

Takashi Kato

List of Publications by Year in descending order

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421
papers

30,017
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4120

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docs citations

526
times ranked

15119
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Liquid-Crystalline Assemblies: Self-Organized Soft Materials. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 38-68.	7.2	1,451
2	Self-Assembly of Phase-Segregated Liquid Crystal Structures. <i>Science</i> , 2002, 295, 2414-2418.	6.0	1,259
3	Mechanically induced luminescence changes in molecular assemblies. <i>Nature Chemistry</i> , 2009, 1, 605-610.	6.6	1,105
4	Mechanoresponsive Luminescent Molecular Assemblies: An Emerging Class of Materials. <i>Advanced Materials</i> , 2016, 28, 1073-1095.	11.1	740
5	A new approach to mesophase stabilization through hydrogen bonding molecular interactions in binary mixtures. <i>Journal of the American Chemical Society</i> , 1989, 111, 8533-8534.	6.6	641
6	An Acidic Matrix Protein, Pif, Is a Key Macromolecule for Nacre Formation. <i>Science</i> , 2009, 325, 1388-1390.	6.0	625
7	One-Dimensional Ion Transport in Self-Organized Columnar Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2004, 126, 994-995.	6.6	448
8	Stacking of conical molecules with a fullerene apex into polar columns in crystals and liquid crystals. <i>Nature</i> , 2002, 419, 702-705.	13.7	398
9	One-Dimensional Ion-Conductive Polymer Films: Alignment and Fixation of Ionic Channels Formed by Self-Organization of Polymerizable Columnar Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2006, 128, 5570-5577.	6.6	395
10	Stabilization of a liquid-crystalline phase through noncovalent interaction with a polymer side chain. <i>Macromolecules</i> , 1989, 22, 3818-3819.	2.2	394
11	Stimuli-Responsive Luminescent Liquid Crystals: Change of Photoluminescent Colors Triggered by a Shear-Induced Phase Transition. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5175-5178.	7.2	377
12	Solid-state CP/MAS carbon-13 NMR study of cellulose polymorphs. <i>Macromolecules</i> , 1989, 22, 3168-3172.	2.2	371
13	Functional Liquid Crystals towards the Next Generation of Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4355-4371.	7.2	363
14	Transport of ions and electrons in nanostructured liquid crystals. <i>Nature Reviews Materials</i> , 2017, 2, .	23.3	333
15	Calcium Carbonate-Organic Hybrid Materials. <i>Advanced Materials</i> , 2002, 14, 869.	11.1	327
16	Use of intermolecular hydrogen bonding for the induction of liquid crystallinity in the side chain of polysiloxanes. <i>Journal of the American Chemical Society</i> , 1992, 114, 6630-6639.	6.6	319
17	Brightly Tricolored Mechanochromic Luminescence from a Single-Luminophore Liquid Crystal: Reversible Writing and Erasing of Images. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9128-9132.	7.2	308
18	Self-assembly of functional columnar liquid crystals. <i>Chemical Communications</i> , 2009, , 729.	2.2	299

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19	Liquid-crystalline physical gels. <i>Chemical Society Reviews</i> , 2007, 36, 1857.	18.7	292
20	Hydrogen-bonded liquid crystals. Novel mesogens incorporating nonmesogenic bipyridyl compounds through complexation between hydrogen-bond donor and acceptor moieties. <i>Chemistry of Materials</i> , 1993, 5, 1094-1100.	3.2	269
21	Self-Organization of Room-Temperature Ionic Liquids Exhibiting Liquid-Crystalline Bicontinuous Cubic Phases: Formation of Nano-Ion Channel Networks. <i>Journal of the American Chemical Society</i> , 2007, 129, 10662-10663.	6.6	257
22	Polymer/Calcium Carbonate Layered Thin-Film Composites. <i>Advanced Materials</i> , 2000, 12, 1543-1546.	11.1	245
23	Hydrogen-Bonded Liquid Crystalline Materials: Supramolecular Polymeric Assembly and the Induction of Dynamic Function. <i>Macromolecular Rapid Communications</i> , 2001, 22, 797-814.	2.0	241
24	A Stimuli-Responsive, Photoluminescent, Anthracene-Based Liquid Crystal: Emission Color Determined by Thermal and Mechanical Processes. <i>Advanced Functional Materials</i> , 2009, 19, 1869-1875.	7.8	241
25	Electroactive Supramolecular Self-Assembled Fibers Comprised of Doped Tetrathiafulvalene-Based Gelators. <i>Journal of the American Chemical Society</i> , 2005, 127, 14769-14775.	6.6	234
26	A Liquid-Crystalline Polymer Network Built by Molecular Self-Assembly through Intermolecular Hydrogen Bonding. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1644-1645.	4.4	214
27	Layered Ionic Liquids: Anisotropic Ion Conduction in New Self-Organized Liquid-Crystalline Materials. <i>Advanced Materials</i> , 2002, 14, 351.	11.1	213
28	π -Conjugated Oligothiophene-Based Polycatenar Liquid Crystals: Self-Organization and Photoconductive, Luminescent, and Redox Properties. <i>Advanced Functional Materials</i> , 2009, 19, 411-419.	7.8	212
29	Hydrogen-bonded liquid crystals built from hydrogen-bonding donors and acceptors. Infrared study on the stability of the hydrogen bond between carboxylic acid and pyridyl moieties. <i>Liquid Crystals</i> , 1993, 14, 1311-1317.	0.9	204
30	Molecular self-assembly of liquid crystalline side-chain polymers through intermolecular hydrogen bonding. Polymeric complexes built from a polyacrylate and stilbazoles. <i>Macromolecules</i> , 1992, 25, 6836-6841.	2.2	192
31	Thin-Film Formation of Calcium Carbonate Crystals: Effects of Functional Groups of Matrix Polymers. <i>Chemistry of Materials</i> , 2001, 13, 688-693.	3.2	187
32	Supramolecular Chirality of Thermotropic Liquid-Crystalline Folic Acid Derivatives. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1969-1972.	7.2	181
33	Noncovalent Approach to One-Dimensional Ion Conductors: Enhancement of Ionic Conductivities in Nanostructured Columnar Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2008, 130, 1759-1765.	6.6	181
34	Electro-Functional Octupolar π -Conjugated Columnar Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2011, 133, 13437-13444.	6.6	180
35	Self-Organized Calcium Carbonate with Regular Surface-Relief Structures. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5299-5303.	7.2	178
36	Photoresponsive Anisotropic Soft Solids: Liquid-Crystalline Physical Gels Based on a Chiral Photochromic Gelator. <i>Advanced Materials</i> , 2003, 15, 1335-1338.	11.1	173

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37	Effects of macromolecules on the crystallization of CaCO ₃ the Formation of Organic/Inorganic Composites. <i>Supramolecular Science</i> , 1998, 5, 411-415.	0.7	172
38	A Liquid-Crystalline Bistable [2]Rotaxane. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4675-4679.	7.2	172
39	Hydrogen bonding and the self-assembly of supramolecular liquid-crystalline materials. <i>Macromolecular Symposia</i> , 1995, 98, 311-326.	0.4	170
40	3D Interconnected Ionic Nano-Channels Formed in Polymer Films: Self-Organization and Polymerization of Thermotropic Bicontinuous Cubic Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2011, 133, 2163-2169.	6.6	170
41	Hydrogen-Bonded Liquid Crystals: Molecular Self-Assembly for Dynamically Functional Materials. , 2000. , 95-146.		165
42	Supramolecular Liquid-Crystalline Networks Built by Self-Assembly of Multifunctional Hydrogen-Bonding Molecules. <i>Chemistry of Materials</i> , 1996, 8, 961-968.	3.2	159
43	Self-Organized Liquid-Crystalline Nanostructured Membranes for Water Treatment: Selective Permeation of Ions. <i>Advanced Materials</i> , 2012, 24, 2238-2241.	11.1	156
44	Template Effect of Crystalline Poly(vinyl alcohol) for Selective Formation of Aragonite and Vaterite CaCO ₃ Thin Films. <i>Macromolecules</i> , 2003, 36, 6449-6452.	2.2	152
45	Self-Organization of Oriented Calcium Carbonate/Polymer Composites: Effects of a Matrix Peptide Isolated from the Exoskeleton of a Crayfish. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2876-2879.	7.2	143
46	Induction of Thermotropic Bicontinuous Cubic Phases in Liquid-Crystalline Ammonium and Phosphonium Salts. <i>Journal of the American Chemical Society</i> , 2012, 134, 2634-2643.	6.6	143
47	Nanostructured Anisotropic Ion-Conductive Films. <i>Journal of the American Chemical Society</i> , 2003, 125, 3196-3197.	6.6	142
48	Aragonite CaCO ₃ thin-film formation by cooperation of Mg ²⁺ and organic polymer matrices. <i>Chemical Communications</i> , 2000. , 487-488.	2.2	141
49	Biomimetic synthesis of functional organic/inorganic hybrid materials: organic molecular control of self-organization of hybrids. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 974-989.	1.5	139
50	Dendritic Folate Rosettes as Ion Channels in Lipid Bilayers. <i>Journal of the American Chemical Society</i> , 2006, 128, 2218-2219.	6.6	135
51	Nanostructured Liquid Crystals Combining Ionic and Electronic Functions. <i>Journal of the American Chemical Society</i> , 2010, 132, 7702-7708.	6.6	135
52	From Nanostructured Liquid Crystals to Polymer-Based Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7847-7848.	7.2	131
53	Gelation of Room-Temperature Liquid Crystals by the Association of <i>trans</i> -1,2-Bis(amino)cyclohexane Derivative. <i>Advanced Materials</i> , 1998, 10, 606-608.	11.1	129
54	Liquid-Crystalline Complexes of Mesogenic Dimers Containing Oxyethylene Moieties with LiCF ₃ SO ₃ :A Self-Organized Ion Conductive Materials. <i>Chemistry of Materials</i> , 2000, 12, 782-789.	3.2	128

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55	Nanostructured ion-conductive films: Layered assembly of a side-chain liquid-crystalline polymer with an imidazolium ionic moiety. <i>Journal of Polymer Science Part A</i> , 2003, 41, 3486-3492.	2.5	124
56	3D Anhydrous Proton-Transporting Nanochannels Formed by Self-Assembly of Liquid Crystals Composed of a Sulfobetaine and a Sulfonic Acid. <i>Journal of the American Chemical Society</i> , 2013, 135, 15286-15289.	6.6	124
57	Nano-Segregated Polymeric Film Exhibiting High Ionic Conductivities. <i>Journal of the American Chemical Society</i> , 2005, 127, 15618-15623.	6.6	123
58	Supramolecular Liquid-Crystalline Complexes Exhibiting Room-Temperature Mesophases and Electrooptic Effects. Hydrogen-Bonded Mesogens Derived from Alkylpyridines and Benzoic Acids. <i>Chemistry of Materials</i> , 1995, 7, 368-372.	3.2	122
59	Induction of Ferroelectricity in Polymeric Systems through Hydrogen Bonding. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1531-1533.	4.4	121
60	Stacking of Molecules Possessing a Fullerene Apex and a Cup-Shaped Cavity Connected by a Silicon Connection. <i>Journal of the American Chemical Society</i> , 2004, 126, 432-433.	6.6	119
61	Clicked Interlocked Molecules. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 1856-1869.	2.0	119
62	Nanosegregated Amorphous Composites of Calcium Carbonate and an Organic Polymer. <i>Advanced Materials</i> , 2008, 20, 3633-3637.	11.1	119
63	Synthesis and Structural, Electrochemical, and Stacking Properties of Conical Molecules Possessing Buckyferrocene on the Apex. <i>Journal of the American Chemical Society</i> , 2006, 128, 9586-9587.	6.6	118
64	Full-Color Tunable Photoluminescent Ionic Liquid Crystals Based on Tripodal Pyridinium, Pyrimidinium, and Quinolinium Salts. <i>Journal of the American Chemical Society</i> , 2012, 134, 5652-5661.	6.6	117
65	Macroscopic Photocontrol of Ion-Transporting Pathways of a Nanostructured Imidazolium-Based Photoresponsive Liquid Crystal. <i>Journal of the American Chemical Society</i> , 2014, 136, 9552-9555.	6.6	116
66	Title is missing!. <i>Journal of Materials Chemistry</i> , 2001, 11, 2875-2886.	6.7	114
67	Structures and Properties of Supramolecular Liquid-Crystalline Side-Chain Polymers Built through Intermolecular Hydrogen Bonds. <i>Macromolecules</i> , 1996, 29, 8734-8739.	2.2	113
68	Supramolecular Liquid-Crystalline Side-Chain Polymers Built through a Molecular Recognition Process by Double Hydrogen Bonds. <i>Macromolecules</i> , 1995, 28, 8875-8876.	2.2	107
69	Color-Tunable Fluorescent Organogels: Columnar Self-Assembly of Pyrene-Containing Oligo(glutamic) Tj ETQq ₁ 1 0.784314 rgB (107	1.6	107
70	Macromolecular Templating for the Formation of Inorganic-Organic Hybrid Structures. <i>MRS Bulletin</i> , 2010, 35, 127-132.	1.7	107
71	Advanced Functional Liquid Crystals. <i>Advanced Materials</i> , 2022, 34, e2109063.	11.1	106
72	Liquid-Crystalline Electrolytes for Lithium-Ion Batteries: Ordered Assemblies of a Mesogen-Containing Carbonate and a Lithium Salt. <i>Advanced Functional Materials</i> , 2015, 25, 1206-1212.	7.8	104

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73	Fast and High-Contrast Electro-optical Switching of Liquid-Crystalline Physical Gels: Formation of Oriented Microphase-Separated Structures. <i>Advanced Functional Materials</i> , 2003, 13, 313-317.	7.8	103
74	Self-Assembly of Liquid Crystalline Complexes Having Angular Structures through Intermolecular Hydrogen Bonding. <i>Chemistry Letters</i> , 1992, 21, 265-268.	0.7	102
75	Columnar Liquid-Crystalline Imidazolium Salts. Effects of Anions and Cations on Mesomorphic Properties and Ionic Conductivities. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 1836-1841.	2.0	102
76	An Electrochromic Nanostructured Liquid Crystal Consisting of π -Conjugated and Ionic Moieties. <i>Journal of the American Chemical Society</i> , 2008, 130, 13206-13207.	6.6	100
77	Self-Aggregation of an Amino Acid Derivative in a Liquid-Crystalline Physical Gel—Faster Response to Electric Fields. <i>Advanced Materials</i> , 1999, 11, 392-394.	11.1	98
78	Supramolecular hydrogen-bonded liquid-crystalline polymer complexes. Design of side-chain polymers and a host-guest system by noncovalent interaction. <i>Journal of Polymer Science Part A</i> , 1996, 34, 57-62.	2.5	97
79	3D Continuous Water Nanosheet as a Gyroid Minimal Surface Formed by Bicontinuous Cubic Liquid-Crystalline Zwitterions. <i>Journal of the American Chemical Society</i> , 2012, 134, 11354-11357.	6.6	96
80	Self-Assembly of Folic Acid Derivatives: Induction of Supramolecular Chirality by Hierarchical Chiral Structures. <i>Chemistry - A European Journal</i> , 2004, 10, 5942-5951.	1.7	95
81	A new urea gelator: incorporation of intra- and intermolecular hydrogen bonding for stable 1D self-assembly. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3464.	1.5	94
82	A Liquid-Crystalline [2]Catenane and Its Copper(I) Complex. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4680-4683.	7.2	93
83	Hydrogen-bonded liquid crystals built from hydrogen-bonding donors and acceptors Infrared study on the stability of the hydrogen bond between carboxylic acid and pyridyl moieties. <i>Liquid Crystals</i> , 2006, 33, 1429-1437.	0.9	92
84	A Planarized Triphenylborane Mesogen: Discotic Liquid Crystals with Ambipolar Charge-Carrier Transport Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6922-6925.	7.2	91
85	Layered Thin-Film Composite Consisting of Polymers and Calcium Carbonate: A Novel Organic/Inorganic Material with an Organized Structure. <i>Chemistry Letters</i> , 2000, 29, 186-187.	0.7	90
86	Macroscopically Ordered Polymer/CaCO ₃ Hybrids Prepared by Using a Liquid-Crystalline Template. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2800-2803.	7.2	89
87	The positive effect on hole transport behaviour in anisotropic gels consisting of discotic liquid crystals and hydrogen-bonded fibres Electronic supplementary information (ESI) available: transient photocurrents for 1, 1/2 and 1/3. See http://www.rsc.org/suppdata/cc/b1/b111380c/ . <i>Chemical Communications</i> , 2002, 428-429.	2.2	88
88	Electron Transport and Electrochemistry of Mesomorphic Fullerenes with Long-Range Ordered Lamellae. <i>Journal of the American Chemical Society</i> , 2008, 130, 9236-9237.	6.6	88
89	Hydrogen-Bonded Liquid Crystals. A Novel Mesogen Incorporating Nonmesogenic 4,4'-Bipyridine through Selective Recognition between Hydrogen Bonding Donor and Acceptor. <i>Chemistry Letters</i> , 1990, 19, 2003-2006.	0.7	86
90	Electric-Field-Responsive Lithium-Ion Conductors of Propylenecarbonate-Based Columnar Liquid Crystals. <i>Advanced Materials</i> , 2009, 21, 1591-1594.	11.1	85

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91	Use of Amorphous Calcium Carbonate for the Design of New Materials. <i>ChemPlusChem</i> , 2017, 82, 107-120.	1.3	85
92	Self-Assembly of a Twin Liquid Crystalline Complex through Intermolecular Hydrogen Bondings. <i>Chemistry Letters</i> , 1990, 19, 919-922.	0.7	84
93	A redox-switchable [2]rotaxane in a liquid-crystalline state. <i>Chemical Communications</i> , 2010, 46, 1224.	2.2	84
94	Viologen-Based Redox-Active Ionic Liquid Crystals Forming Columnar Phases. <i>Organic Letters</i> , 2007, 9, 4271-4274.	2.4	83
95	Supramolecular liquid-crystalline materials: molecular self-assembly and self-organization through intermolecular hydrogen bonding. <i>Supramolecular Science</i> , 1996, 3, 53-59.	0.7	82
96	Mechanochromic luminescent liquid crystals based on a bianthryl moiety. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2648.	2.7	82
97	Functional liquid-crystalline polymers and supramolecular liquid crystals. <i>Polymer Journal</i> , 2018, 50, 149-166.	1.3	82
98	Use of Intermolecular Hydrogen Bonding between Imidazolyl Moieties and Carboxylic Acids for the Supramolecular Self-Association of Liquid-Crystalline Side-Chain Polymers and Networks. <i>Macromolecules</i> , 1998, 31, 4475-4479.	2.2	81
99	Anisotropic Proton-Conductive Materials Formed by the Self-Organization of Phosphonium-Type Zwitterions. <i>Advanced Materials</i> , 2011, 23, 3071-3074.	11.1	81
100	Self-Assembly of Giant Spherical Liquid-Crystalline Complexes and Formation of Nanostructured Dynamic Gels that Exhibit Self-Healing Properties. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14085-14089.	7.2	81
101	Enhanced Hole-Transporting Behavior of Discotic Liquid-Crystalline Physical Gels. <i>Advanced Functional Materials</i> , 2008, 18, 1668-1675.	7.8	78
102	Hydrogen-bonded ferroelectric liquid-crystalline complexes based on a chiral benzoic acid and stilbazoles. induction of chiral smectic C phases by molecular self-assembly. <i>Ferroelectrics</i> , 1993, 148, 161-167.	0.3	76
103	Columnar liquid crystalline π -conjugated oligothiophenes. <i>Chemical Communications</i> , 2006, , 3399-3401.	2.2	76
104	A Water-Soluble Mechanochromic Luminescent Pyrene Derivative Exhibiting Recovery of the Initial Photoluminescence Color in a High-Humidity Environment. <i>Advanced Functional Materials</i> , 2013, 23, 5277-5284.	7.8	76
105	A rodlike organogelator: fibrous aggregation of azobenzene derivatives with a syn-chiral carbonate moiety Electronic supplementary information (ESI) available: synthetic scheme for (R,R)-2; FT-IR and SAXS measurements of (R,R)-(+)-1. See http://www.rsc.org/suppdata/cc/b2/b205072b/ . <i>Chemical Communications</i> , 2002, , 1870-1871.	2.2	75
106	Covalent Attachment of Mechanoresponsive Luminescent Micelles to Glasses and Polymers in Aqueous Conditions. <i>Journal of the American Chemical Society</i> , 2014, 136, 4273-4280.	6.6	74
107	Stimuli-responsive hydroxyapatite liquid crystal with macroscopically controllable ordering and magneto-optical functions. <i>Nature Communications</i> , 2018, 9, 568.	5.8	74
108	Development of Nanostructured Water Treatment Membranes Based on Thermotropic Liquid Crystals: Molecular Design of Sub-Nanoporous Materials. <i>Advanced Science</i> , 2018, 5, 1700405.	5.6	73

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109	Functional Liquid-Crystalline Polymers for Ionic and Electronic Conduction. , 2007, , 151-179.		72
110	Zwitterionic liquid crystals as 1D and 3D lithium ion transport media. Journal of Materials Chemistry A, 2015, 3, 11232-11238.	5.2	71
111	Electrooptical properties of liquid-crystalline physical gels: a new oligo(amino acid) gelator for light scattering display materials. Journal of Materials Chemistry, 2002, 12, 2197-2201.	6.7	70
112	Bioinspired stiff and flexible composites of nanocellulose-reinforced amorphous CaCO ₃ . Materials Horizons, 2014, 1, 321.	6.4	70
113	Liquid-Crystalline Dye-Sensitized Solar Cells: Design of Two-Dimensional Molecular Assemblies for Efficient Ion Transport and Thermal Stability. Chemistry of Materials, 2016, 28, 6493-6500.	3.2	70
114	Supramolecular ferroelectric liquid crystals. Hydrogen-bonded complexes between benzoic acids and chiral stilbazoles. Liquid Crystals, 1996, 21, 25-30.	0.9	69
115	Anisotropic Self-Aggregation of an Anthracene Derivative: Formation of Liquid-Crystalline Physical Gels in Oriented States. Langmuir, 2002, 18, 7086-7088.	1.6	69
116	Formation of Helically Structured Chitin/CaCO ₃ Hybrids through an Approach Inspired by the Biomineralization Processes of Crustacean Cuticles. Small, 2015, 11, 5127-5133.	5.2	69
117	Smectic liquid-crystalline physical gels. Anisotropic self-aggregation of hydrogen-bonded molecules in layered structures. Chemical Communications, 1999, , 781-782.	2.2	68
118	Liquid-Crystalline Assemblies Containing Ionic Liquids: An Approach to Anisotropic Ionic Materials. Chemistry Letters, 2002, 31, 320-321.	0.7	68
119	Homeotropically oriented nematic physical gels for electrooptical materials. Journal of Materials Chemistry, 2003, 13, 2870.	6.7	68
120	Nanostructured Two-Component Liquid-Crystalline Electrolytes for High-Temperature Dye-Sensitized Solar Cells. Chemistry of Materials, 2014, 26, 6496-6502.	3.2	68
121	Ionic Switch Induced by a Rectangular to Hexagonal Phase Transition in Benzenammonium Columnar Liquid Crystals. Journal of the American Chemical Society, 2015, 137, 13212-13215.	6.6	68
122	Selective ring-opening polymerization of di-O-methylated and di-O-benzylated 1,4-anhydro- α -D-ribofuranoses and structure proof of synthetic cellulose-type polysaccharide (1) Tj ETQqO 0 0 rgBT /Overlock 10 Tt Chemical Society, 1983, 105, 6865-6871.	6.8	67
123	Self-Assembly of Liquid-Crystalline Polyamide Complexes through the Formation of Double Hydrogen Bonds between a 2,6-Bis(amino)pyridine Moiety and Benzoic Acids. Macromolecules, 1998, 31, 3551-3555.	2.2	67
124	Electric Field-Assisted Alignment of Self-Assembled Fibers Composed of Hydrogen-Bonded Molecules Having Laterally Fluorinated Mesogens. Journal of the American Chemical Society, 2009, 131, 6763-6767.	6.6	67
125	Gelation of Liquid Crystals with Self-Assembled Fibers. Topics in Current Chemistry, 2005, 256, 219-236.	4.0	65
126	Anisotropic ion conduction in a unique smectic phase of self-assembled amphiphilic ionic liquids. Chemical Communications, 2005, , 1333.	2.2	64

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127	<i>m</i> – <i>n</i> Stacks of Discrete Aromatic Stacks in Solution. <i>Journal of the American Chemical Society</i> , 2010, 132, 9555-9557.	6.6	63
128	Mechanoresponsive liquid crystals exhibiting reversible luminescent color changes at ambient temperature. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2752-2760.	2.7	62
129	Effect of Methyl Groups onto Imidazolium Cation Ring on Liquid Crystallinity and Ionic Conductivity of Amphiphilic Ionic Liquids. <i>Chemistry Letters</i> , 2004, 33, 1630-1631.	0.7	60
130	Bistable Nematic Liquid Crystals with Self-Assembled Fibers. <i>Advanced Materials</i> , 2005, 17, 692-696.	11.1	60
131	Supramolecular Association and Nanostructure Formation of Liquid Crystals and Polymers for New Functional Materials. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 357-376.	2.0	60
132	Three-Dimensional Relief Structures of CaCO ₃ Crystal Assemblies Formed by Spontaneous Two-Step Crystal Growth on a Polymer Thin Film. <i>Crystal Growth and Design</i> , 2009, 9, 622-625.	1.4	57
133	CaCO ₃ /chitin-whisker hybrids: formation of CaCO ₃ crystals in chitin-based liquid-crystalline suspension. <i>Polymer Journal</i> , 2010, 42, 583-586.	1.3	57
134	Anisotropic Self-Assembly of Photoluminescent Oligo(<i>p</i> -Phenylenevinylene) Derivatives in Liquid Crystals: An Effective Strategy for the Macroscopic Alignment of <i>π</i> -Gels. <i>Advanced Materials</i> , 2009, 21, 4029-4033.	11.1	56
135	The Simplest Structure of the Hydrogen-Bonded Mesogen Built from 4-Alkoxybenzoic Acid and 4-Alkylpyridine. <i>Chemistry Letters</i> , 1993, 22, 65-68.	0.7	54
136	Liquid-Crystalline Complexes of a Lithium Salt with Twin Oligomers Containing Oxyethylene Spacers. An Approach to Anisotropic Ion Conduction. <i>Polymer Journal</i> , 1999, 31, 1155-1158.	1.3	54
137	Thermotropic liquid-crystalline folic acid derivatives: supramolecular discotic and smectic aggregation. <i>Chemical Communications</i> , 2000, , 1899-1900.	2.2	54
138	Electro- and Photoactive Molecular Assemblies of Liquid Crystals and Physical Gels. <i>Chemistry Letters</i> , 2009, 38, 634-639.	0.7	54
139	Induction of a cholesteric phase via self-assembly in supramolecular networks built of non-mesomorphic molecular components. <i>Liquid Crystals</i> , 1998, 24, 413-418.	0.9	53
140	Liquid-Crystalline Physical Gels: Self-Aggregation of a Gluconamide Derivative in Mesogenic Molecules for the Formation of Anisotropic Functional Composites. <i>Chemistry of Materials</i> , 2000, 12, 440-443.	3.2	53
141	Self-assembly and phase segregation in functional liquid crystals. <i>Current Opinion in Solid State and Materials Science</i> , 2002, 6, 579-587.	5.6	52
142	One-Dimensional Chiral Self-Assembly of Pyrene Derivatives Based on Dendritic Oligopeptides. <i>Organic Letters</i> , 2006, 8, 2463-2466.	2.4	52
143	Ionic Liquid Crystals: Self-assembly of Imidazolium Salts Containing an <i>l</i> -Glutamic Acid Moiety. <i>Chemistry Letters</i> , 2008, 37, 538-539.	0.7	52
144	A thermoresponsive photoluminescent smectic liquid crystal: change of photoluminescent color on the smectic–smectic phase transition. <i>Chemical Communications</i> , 2009, , 3597.	2.2	52

#	ARTICLE	IF	CITATIONS
145	Ion conductive behaviour in a confined nanostructure: NMR observation of self-diffusion in a liquid-crystalline bicontinuous cubic phase. <i>Chemical Communications</i> , 2010, 46, 728-730.	2.2	52
146	Synthesis and the Smectic Mesophase of Copolymers Containing a Mesogenic (Carbazolylmethylene)aniline Group as the Electron Donor and a (4'-Nitrobenzylidene)aniline Group as the Electron Acceptor. <i>Macromolecules</i> , 1994, 27, 2658-2663.	2.2	51
147	Development of Glassy Bicontinuous Cubic Liquid Crystals for Solid Proton-Conductive Materials. <i>Advanced Materials</i> , 2017, 29, 1604429.	11.1	51
148	Thermoreversible Self-Organized Gels of a Liquid Crystal Formed by Aggregation of trans-1,2-Bis(acylamino)cyclohexane Containing a Mesogenic Moiety. <i>Chemistry Letters</i> , 1998, 27, 193-194.	0.7	50
149	Dimension control of ionic liquids. <i>Chemical Communications</i> , 2019, 55, 8205-8214.	2.2	50
150	Doubly Hydrogen-Bonded Liquid-Crystalline Complexes Obtained by Supramolecular Self-Assembly of 2,6-Diacylaminopyridines and 4-Alkoxybenzoic Acids. <i>Chemistry Letters</i> , 1995, 24, 1127-1128.	0.7	48
151	Hydrogen-bonded liquid-crystalline polymer blends formed from a thermotropic polyester containing a lateral pyridyl group and poly(4-vinylphenol). <i>Journal of Polymer Science Part A</i> , 1996, 34, 503-505.	2.5	48
152	Self-Assembly of a Mesogenic Polyamide: Induction and Significant Stabilization of a Liquid-Crystalline Phase through Complexation of a Phenylbenzoic Acid with a Polymer Backbone Derived from 2,6-Bis(amino)pyridine Units. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1617-1618.	4.4	48
153	A New Approach to Organic/Inorganic Composites. Thin Film Coating of CaCO ₃ on a Chitin Fiber in the Presence of Acid-Rich Macromolecules. <i>Chemistry Letters</i> , 1999, 28, 199-200.	0.7	48
154	Assembled structures of nanocrystals in polymer/calcium carbonate thin-film composites formed by the cooperation of chitosan and poly(aspartate). <i>Journal of Polymer Science Part A</i> , 2006, 44, 5153-5160.	2.5	48
155	Effects of Peptides on CaCO ₃ Crystallization: Mineralization Properties of an Acidic Peptide Isolated from Exoskeleton of Crayfish and Its Derivatives. <i>Crystal Growth and Design</i> , 2008, 8, 4062-4065.	1.4	48
156	Co-organisation of ionic liquids with amphiphilic diethanolamines: construction of 3D continuous ionic nanochannels through the induction of liquid-crystalline bicontinuous cubic phases. <i>Chemical Science</i> , 2012, 3, 2001.	3.7	47
157	Liquid-Crystalline Ion-Conductive Materials: Self-Organization Behavior and Ion-Transporting Properties of Mesogenic Dimers Containing Oxyethylene Moieties Complexed with Metal Salts. <i>Macromolecules</i> , 2000, 33, 8109-8111.	2.2	46
158	SELF-ASSEMBLY OF AN IONIC LIQUID AND A HYDROXYL-TERMINATED LIQUID CRYSTAL: ANISOTROPIC ION CONDUCTION IN LAYERED NANOSTRUCTURES. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 413, 99-108.	0.4	46
159	Self-assembly of carbazole-containing gelators: alignment of the chromophore in fibrous aggregates. <i>Tetrahedron</i> , 2007, 63, 7358-7365.	1.0	46
160	Aragonite Nanorods in Calcium Carbonate/Polymer Hybrids Formed through Self-Organization Processes from Amorphous Calcium Carbonate Solution. <i>Small</i> , 2014, 10, 1634-1641.	5.2	46
161	Highly Efficient Virus Rejection with Self-Organized Membranes Based on a Crosslinked Bicontinuous Cubic Liquid Crystal. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700252.	3.9	46
162	Helicity induction on a poly(phenylacetylene) bearing a phosphonate residue by chiral dendrons. <i>Journal of Polymer Science Part A</i> , 2004, 42, 4580-4586.	2.5	44

#	ARTICLE	IF	CITATIONS
163	Truxene-Based Columnar Liquid Crystals: Self-Assembled Structures and Electro-Active Properties. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1619-1625.	1.7	43
164	2D assemblies of ionic liquid crystals based on imidazolium moieties: formation of ion-conductive layers. <i>New Journal of Chemistry</i> , 2015, 39, 4471-4477.	1.4	43
165	Columnar liquid-crystalline assemblies of X-shaped pyrene-oligothiophene conjugates: photoconductivities and mechanochromic functions. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5073-5080.	2.7	42
166	Effect of the Molecular Orientation on the Stability of Hydrogen-Bonded Benzoic Acid Dimers. Infrared Study of Liquid-Crystalline 4-Alkylbenzoic Acids. <i>Bulletin of the Chemical Society of Japan</i> , 1993, 66, 3581-3584.	2.0	41
167	Ultrafast isomerization-induced cooperative motions to higher molecular orientation in smectic liquid-crystalline azobenzene molecules. <i>Nature Communications</i> , 2019, 10, 4159.	5.8	41
168	Stabilization of a liquid-crystalline phase through noncovalent interaction with a polymer side chain [Erratum to document cited in CA111(16):135185v]. <i>Macromolecules</i> , 1990, 23, 360-360.	2.2	40
169	Aufbau eines flüssigkristallinen Polymernetzwerks durch Selbstorganisation über intermolekulare Wasserstoffbrückenbindungen. <i>Angewandte Chemie</i> , 1994, 106, 1728-1730.	1.6	40
170	Reversible On-Off Photoswitching of Hydrogen Bonding for Self-Assembled Fibers Comprising Physical Gels. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 962-964.	2.0	40
171	Selective synthesis and thin-film formation of γ -cobalt hydroxide through an approach inspired by biomineralization. <i>Journal of Materials Chemistry</i> , 2008, 18, 4140.	6.7	40
172	High Hole Mobility for a Side-Chain Liquid-Crystalline Smectic Polysiloxane Exhibiting a Nanosegregated Structure with a Terthiophene Moiety. <i>Chemistry - A European Journal</i> , 2010, 16, 13465-13472.	1.7	40
173	Stimuli-Responsive Photoluminescent Liquid Crystals. <i>Topics in Current Chemistry</i> , 2011, 318, 395-405.	4.0	39
174	On the mesomorphism of hydrogen bonded complexes formed between decyloxystilbazole and phthalic acid. <i>Liquid Crystals</i> , 1996, 21, 585-587.	0.9	38
175	Liquid-Crystal Composites Composed of Photopolymerized Self-Assembled Fibers and Aligned Smectic Molecules. <i>Advanced Functional Materials</i> , 2006, 16, 2218-2224.	7.8	38
176	Calcium Carbonate/Polymer Thin-Film Hybrids: Induction of the Formation of Patterned Aragonite Crystals by Thermal Treatment of a Polymer Matrix. <i>Polymer Journal</i> , 2009, 41, 522-523.	1.3	38
177	Designer lyotropic liquid-crystalline systems containing amino acid ionic liquids as self-organisation media of amphiphiles. <i>Chemical Communications</i> , 2013, 49, 11746.	2.2	38
178	Effects of Magnesium Ions and Water Molecules on the Structure of Amorphous Calcium Carbonate: A Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14849-14856.	1.2	38
179	Uniaxially Parallel Alignment of a Smectic A Liquid-Crystalline Rod-Coil Molecule and Its Lithium Salt Complexes Using Rubbed Polyimides. <i>Macromolecules</i> , 2007, 40, 4874-4878.	2.2	37
180	Self-Assembly of Bioconjugated Amphiphilic Mesogens Having Specific Binding Moieties at Aqueous-Liquid Crystal Interfaces. <i>Chemistry of Materials</i> , 2016, 28, 1170-1178.	3.2	37

#	ARTICLE	IF	CITATIONS
181	Synthesis and liquid-crystalline properties of thermotropic polyurethanes prepared from 1,4-diisocyanates and 4,4'-bis(.omega.-hydroxyalkoxy)biphenyls. <i>Macromolecules</i> , 1993, 26, 4989-4994.	2.2	36
182	Liquid-crystalline calcium carbonate: biomimetic synthesis and alignment of nanorod calcite. <i>Chemical Science</i> , 2015, 6, 6230-6234.	3.7	36
183	A columnar liquid crystal based on triphenylphosphine oxide's structural changes upon interaction with alkaline metal cations. <i>Chemical Communications</i> , 2006, , 1277.	2.2	35
184	Tuning the Stability of CaCO ₃ Crystals with Magnesium Ions for the Formation of Aragonite Thin Films on Organic Polymer Templates. <i>Chemistry - an Asian Journal</i> , 2013, 8, 3002-3009.	1.7	35
185	Alignment of photoconductive self-assembled fibers composed of π -conjugated molecules under electric fields. <i>Journal of Materials Chemistry</i> , 2010, 20, 173-179.	6.7	34
186	Polymerizable Photocleavable Columnar Liquid Crystals for Nanoporous Water Treatment Membranes. <i>ACS Macro Letters</i> , 2019, 8, 1303-1308.	2.3	34
187	Liquid-Crystalline Hydroxyapatite/Polymer Nanorod Hybrids: Potential Bioplatfrom for Photodynamic Therapy and Cellular Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17759-17765.	4.0	34
188	Hydrogen-Bonded Lyotropic Liquid Crystals of Folic Acids: Responses to Environment by Exhibiting Different Complex Patterns. <i>Chemistry Letters</i> , 2001, 30, 480-481.	0.7	33
189	Photopatterning of Discotic Liquid-Crystalline Gels. <i>Polymer Journal</i> , 2004, 36, 661-664.	1.3	33
190	Dipole-driven self-assembly of redox-active mesogenic tetracyanoanthraquinodimethanes. <i>Journal of Materials Chemistry</i> , 2008, 18, 4522.	6.7	33
191	Nanostructured columnar and cubic liquid-crystalline assemblies consisting of unconventional rigid mesogens based on triphenylmethanes. <i>Tetrahedron</i> , 2008, 64, 8368-8380.	1.0	32
192	Luminescent Ionic Liquid Crystals Based on Tripodal Pyridinium Salts. <i>Chemistry Letters</i> , 2008, 37, 1208-1209.	0.7	32
193	Supramolecular approach to the formation of magneto-active physical gels. <i>Chemical Science</i> , 2012, 3, 3007.	3.7	32
194	Thermal or Mechanical Stimuli-Induced Photoluminescence Color Change of a Molecular Assembly Composed of an Amphiphilic Anthracene Derivative in Water. <i>Chemistry - A European Journal</i> , 2014, 20, 10397-10403.	1.7	32
195	Nanostructured Virus Filtration Membranes Based on Two-Component Columnar Liquid Crystals. <i>ACS Macro Letters</i> , 2019, 8, 24-30.	2.3	32
196	A columnar liquid-crystalline shape-persistent macrocycle having a nanosegregated structure. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3205.	1.5	31
197	Design of Biomolecular Interfaces Using Liquid Crystals Containing Oligomeric Ethylene Glycol. <i>Advanced Functional Materials</i> , 2010, 20, 2098-2106.	7.8	31
198	Bisphenylsulfone-based molecular assemblies: polar columnar liquid crystals aligned in electric fields and fibrous aggregates in organic solvents. <i>New Journal of Chemistry</i> , 2013, 37, 143-147.	1.4	31

#	ARTICLE	IF	CITATIONS
199	Von funktionellen Flüssigkristallen zur nächsten Generation von Materialien. <i>Angewandte Chemie</i> , 2018, 130, 4438-4455.	1.6	31
200	Phase behavior of liquid-crystalline copolymer/liquid crystal blends. <i>Polymer</i> , 2001, 42, 1177-1182.	1.8	30
201	Thermotropic liquid-crystalline peptide derivatives: oligo(glutamic acid)s forming hydrogen-bonded columns. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 875-880.	1.5	30
202	Oligothiophene-based Liquid Crystals Exhibiting Smectic A Phases in Wider Temperature Ranges. <i>Chemistry Letters</i> , 2006, 35, 1150-1151.	0.7	30
203	Molecular insights on confined water in the nanochannels of self-assembled ionic liquid crystal. <i>Science Advances</i> , 2021, 7, .	4.7	30
204	Solid-state CP/MAS carbon-13 NMR study of thermotropic aromatic polyester containing a flexible spacer in the main chain. <i>Macromolecules</i> , 1988, 21, 378-384.	2.2	29
205	Noncovalent Approach to Liquid-Crystalline Ion Conductors: High-Rate Performances and Room-Temperature Operation for Li-Ion Batteries. <i>ACS Omega</i> , 2018, 3, 159-166.	1.6	29
206	Nanostructured liquid-crystalline Li-ion conductors with high oxidation resistance: molecular design strategy towards safe and high-voltage-operation Li-ion batteries. <i>Chemical Science</i> , 2020, 11, 10631-10637.	3.7	29
207	Thermotropic Polyurethanes Prepared from 2,5-Tolylene Diisocyanates and 1,4-Bis(ω -hydroxyalkoxy)benzenes Containing No Mesogenic Unit. <i>Macromolecules</i> , 1995, 28, 2165-2171.	2.2	28
208	Steric effects on excimer formation for photoluminescent smectic liquid-crystalline materials. <i>Chemical Communications</i> , 2013, 49, 3839.	2.2	28
209	Guanine-oligothiophene conjugates: liquid-crystalline properties, photoconductivities and ion-responsive emission of their nanoscale assemblies. <i>Chemical Science</i> , 2018, 9, 576-585.	3.7	28
210	Selective lithium ion recognition in self-assembled columnar liquid crystals based on a lithium receptor. <i>Chemical Science</i> , 2018, 9, 608-616.	3.7	28
211	Response of a Hydrogen-Bonded Liquid Crystal to an Applied Electric Field Accelerated by a Poly(β -benzyl-glutamate) Chemical Reaction Alignment Film. <i>Langmuir</i> , 1997, 13, 576-580.	1.6	27
212	Ion-conductive liquid crystals: Formation of stable smectic semi-bilayers by the introduction of perfluoroalkyl moieties. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 1547-1555.	1.1	27
213	Novel thermotropic gels composed of only ions. <i>Chemical Communications</i> , 2009, , 2405.	2.2	27
214	Self-healing and shape memory functions exhibited by supramolecular liquid-crystalline networks formed by combination of hydrogen bonding interactions and coordination bonding. <i>Chemical Science</i> , 2021, 12, 6091-6098.	3.7	27
215	Calcium carbonate/polymer composites: polymorph control for aragonite. <i>Composite Interfaces</i> , 2004, 11, 287-295.	1.3	26
216	Spiropyran-based liquid crystals: the formation of columnar phases via acid-induced spiro-merocyanine isomerisation. <i>Chemical Communications</i> , 2006, , 4703-4705.	2.2	26

#	ARTICLE	IF	CITATIONS
217	Self-organization of Patterned CaCO ₃ /Polymer Composite Films: Tuning of Their Morphologies by the Change of Molecular Weights of Acidic Polymers. <i>Chemistry Letters</i> , 2006, 35, 310-311.	0.7	26
218	Europium(iii)-doped liquid-crystalline physical gels. <i>Journal of Materials Chemistry</i> , 2010, 20, 8571.	6.7	26
219	Crystallization of unidirectionally oriented fibrous calcium carbonate on thermo-responsive polymer brush matrices. <i>CrystEngComm</i> , 2010, 12, 2021.	1.3	26
220	Photoimaging of Self-Organized CaCO ₃ /Polymer Hybrid Films by Formation of Regular Relief and Flat Surface Morphologies. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5856-5859.	7.2	26
221	Ion Selectivity of Water Molecules in Subnanoporous Liquid-Crystalline Water Treatment Membranes: A Structural Study of Hydrogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23461-23465.	7.2	26
222	Thermotropic liquid crystalline ionic stilbazoles and their miscible mixtures with non-ionic carbazolyl compounds. <i>Liquid Crystals</i> , 1995, 18, 693-698.	0.9	25
223	Nematic liquid-crystalline physical gels exhibiting faster responses to electric fields in twisted nematic cells. <i>Displays</i> , 2001, 22, 33-37.	2.0	25
224	Hydroxyapatite formation on oxidized cellulose nanofibers in a solution mimicking body fluid. <i>Polymer Journal</i> , 2015, 47, 158-163.	1.3	25
225	Self-Assembly of Giant Spherical Liquid-Crystalline Complexes and Formation of Nanostructured Dynamic Gels that Exhibit Self-Healing Properties. <i>Angewandte Chemie</i> , 2017, 129, 14273-14277.	1.6	25
226	Alkyl-Substituted Selenium-Bridged V-Shaped Organic Semiconductors Exhibiting High Hole Mobility and Unusual Aggregation Behavior. <i>Journal of the American Chemical Society</i> , 2020, 142, 14974-14984.	6.6	25
227	A mechanical and thermal responsive luminescent liquid crystal forming a colourless film under room light. <i>Supramolecular Chemistry</i> , 2011, 23, 310-314.	1.5	24
228	Electron Correlation Effects and Possible Structures in Large Cyclic Polyenes. <i>The Journal of Physical Chemistry</i> , 1996, 100, 5697-5701.	2.9	23
229	Induction of mesophases through the complexation between benzoic acids with lateral groups and polyamides containing a 2,6-diaminopyridine moiety. <i>Liquid Crystals</i> , 2000, 27, 69-74.	0.9	23
230	In situ investigations on the preparations of layer-by-layer films containing azobenzene and applications for LC display devices. <i>Materials Science and Engineering C</i> , 2002, 22, 319-325.	3.8	23
231	Ionic Diffusion and Salt Dissociation Conditions of Lithium Liquid Crystal Electrolytes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11563-11571.	1.2	23
232	Supramolecular Chiral Cubic Phases Formed by Folic Acid Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 435, 95/[755]-105/[765].	0.4	23
233	Hole Transport of a Liquid-crystalline Phenylterthiophene Derivative Exhibiting the Nematic Phase at Ambient Temperature. <i>Chemistry Letters</i> , 2011, 40, 412-413.	0.7	22
234	Nano-biphasic ionic liquid systems composed of hydrophobic phosphonium salts and a hydrophilic ammonium salt. <i>Chemical Communications</i> , 2012, 48, 5271.	2.2	22

#	ARTICLE	IF	CITATIONS
235	CaCO ₃ /Chitin hybrids: recombinant acidic peptides based on a peptide extracted from the exoskeleton of a crayfish controls the structures of the hybrids. <i>Faraday Discussions</i> , 2012, 159, 483.	1.6	22
236	Liquid-crystalline gels exhibiting electrooptical light scattering properties: fibrous polymerized network of a lysine-based gelator having acrylate moieties. <i>Polymer Journal</i> , 2012, 44, 594-599.	1.3	22
237	A Comprehensive Study on Lyotropic Liquidâ€“Crystalline Behavior of an Amphiphile in 20 Kinds of Amino Acid Ionic Liquids. <i>Chemistry - an Asian Journal</i> , 2016, 11, 520-526.	1.7	22
238	High Virus Removal by Selfâ€“Organized Nanostructured 2D Liquidâ€“Crystalline Smectic Membranes for Water Treatment. <i>Small</i> , 2020, 16, e2001721.	5.2	22
239	Gemini Thermotropic Smectic Liquid Crystals for Two-Dimensional Nanostructured Water-Treatment Membranes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20598-20605.	4.0	22
240	Synthesis and Liquid Crystalline Behavior of Stereoregular Polyketones with Mesogenic Side Chains. <i>Macromolecules</i> , 2002, 35, 1140-1142.	2.2	21
241	Induction of Columnar and Smectic Phases for Spiropyran Derivatives: Effects of Acidichromism and Photochromism. <i>Chemistry - an Asian Journal</i> , 2008, 3, 534-541.	1.7	21
242	Use of a protic salt for the formation of liquid-crystalline proton-conductive complexes with mesomorphic diols. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22656-22662.	5.2	21
243	Rapid and topotactic transformation from octacalcium phosphate to hydroxyapatite (HAP): a new approach to self-organization of free-standing thin-film HAP-based nanohybrids. <i>CrystEngComm</i> , 2016, 18, 8388-8395.	1.3	21
244	Bioinspired Environmentally Friendly Amorphous CaCO ₃ -Based Transparent Composites Comprising Cellulose Nanofibers. <i>ACS Omega</i> , 2018, 3, 12722-12729.	1.6	21
245	Columnar nanostructured polymer films containing ionic liquids in supramolecular oneâ€“dimensional nanochannels. <i>Journal of Polymer Science Part A</i> , 2015, 53, 366-371.	2.5	20
246	Solid-state CP/MAS ¹³ C-NMR studies of naphthalene-based thermotropic polyesters and model compounds. <i>Journal of Polymer Science Part A</i> , 1989, 27, 1447-1465.	2.5	19
247	Self-organization of Protonated 2-heptadecylimidazole as an Effective Ion Conductive Matrix. <i>Electrochemistry</i> , 2005, 73, 623-626.	0.6	19
248	Liquidâ€“Crystalline Catenanes and Rotaxanes. <i>Israel Journal of Chemistry</i> , 2012, 52, 854-862.	1.0	19
249	Morphology tuning in the formation of vaterite crystal thin films with thermoresponsive poly(N-isopropylacrylamide) brush matrices. <i>CrystEngComm</i> , 2014, 16, 3540-3547.	1.3	19
250	Construction of gyroid-structured matrices through the design of geminized amphiphilic zwitterions and their self-organization. <i>Chemical Communications</i> , 2016, 52, 12167-12170.	2.2	19
251	Tuning of luminescence color of Î€-conjugated liquid crystals through co-assembly with ionic liquids. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9972-9978.	2.7	19
252	Gelation of an amino acid ionic liquid by the addition of a phosphonium-type zwitterion. <i>Chemical Communications</i> , 2011, 47, 11342.	2.2	18

#	ARTICLE	IF	CITATIONS
253	Studies of Japanese lacquer: Urushiol dimerization by the coupling reaction between urushiol quinone and a triolefinic component of urushiol. <i>Journal of Polymer Science Part A-1, Polymer Chemistry</i> , 1969, 7, 1455-1465.	0.7	17
254	Molecular Self-Organization of Liquid Crystals through the Formation of Hydrogen-Bonded Networks among a Mesogenic Diol and Imidazoles. <i>Chemistry Letters</i> , 1997, 26, 211-212.	0.7	17
255	Self-assembled N-Alkylimidazolium Perfluorooctanesulfonates. <i>Chemistry Letters</i> , 2005, 34, 442-443.	0.7	17
256	Self-Assembled Fibers Photopolymerized in Nematic Liquid Crystals: Stable Electrooptical Switching in Light-Scattering Mode. <i>Langmuir</i> , 2009, 25, 8423-8427.	1.6	17
257	Design of Amphiphilic Zwitterions Forming Liquid-Crystalline Phases and Effects of Lithium Salt Addition on Their Phase Behavior. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 792-796.	2.0	17
258	Induktion von Ferroelektrizität in Polymersystemen durch Wasserstoffbrückenbindungen. <i>Angewandte Chemie</i> , 1992, 104, 1545-1547.	1.6	16
259	Preliminary communication - Miscibility of a hydrogen-bonded mesogenic complex with normal liquid crystals. <i>Liquid Crystals</i> , 1998, 24, 325-327.	0.9	16
260	Self-Organized Ion-Conductive Liquid Crystals: Lithium Salt Complexes of Mesogenic Dimer Molecules Exhibiting Smectic A Phases. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 364, 589-596.	0.3	16
261	Self-Assembled Fibers Containing Stable Organic Radical Moieties: Alignment and Magnetic Properties in Liquid Crystals. <i>Chemistry - A European Journal</i> , 2016, 22, 8872-8878.	1.7	16
262	Induction of bicontinuous cubic liquid-crystalline assemblies for polymerizable amphiphiles via tailor-made design of ionic liquids. <i>Chemical Communications</i> , 2016, 52, 13861-13864.	2.2	16
263	Biomimetic Preparation of Zinc Hydroxide Carbonate/Polymer Hybrids and Their Conversion into Zinc Oxide Thin-Film Photocatalysts. <i>Chemistry - A European Journal</i> , 2016, 22, 7094-7101.	1.7	16
264	Biomolecular Binding at Aqueous Interfaces of Langmuir Monolayers of Bioconjugated Amphiphilic Mesogenic Molecules: A Molecular Dynamics Study. <i>Langmuir</i> , 2020, 36, 12281-12287.	1.6	16
265	Development of functional nanoporous membranes based on photocleavable columnar liquid crystals for selective adsorption of ionic dyes. <i>European Polymer Journal</i> , 2020, 134, 109859.	2.6	16
266	Exploring Structures and Dynamics of Molecular Assemblies: Ultrafast Time-Resolved Electron Diffraction Measurements. <i>Accounts of Chemical Research</i> , 2021, 54, 731-743.	7.6	16
267	Physical Gelation of Nematic Liquid Crystals with Amino Acid Derivatives Leading to the Formation of Soft Solids Responsive to Electric Field. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2000, 13, 307-312.	0.1	15
268	Light Scattering Electrooptic Behavior of Liquid-Crystalline Physical Gels: Effects of Microphase-Separated Morphologies. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 409, 175-181.	0.4	15
269	Preparation of Thin-film Hydroxyapatite/Polymer Hybrids. <i>Chemistry Letters</i> , 2011, 40, 458-460.	0.7	15
270	Aggregation-induced Emission of a Liquid-crystalline Quinolinium Salt Molecule in Aqueous Solution. <i>Chemistry Letters</i> , 2014, 43, 184-186.	0.7	15

#	ARTICLE	IF	CITATIONS
271	Self-Assembled Liquid-Crystalline Ion Conductors in Dye-Sensitized Solar Cells: Effects of Molecular Sensitizers on Their Performance. <i>ChemPlusChem</i> , 2017, 82, 834-840.	1.3	15
272	Studies on Japanese lacquer: Film formation via <i>o</i> -quinone and enzymic oxidation of urushiol homologues catalyzed by laccase. <i>Journal of Polymer Science Part C Polymer Symposia</i> , 1968, 23, 519-531.	0.1	14
273	Thermotropic Liquid-Crystalline Copoly(ester amide) Containing a Flexible Spacer in the Main Chain. <i>Polymer Journal</i> , 1989, 21, 409-416.	1.3	14
274	Dielectric properties of a hydrogen-bonded liquid-crystalline side-chain polymer. <i>Macromolecular Rapid Communications</i> , 1995, 16, 733-739.	2.0	14
275	Induction of the Smectic Phase in the Polymer Complexes between Electron-Accepting Ionic Nitrostilbazoles and Electron-Donating Liquid-Crystalline Polymers. <i>Macromolecules</i> , 1995, 28, 7005-7009.	2.2	14
276	Photoluminescent Liquid Crystals Based on Trithienylphosphine Oxides. <i>Chemistry Letters</i> , 2009, 38, 800-801.	0.7	14
277	Mechanochromic Photoluminescent Liquid Crystals Containing 5,5'-Bis(2-phenylethynyl)-2,2'-bithiophene. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 594, 112-121.	0.4	14
278	An optimal execution problem with market impact. <i>Finance and Stochastics</i> , 2014, 18, 695-732.	0.7	14
279	Measurement of anisotropic ion conduction in liquid crystalline states having polyether segments. <i>Polymers for Advanced Technologies</i> , 2000, 11, 529-533.	1.6	13
280	Liquid Crystalline Ionic Liquids. , 2005, , 307-320.		13
281	Columnar Liquid Crystalline Imidazolium Salts: Self-Organized One-Dimensional Ion Conductors. <i>ACS Symposium Series</i> , 2007, , 161-171.	0.5	13
282	Self-assembly of liquid crystalline triphenylene-oligo(ethylene oxide)-triphenylene molecules and their complexes with lithium triflate. <i>Liquid Crystals</i> , 2007, 34, 107-112.	0.9	13
283	Self-assembly of cyclobis(paraquat-p-phenylene)s. <i>Chemical Communications</i> , 2009, , 1864.	2.2	13
284	Biomimetic approach to the development of hybrid materials: preparation of patterned polymer/strontium carbonate thin films using thermoresponsive polymer brush matrices. <i>Polymer Journal</i> , 2014, 46, 499-504.	1.3	13
285	VWAP execution as an optimal strategy. <i>JSIAM Letters</i> , 2015, 7, 33-36.	0.3	13
286	Design of liquid crystals: from a nematogen to thiophene-based π -conjugated mesogens. <i>Liquid Crystals</i> , 0, , 1-9.	0.9	13
287	Formation of bis-benzimidazole and bis-benzoxazole through organocatalytic depolymerization of poly(ethylene terephthalate) and its mechanism. <i>Polymer Chemistry</i> , 2020, 11, 4904-4913.	1.9	13
288	Methoxy-Functionalized Glycerol-Based Aliphatic Polycarbonate: Organocatalytic Synthesis, Blood Compatibility, and Hydrolytic Property. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 472-481.	2.6	13

#	ARTICLE	IF	CITATIONS
289	Self-Assembly of Peptide-Containing Mesogens: Thermotropic Liquid-Crystalline Properties and Macroscopic Alignment of Amphiphilic Bioconjugates. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1588-1593.	2.0	13
290	Air/Water Interfacial Monolayer Assembly of Peptide-Conjugated Liquid-Crystalline Molecules. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2060-2067.	2.0	13
291	Ion-conductive mechanism in liquid crystalline molecules having polyether segment. <i>Solid State Ionics</i> , 2002, 154-155, 779-787.	1.3	12
292	Liquid-crystalline stereoregular polyketone prepared from a mesogenic vinylarene and carbon monoxide. <i>Journal of Polymer Science Part A</i> , 2003, 41, 3556-3563.	2.5	12
293	1-Alkyl-2,3,5,6,7,8-hexasilabicyclo[2.2.2]octanes: Unconventional Class of Mesomorphic Columnar Compounds. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3055-3058.	7.2	12
294	Ion Channels and Anisotropic Ion Mobility in a Liquid-Crystalline Columnar Phase As Observed by Multinuclear NMR Diffusometry. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15477-15482.	1.2	12
295	Supramolecular effects on formation of CaCO ₃ thin films on a polymer matrix. <i>CrystEngComm</i> , 2014, 16, 1496-1501.	1.3	12
296	Induction of an Infinite Periodic Minimal Surface by Endowing An Amphiphilic Zwitterion with Halogen-Bond Ability. <i>ChemistryOpen</i> , 2016, 5, 439-444.	0.9	12
297	Heterogeneous growth of calcite at aragonite {001}- and vaterite {001}-melt interfaces: A molecular dynamics simulation study. <i>Journal of Crystal Growth</i> , 2016, 450, 148-159.	0.7	12
298	Design of 3D continuous proton conduction pathway by controlling co-organization behavior of gemini amphiphilic zwitterions and acids. <i>Solid State Ionics</i> , 2018, 317, 39-45.	1.3	12
299	Static structure and dynamical behavior of colloidal liquid crystals consisting of hydroxyapatite-based nanorod hybrids. <i>Soft Matter</i> , 2019, 15, 3315-3322.	1.2	12
300	Transport mechanisms of water molecules and ions in sub-nano channels of nanostructured water treatment liquid-crystalline membranes: a molecular dynamics simulation study. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 604-611.	1.2	12
301	Solid-state CP/MAS ¹³ C-NMR analysis of cellulose and tri-O-substituted cellulose ethers. <i>Carbohydrate Polymers</i> , 1993, 21, 277-281.	5.1	11
302	Synthesis and Thermotropic Properties of Polyurethanes Prepared from 2,5-Tolylene Diisocyanate and 2,6-Bis(1-hydroxyalkoxy)naphthalenes. <i>Polymer Journal</i> , 1995, 27, 664-672.	1.3	11
303	Macrocycle-Based Liquid Crystals: A Study of Topological Effects on Mesomorphism. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 509, 165/[907]-172/[914].	0.4	11
304	Design of Dication-Type Amino Acid Ionic Liquids and Their Application to Self-Assembly Media of Amphiphiles. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1-5.	2.0	11
305	Bioinspired selective synthesis of liquid-crystalline nanocomposites: formation of calcium carbonate-based composite nanodisks and nanorods. <i>Nanoscale Advances</i> , 2020, 2, 2326-2332.	2.2	11
306	Shear-induced liquid-crystalline phase transition behaviour of colloidal solutions of hydroxyapatite nanorod composites. <i>Nanoscale</i> , 2020, 12, 11468-11479.	2.8	11

#	ARTICLE	IF	CITATIONS
307	Biomaterial-Inspired Colloidal Liquid Crystals: From Assembly of Hybrids Comprising Inorganic Nanocrystals and Organic Polymer Components to Their Functionalization. <i>Accounts of Chemical Research</i> , 2022, 55, 1796-1808.	7.6	11
308	New metallomesogenic polymers built by self-assembly of non-mesomorphic stilbazole dimers and CF ₃ SO ₃ Ag through coordination bonds. <i>Macromolecular Rapid Communications</i> , 1997, 18, 281-286.	2.0	10
309	Liquid-Crystalline Physical Gels Formed by the Aggregation of Trans-(1R,2R)-Bis(Dodecanoylamino)Cyclohexane in a Thermotropic Nematic Liquid Crystal. Phase Behavior and Electro-Optic Properties. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 332, 377-382.	0.3	10
310	Motif-programmed artificial proteins mediated nucleation of octacalcium phosphate on titanium substrates. <i>Chemical Communications</i> , 2010, 46, 6675.	2.2	10
311	Towards brighter futures for the Polymer Journal and polymer science. <i>Polymer Journal</i> , 2013, 45, 1-1.	1.3	10
312	Liquid-Crystalline Biomacromolecular Templates for the Formation of Oriented Thin-Film Hybrids Composed of Ordered Chitin and Alkaline-Earth Carbonate. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2356-2360.	1.7	10
313	Tuning the <i>c</i> -Axis Orientation of Calcium Phosphate Hybrid Thin Films Using Polymer Templates. <i>Langmuir</i> , 2019, 35, 4077-4084.	1.6	10
314	Synthesis and thermal properties of liquid-crystalline polyacrylates containing a carbazolyl group in the mesogen. <i>Journal of Polymer Science Part A</i> , 1994, 32, 711-719.	2.5	9
315	STN-gels in fast passive matrix displays. <i>Liquid Crystals</i> , 2004, 31, 1649-1653.	0.9	9
316	Redox-active Supramolecular Fibers of a Nitronyl Nitroxide-based Gelator. <i>Chemistry Letters</i> , 2016, 45, 863-865.	0.7	9
317	One-dimensional supramolecular hybrids: self-assembled nanofibrous materials based on a sugar gelator and calcite developed along an unusual axis. <i>CrystEngComm</i> , 2017, 19, 1580-1584.	1.3	9
318	Switching of ionic conductivities in columnar liquid-crystalline anilinium salts: effects of alkyl chains, ammonium cations and counter anions on thermal properties and switching temperatures. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 342-347.	1.7	9
319	Functional Soft Materials: Nanostructured Liquid Crystals and Self-Assembled Fibrous Aggregates. Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2010, 68, 1169-1174.	0.0	9
320	Cooperation of Hydrogen Bonds for Mesophase Stabilization in Supramolecular Assemblies. <i>Chemistry Letters</i> , 1997, 26, 1143-1144.	0.7	8
321	Electro-optic effects and phase behavior of liquid-crystalline physical gels: self-assembly of hydrogen-bonded molecules for the formation of dynamically functional composites. <i>Macromolecular Symposia</i> , 2000, 154, 15-24.	0.4	8
322	Morphological studies of a (self-assembling oil gelator/liquid crystal) composite system. <i>Liquid Crystals</i> , 2002, 29, 1503-1508.	0.9	8
323	Two Dimensionally Ion-Conductive Liquid Crystals of Cholesterol/Tetra(Ethylene Oxide) Block Molecules. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 435, 117/[777]-125/[785].	0.4	8
324	A layered liquid crystalline droplet. <i>Journal of Materials Chemistry</i> , 2009, 19, 3469.	6.7	8

#	ARTICLE	IF	CITATIONS
325	Design and evaluation of nano-biphasic ionic liquid systems having highly polar and low polar domains. RSC Advances, 2013, 3, 23222.	1.7	8
326	Organic/inorganic fusion materials: cyclodextrin-based polymer/CaCO ₃ hybrids incorporating dye molecules through host-guest interactions. Polymer Journal, 2015, 47, 122-127.	1.3	8
327	Self-Assembled Liquid-Crystalline Ion Conductors: Odd-Even Effects of Flexible Spacers Binding a Carbonate Moiety and an Aliphatic Rod-Like Core on Phase Transition Properties and Ion Conductivities. Bulletin of the Chemical Society of Japan, 2019, 92, 1226-1233.	2.0	8
328	Columnar liquid-crystalline assemblies composed of spiropyran derivatives and sulfonic acids. Polymers for Advanced Technologies, 2008, 19, 1362-1368.	1.6	7
329	Nanosegregated composites of an imidazolium salt and a layered inorganic compound: Organization of both anions and cations in interlayer space. Nanoscale, 2010, 2, 2362.	2.8	7
330	Tuning of morphology and polymorphs of carbonate/polymer hybrids using photoreactive polymer templates. CrystEngComm, 2015, 17, 6947-6954.	1.3	7
331	Thermally tunable selective formation of self-assembled fibers into two orthogonal directions in oriented liquid-crystalline smectic templates. Chemical Communications, 2020, 56, 9954-9957.	2.2	7
332	Conformational Effects in High Resolution Solid State CP/MAS ¹³ C NMR Spectra of Thermotropic Ester Compound, 4-(2-Cyanophenyl)-4-n-pentoxybenzoate. Chemistry Letters, 1987, 16, 211-214.	0.7	6
333	IMPROVEMENT OF LIGHT SWITCHING CONTRAST OF LIQUID CRYSTALLINE COMPOSITE GEL BY ADDING POLAR ORGANIC SOLVENT. Molecular Crystals and Liquid Crystals, 2003, 399, 43-52.	0.4	6
334	Polymer Journal for a forum on future polymer science. Polymer Journal, 2016, 48, 1-2.	1.3	6
335	Periodic Surface-Ring Pattern Formation for Hydroxyapatite Thin Films Formed by Biom mineralization-Inspired Processes. Langmuir, 2017, 33, 10077-10083.	1.6	6
336	A new approach to anisotropic conductive networks. Polymer Bulletin, 1997, 38, 551-554.	1.7	5
337	Induzierung und signifikante Stabilisierung einer flüssigkristallinen Phase durch Komplexierung eines Polymergitters, das sich von 2,6-Bis(amino)pyridin ableitet, mit einer Phenylbenzoesäure. Angewandte Chemie, 1997, 109, 1687-1689.	1.6	5
338	Hydrogen-bonded polymer complexes of macrocycles containing a pyridyl moiety and carboxyl-functionalized polystyrenes. Polymer Bulletin, 1999, 42, 497-503.	1.7	5
339	Synthesis and characterization of liquid crystalline polyacrylates and non-liquid crystalline polypyrroles from bifunctional monomers. Journal of Polymer Science Part A, 1999, 37, 3877-3887.	2.5	5
340	Supramolecular Side-Chain Liquid-Crystalline Polymers Formed through Intermolecular Double Hydrogen Bonding.. Kobunshi Ronbunshu, 1999, 56, 410-413.	0.2	5
341	Synthesis and Properties of Optically Active Polycarbonates Having Long Alkyl Chains on the Main Chain Consisting of C ₂ -Chiral Binaphthyl Units.. Kobunshi Ronbunshu, 2002, 59, 778-786.	0.2	5
342	Morphology control of liquid crystalline composite gels based on molecular self-assembling kinetics. Liquid Crystals, 2003, 30, 1423-1431.	0.9	5

#	ARTICLE	IF	CITATIONS
343	Self-Assembly of a Pyridyl Derivative and its Silver Complex: Formation of a Liquid Crystalline Phase and Organogels. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 441, 261-273.	0.4	5
344	Formation of Rectangular Plate-like $\hat{1}\pm$ -MnOOH and Sheet-like $\hat{1}^3$ -MnOOH by Slow Diffusion of Ammonia Vapor. <i>Chemistry Letters</i> , 2013, 42, 341-343.	0.7	5
345	Liquid-crystal-enhanced electrostatic vibration generator. , 2016, , .		5
346	Liquid-crystalline fork-like dendrons. <i>Liquid Crystals</i> , 2017, , 1-14.	0.9	5
347	50th volume anniversary of <i>Polymer Journal</i> . <i>Polymer Journal</i> , 2018, 50, 1-1.	1.3	5
348	Conformational and Crystallographic Effects on Solid-State CP/MAS ^{13}C NMR Spectra of Thermotropic Phenyl Benzoates. <i>Molecular Crystals and Liquid Crystals</i> , 1991, 195, 1-14.	0.7	4
349	Fluorescence study on a physical gel of a cyanobiphenyl liquid crystal. <i>Polymers for Advanced Technologies</i> , 2000, 11, 456-459.	1.6	4
350	MORPHOLOGY CONTROL OF LIQUID CRYSTALLINE COMPOSITE GELS BASED ON MOLECULAR SELF-ASSEMBLING KINETICS. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 399, 1-15.	0.4	4
351	Supramolecular structure of columnar liquid crystalline π -conjugated oligothiophenes with highly polarized photoluminescence properties. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	4
352	Development of wearable measurement system for abdominal palpation. , 2012, , .		4
353	Macromolecular templates for biomineralization-inspired crystallization of oriented layered zinc hydroxides. <i>Polymer Journal</i> , 2017, 49, 735-739.	1.3	4
354	Thermotropic Columnar Liquid Crystals Based on Wedge-Shaped Phenylphosphonic Acids. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1450-1452.	2.0	4
355	Removal of viruses from their cocktail solution by liquid-crystalline water-treatment membranes. <i>Polymer Journal</i> , 2022, 54, 821-825.	1.3	4
356	New Approach to Chiral Conductive Materials. A Polymer Composite from Polypyrrole and an Optically Active Polyamide. <i>Chemistry Letters</i> , 1991, 20, 713-716.	0.7	3
357	Liquid crystallinity, IR analysis, and mechanical properties of thermotropic polyamides having alkylene spacers. <i>Journal of Polymer Science Part A</i> , 1996, 34, 3407-3415.	2.5	3
358	Precision Polymerization and Polymers II. Supramolecular Liquid Crystal Polymers. Formation of Molecular Self-Organized Structures and Their Functionalization.. <i>Kobunshi Ronbunshu</i> , 1997, 54, 855-862.	0.2	3
359	“Surgery recorder system” for recording position and force of forceps during laparoscopic surgery. , 2007, , .		3
360	Self-Assembled Structures of Liquid-Crystalline Oligopeptide Dimers. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 516, 132-143.	0.4	3

#	ARTICLE	IF	CITATIONS
361	Chitin: Formation of Helically Structured Chitin/CaCO ₃ Hybrids through an Approach Inspired by the Biomineralization Processes of Crustacean Cuticles (Small 38/2015). Small, 2015, 11, 5126-5126.	5.2	3
362	Self-assembly of Liquid-crystalline Squaramides. Chemistry Letters, 2018, 47, 601-604.	0.7	3
363	Computational Molecular Technology Toward Macroscopic Chemical Phenomena: Red Moon Methodology and Its Related Applications. , 2019, , 201-234.		3
364	Supramolecular Liquid-Crystalline Polyamides. Polymeric Complexes Formed through Hydrogen Bonding between Benzoic Acid Derivatives and a 2,6-Diaminopyridine Moiety in the Polymer Backbone.. Journal of Fiber Science and Technology, 1999, 55, 274-278.	0.0	3
365	Synthesis, liquid crystallinity, and mechanical properties of thermotropic polyquinolines. Journal of Polymer Science Part A, 1998, 36, 749-759.	2.5	2
366	<title>Liquid crystalline physical gels: electro-optic properties and microphase-separated structures</title>. , 2000, , .		2
367	Dynamic Behavior of a Hydrogen-Bonded Liquid Crystal Induced by the Orienting Film with a Large Dipole Moment. Molecular Crystals and Liquid Crystals, 2001, 367, 361-368.	0.3	2
368	Innentitelbild: Brightly Tricolored Mechanochromic Luminescence from a Single-Luminophore Liquid Crystal: Reversible Writing and Erasing of Images (Angew. Chem. 39/2011). Angewandte Chemie, 2011, 123, 9156-9156.	1.6	2
369	Inside Cover: Brightly Tricolored Mechanochromic Luminescence from a Single-Luminophore Liquid Crystal: Reversible Writing and Erasing of Images (Angew. Chem. Int. Ed. 39/2011). Angewandte Chemie - International Edition, 2011, 50, 8994-8994.	7.2	2
370	PJ ZEON Award for outstanding papers in Polymer Journal 2014. Polymer Journal, 2015, 47, 413-414.	1.3	2
371	Liquid Crystals: Liquid-Crystalline Electrolytes for Lithium-Ion Batteries: Ordered Assemblies of a Mesogen-Containing Carbonate and a Lithium Salt (Adv. Funct. Mater. 8/2015). Advanced Functional Materials, 2015, 25, 1205-1205.	7.8	2
372	Liquid-crystalline behavior and ion transport properties of block-structured molecules containing a perfluorinated ethylene oxide moiety complexed with a lithium salt. Polymer Journal, 2018, 50, 889-898.	1.3	2
373	Hydrogen-Bonded Liquid Crystalline Materials: Supramolecular Polymeric Assembly and the Induction of Dynamic Function. , 2001, 22, 797.		2
374	Optimal Execution for Uncertain Market Impact: Derivation and Characterization of a Continuous-Time Value Function. , 2014, , .		2
375	Effects of thermal history on transition behavior of a thermotropic polyester.. Kobunshi Ronbunshu, 1986, 43, 307-310.	0.2	1
376	Light-scattering electro-optical properties of liquid crystal physical gels. , 2003, , .		1
377	Crystal Packing and Hydrogen-Bonding Studies: The Crystal and Molecular Structures of the Nonhydrate and Hydrate Forms of 2,6-Di(propanoylamino)pyridine. Molecular Crystals and Liquid Crystals, 2006, 452, 37-48.	0.4	1
378	Liquid Crystals: Self-Organized Liquid-Crystalline Nanostructured Membranes for Water Treatment: Selective Permeation of Ions (Adv. Mater. 17/2012). Advanced Materials, 2012, 24, 2218-2218.	11.1	1

#	ARTICLE	IF	CITATIONS
379	Crystal Structure of a Short Alkyl Chain Pyridine-Based Bisurea Compound: The Effects of Alkyl Chain Length in a Supramolecule Module. X-ray Structure Analysis Online, 2013, 29, 49-50.	0.1	1
380	PJ ZEON Award for outstanding papers in Polymer Journal 2015. Polymer Journal, 2016, 48, 665-666.	1.3	1
381	PJ ZEON Award for outstanding papers in Polymer Journal 2017. Polymer Journal, 2018, 50, 407-409.	1.3	1
382	The 27th international liquid crystal conference, ILCC2018 in Kyoto, Japan. Liquid Crystals Today, 2019, 28, 15-22.	2.3	1
383	Development of biomineralization-inspired hybrids based on β -chitin and zinc hydroxide carbonate and their conversion into zinc oxide thin films. CrystEngComm, 2019, 21, 2893-2899.	1.3	1
384	Supramolecular hydrogen-bonded liquid-crystalline polymer complexes. Design of side-chain polymers and a host-guest system by noncovalent interaction. , 1996, 34, 57.		1
385	Gelation of Room-Temperature Liquid Crystals by the Association of a trans-1,2-Bis(amino)cyclohexane Derivative. , 1998, 10, 606.		1
386	Self-Aggregation of an Amino Acid Derivative in a Liquid-Crystalline Physical Gel-Faster Response to Electric Fields. , 1999, 11, 392.		1
387	Measurement of anisotropic ion conduction in liquid crystalline states having polyether segments. , 2000, 11, 529.		1
388	Hydrogen-Bonded Liquid Crystalline Materials: Supramolecular Polymeric Assembly and the Induction of Dynamic Function. , 2001, 22, 797.		1
389	PJ ZEON Award for outstanding papers in Polymer Journal 2016. Polymer Journal, 2017, 49, 465-466.	1.3	1
390	Complexation and Functionalization of Self-Assembled Nanofibers. Journal of Fiber Science and Technology, 2003, 59, P.18-P.21.	0.0	1
391	Liquid-Crystalline Formation and Functionalization of Ionic Liquids through Self-Organization Processes. Hyomen Kagaku, 2007, 28, 318-321.	0.0	1
392	Anisotropic, Degradable Polymer Assemblies Driven by a Rigid Hydrogen-Bonding Motif That Induce Shape-Specific Cell Responses. Macromolecules, 2022, 55, 15-25.	2.2	1
393	Bioinspired macromolecular templates for crystallographic orientation control of ZnO thin films through zinc hydroxide carbonate. Polymer Journal, 0, , .	1.3	1
394	Structures and Mechanical Properties of a Thermotropic Aromatic Polyester Containing a Flexible Spacer.. Kobunshi Ronbunshu, 1991, 48, 395-398.	0.2	0
395	æ©ÿèf1/2æ€\$âˆ†âé.†âˆ†1/2“â©æ\$çˆ%âˆ†âfŠâfŽâŠâ,âˆ†âfžâ,â,âfæ\$çé€âˆ†â¼j. Materia Japan, 2003, 42, 453-456.0.1	0.1	0
396	Photostimulated structural changes of liquid crystal physical gels. , 2004, , .		0

#	ARTICLE	IF	CITATIONS
397	Effect of Methyl Groups onto Imidazolium Cation Ring on Liquid Crystallinity and Ionic Conductivity of Amphiphilic Ionic Liquids.. ChemInform, 2005, 36, no.	0.1	0
398	The Influence of Hydrogen Bonding on Generation and Stabilization of Self-Assembled Layer Structure of 6-[4-(<i>trans</i> -4-pentylcyclohexyl)phenoxy]hexane-1,2-diol. Molecular Crystals and Liquid Crystals, 2008, 490, 43-51.	0.4	0
399	Alignment Properties of Hydrogen-Bonded Mesogens of Supramolecular Liquid-Crystalline Network Films Coated on an Alignment Layer. Molecular Crystals and Liquid Crystals, 2009, 510, 96/[1230]-105/[1239].	0.4	0
400	Photoluminescent Fibers: Anisotropic Self-Assembly of Photoluminescent Oligo(p-Phenylenevinylene) Derivatives in Liquid Crystals: An Effective Strategy for the Macroscopic Alignment of π -Gels (Adv.) Tj ETQq0 0 0 rgBI, Overlook 10 Tf 50		
401	Synthesis of Functional Hybrid Materials through Approaches Inspired by Biomineralization. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2010, 57, 495-499.	0.1	0
402	Development of the measurement system of upper abdominal palpation. , 2011, , .		0
403	Development of Mass-Produced Rapid Mixer Based on Baker's Transformation. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2012, 78, 762-768.	0.2	0
404	A One-Factor Conditionally Linear Commodity Pricing Model under Partial Information. Asia-Pacific Financial Markets, 2014, 21, 151-174.	1.3	0
405	Evaluation of Stability and Effect of Gripping Method on a Laser-Induced Liquid Jet Hand Applicator for Usability Improvement. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1786-1789.	0.2	0
406	Design and validation for improve usability of Laser Induced Liquid Jet hand piece. Journal of Japan Society of Computer Aided Surgery, 2015, 17, 23-37.	0.1	0
407	Development of Gyroid Structures through the Design of Self-organizing Ionic Liquids and Their Application. Nihon Kessho Gakkaishi, 2015, 57, 184-190.	0.0	0
408	Technical Reviews start in Polymer Journal. Polymer Journal, 2016, 48, 559-559.	1.3	0
409	Order estimates for the exact Lugannaniâ€“Rice expansion. Japan Journal of Industrial and Applied Mathematics, 2016, 33, 25-61.	0.5	0
410	Liquid Crystals: Development of Glassy Bicontinuous Cubic Liquid Crystals for Solid Protonâ€“Conductive Materials (Adv. Mater. 4/2017). Advanced Materials, 2017, 29, .	11.1	0
411	Virus Filtration: Highly Efficient Virus Rejection with Selfâ€“Organized Membranes Based on a Crosslinked Bicontinuous Cubic Liquid Crystal (Adv. Healthcare Mater. 14/2017). Advanced Healthcare Materials, 2017, 6, .	3.9	0
412	Ion Selectivity of Water Molecules in Subnanoporous Liquidâ€“Crystalline Waterâ€“Treatment Membranes: A Structural Study of Hydrogen Bonding. Angewandte Chemie, 2020, 132, 23667-23671.	1.6	0
413	Water Treatment: High Virus Removal by Selfâ€“Organized Nanostructured 2D Liquidâ€“Crystalline Smectic Membranes for Water Treatment (Small 23/2020). Small, 2020, 16, 2070128.	5.2	0
414	340 Proposal and Development of the Surgery Recorder for Minimally Invasive Surgery. Proceedings of the JSME Bioengineering Conference and Seminar, 2005, 2004.17, 327-328.	0.0	0

#	ARTICLE	IF	CITATIONS
415	Supramolecular Low-Molecular Weight Complexes and Supramolecular Side-Chain Polymers. , 2005, , .		0
416	Development of Functional Self-Assembled Fibers in Liquid Crystals. Journal of Fiber Science and Technology, 2006, 62, P.142-P.145.	0.0	0
417	Design and Synthesis of Organic/Inorganic Hybrid Materials Inspired by Biomineralization: Morphology Control of Calcium Carbonate Thin Films using Polymers and Mg ²⁺ Ions. Oleoscience, 2014, 14, 417-423.	0.0	0
418	Liquid Crystalline Materials. , 2014, , 243-300.		0
419	Function of Liquid Crystals. , 2014, , 357-410.		0
420	Design of New Type of Liquid Crystalline Polymers Through Intermolecular Hydrogen Bonding. , 1992, , 299-305.		0
421	Construction of Supramolecular Structures via. Hydrogen Bonds. Supramolecular Liquid-Crystalline Networks Built through Hydrogen Bonds.. Hyomen Kagaku, 1998, 19, 230-236.	0.0	0