidazole complexes. <i>Chemical Communications</i> , 2006, , 2919.	2.2	19
107	Recent Advances in the Design of Polymerizable Lyotropic Liquid-Crystal Assemblies for Heterogeneous Catalysis and Selective Separations. <i>Advanced Functional Materials</i> , 2006, 16, 865-878.	7.8	141
108	Crosslinked Bicontinuous Cubic Lyotropic Liquid-Crystal/Butyl-Rubber Composites: Highly Selective, Breathable Barrier Materials for Chemical Agent Protection. <i>Advanced Materials</i> , 2006, 18, 3294-3298.	11.1	54

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109	Catalyzed dioctyl phthalate formation using a nanostructured solid acid resin. <i>AICHE Journal</i> , 2006, 52, 418-421.	1.8	3
110	Polymerizable Transition-Metal-Containing Liquid Crystals with Thermally Reactive 1,3-Diene Tails. <i>Advanced Materials</i> , 2005, 17, 602-606.	11.1	12
111	Supported Lyotropic Liquid-Crystal Polymer Membranes: Promising Materials for Molecular-Size-Selective Aqueous Nanofiltration. <i>Advanced Materials</i> , 2005, 17, 1850-1853.	11.1	143
112	Periodic Arrays of Interfacial Cylindrical Reverse Micelles. <i>Langmuir</i> , 2005, 21, 9799-9802.	1.6	5
113	Cross-Linked Lyotropic Liquid Crystal~Butyl Rubber Composites:~ Promising ~Breathable~Barrier Materials for Chemical Protection Applications. <i>Chemistry of Materials</i> , 2005, 17, 224-226.	3.2	35
114	Nanostructured, Solid-State Organic, Chiral Diels~Alder Catalysts via Acid-Induced Liquid Crystal Assembly. <i>Chemistry of Materials</i> , 2005, 17, 4889-4891.	3.2	54
115	Heterogeneous Catalysis Using a Nanostructured Solid Acid Resin Based on Lyotropic Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2004, 126, 1616-1617.	6.6	69
116	Polymerizable hexacatenar liquid crystals containing a luminescent oligo(p-phenylenevinylene) core. <i>Liquid Crystals</i> , 2004, 31, 185-199.	0.9	18
117	Polymerizable Bent-Core Mesogens: Switchable Precursors to Ordered, Polar Polymer Materials. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1815-1819.	7.2	43
118	Assembly of Acidic Amphiphiles into Inverted Hexagonal Phases Using an l-Alanine-Based Surfactant as a Structure-Directing Agent. <i>Langmuir</i> , 2003, 19, 6346-6348.	1.6	25
119	Cross-Linked Normal Hexagonal and Bicontinuous Cubic Assemblies via Polymerizable Gemini Amphiphiles. <i>Journal of the American Chemical Society</i> , 2003, 125, 2940-2949.	6.6	118
120	Aromatic Side Chain-Functionalized Long Chain Acid Salts:~ Structural Factors Influencing Their Lyotropic Liquid-Crystalline Behavior. <i>Langmuir</i> , 2002, 18, 7415-7427.	1.6	5
121	Synthesis and lyotropic liquid crystalline behaviour of a taper-shaped phosphonic acid amphiphile. <i>Liquid Crystals</i> , 2002, 29, 1151-1159.	0.9	18
122	A New Family of Polymerizable Lyotropic Liquid Crystals:~ Control of Feature Size in Cross-Linked Inverted Hexagonal Assemblies via Monomer Structure. <i>Journal of the American Chemical Society</i> , 2001, 123, 363-371.	6.6	48
123	Polymerized Lyotropic Liquid Crystal Assemblies for Materials Applications. <i>Accounts of Chemical Research</i> , 2001, 34, 973-980.	7.6	220
124	Polymerization of a Phosphonium Diene Amphiphile in the Regular Hexagonal Phase with Retention of Mesostructure. <i>Journal of the American Chemical Society</i> , 2001, 123, 4617-4618.	6.6	46
125	Probing matrix isolation effects in lyotropic liquid crystal nanocomposites using water-soluble PPv. <i>Synthetic Metals</i> , 2001, 121, 1291-1294.	2.1	3
126	A Nanostructured, Scandium-Containing Polymer for Heterogeneous Lewis Acid Catalysis in Water. <i>Chemistry of Materials</i> , 2001, 13, 1949-1951.	3.2	69



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127	Nanoporous Catalytic Materials with Organic Frameworks. <i>Advanced Materials</i> , 2001, 13, 1407-1410.	11.1	46
128	Supramolecular chemistry: Functional structures on the mesoscale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 11849-11850.	3.3	49
129	Catalytic Pd Nanoparticles Synthesized Using a Lyotropic Liquid Crystal Polymer Template. <i>Chemistry of Materials</i> , 2000, 12, 22-24.	3.2	146
130	Lyotropic Liquid-Crystalline Phase Behavior of Some Alkyltrimethylphosphonium Bromides. <i>Langmuir</i> , 2000, 16, 6750-6753.	1.6	8
131	Cross-Linkable Liquid Crystal Monomers Containing Hydrocarbon 1,3-Diene Tail Systems. <i>Macromolecules</i> , 2000, 33, 8549-8558.	2.2	47
132	Correlation of structure and phase behaviour for a series of modular, chiral liquid crystal diacrylates based on lactic acid. <i>Liquid Crystals</i> , 2000, 27, 1317-1323.	0.9	2
133	Polymerizable Liquid Crystals as Building Blocks for Functional, Nanostructured Materials. <i>Synlett</i> , 1999, 1999, 1509-1522.	1.0	17
134	Synthesis of Functional, Nanostructured Composites and Catalysts using Polymerizable Lyotropic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 332, 423-429.	0.3	1
135	Synthesis and Polymerization of a Chiral Liquid Crystal Diacrylate Exhibiting Smectic A* and C* Phases. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 332, 267-272.	0.3	0
136	Nanostructured materials based on polymerizable amphiphiles. <i>Current Opinion in Colloid and Interface Science</i> , 1999, 4, 338-347.	3.4	59
137	Optically detected magnetic resonance studies of nanostructured PPV-composites. <i>Optical Materials</i> , 1999, 12, 369-372.	1.7	5
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