Huai Yang

List of Publications by Year in descending order

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Version: 2024-02-01

252 papers	9,610 citations	53794 45 h-index	56724 83 g-index
253 all docs	253 docs citations	253 times ranked	6490 citing authors

#	Article	IF	Citations
1	Polymer-stabilized liquid crystal blue phases. Nature Materials, 2002, 1, 64-68.	27.5	1,234
2	Recent Advances on Waterâ€Splitting Electrocatalysis Mediated by Nobleâ€Metalâ€Based Nanostructured Materials. Advanced Energy Materials, 2020, 10, 1903120.	19.5	560
3	Sulfur/Oxygen Codoped Porous Hard Carbon Microspheres for Highâ€Performance Potassiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1800171.	19.5	363
4	Wide Blue Phase Range in a Hydrogenâ€Bonded Selfâ€Assembled Complex of Chiral Fluoroâ€Substituted Benzoic Acid and Pyridine Derivative. Advanced Materials, 2009, 21, 2050-2053.	21.0	185
5	Electrically Controllable Selective Reflection of Chiral Nematic Liquid Crystal/Chiral Ionic Liquid Composites. Advanced Materials, 2010, 22, 468-472.	21.0	143
6	Hysteresisâ€Free Blue Phase Liquidâ€Crystalâ€Stabilized by ZnS Nanoparticles. Small, 2012, 8, 2189-2193.	10.0	140
7	Carbonâ€“Oxygenâ€Bridged Ladderâ€Type Building Blocks for Highly Efficient Nonfullerene Acceptors. Advanced Materials, 2019, 31, e1804790.	21.0	139
8	A temperature and electric field-responsive flexible smart film with full broadband optical modulation. Materials Horizons, 2017, 4, 878-884.	12.2	123
9	Thermally bandwidth-controllable reflective polarizers from (polymer network/liquid crystal/chiral) Tj ETQq1 1 0.784314 rgBT /Overloc	3.3	119
10	Preparation of a Thermally Light-Transmittance-Controllable Film from a Coexistent System of Polymer-Dispersed and Polymer-Stabilized Liquid Crystals. ACS Applied Materials & Interfaces, 2017, 9, 2942-2947.	8.0	119
11	Asymmetric Tunable Photonic Bandgaps in Selfâ€Organized 3D Nanostructure of Polymerâ€Stabilized Blue Phase I Modulated by Voltage Polarity. Advanced Functional Materials, 2017, 27, 1702261.	14.9	117
12	Polymer stabilized liquid crystal films reflecting both right- and left-circularly polarized light. Applied Physics Letters, 2008, 93, .	3.3	113
13	A roll-to-roll process for multi-responsive soft-matter composite films containing Cs_xWO₃ nanorods for energy-efficient smart window applications. Nanoscale Horizons, 2017, 2, 319-325.	8.0	111
14	Nearâ€Infrared Photodriven Selfâ€Sustained Oscillation of Liquidâ€Crystalline Network Film with Predesignated Polydopamine Coating. Advanced Materials, 2020, 32, e1906319.	21.0	111
15	Multiple stimuli-responsive polymeric micelles for controlled release. Soft Matter, 2013, 9, 370-373.	2.7	104
16	Photoresponsive liquid crystals based on halogen bonding of azopyridines. Chemical Communications, 2014, 50, 9647-9649.	4.1	97
17	Liquidâ€Crystalline Ordering Helps Block Copolymer Selfâ€Assembly. Advanced Materials, 2011, 23, 3337-3344.	21.0	93
18	Fast Growth and Broad Applications of 25â€Inch Uniform Graphene Glass. Advanced Materials, 2017, 29, 1603428.	21.0	90

#	Article	IF	Citations
19	Broadband reflection of polymer-stabilized chiral nematic liquid crystals induced by a chiral azobenzene compound. Chemical Communications, 2014, 50, 691-694.	4.1	86
20	Recent Advances in The Polymer Dispersed Liquid Crystal Composite and Its Applications. Molecules, 2020, 25, 5510.	3.8	84
21	Wide blue phase range and electro-optical performances of liquid crystalline composites doped with thiophene-based mesogens. Journal of Materials Chemistry, 2012, 22, 2383-2386.	6.7	83
22	Low voltage and hysteresis-free blue phase liquid crystal dispersed by ferroelectric nanoparticles. Journal of Materials Chemistry, 2012, 22, 19629.	6.7	82
23	Light-controllable reflection wavelength of blue phase liquid crystals doped with azobenzene-dimers. Chemical Communications, 2013, 49, 10097.	4.1	75
24	Polymer-stabilized nanoparticle-enriched blue phase liquid crystals. Journal of Materials Chemistry C, 2013, 1, 6526.	5.5	75
25	Fabrication of multi-pitched photonic structure in cholesteric liquid crystals based on a polymer template with helical structure. Journal of Materials Chemistry, 2010, 20, 4094.	6.7	69
26	Evolution of white organic light-emitting devices: from academic research to lighting and display applications. Materials Chemistry Frontiers, 2019, 3, 970-1031.	5.9	67
27	Controllable properties and microstructure of hydrogels based on crosslinked poly(ethylene glycol) diacrylates with different molecular weights. Journal of Applied Polymer Science, 2011, 121, 531-540.	2.6	65
28	Polymeric infrared reflective thin films with ultra-broad bandwidth. Liquid Crystals, 2016, 43, 750-757.	2.2	65
29	A novel soft matter composite material for energy-saving smart windows: from preparation to device application. Journal of Materials Chemistry A, 2015, 3, 10738-10746.	10.3	64
30	Humidityâ€Responsive Liquid Crystalline Network Actuator Showing Synergistic Fluorescence Color Change Enabled by Aggregation Induced Emission Luminogen. Advanced Functional Materials, 2021, 31, 2010578.	14.9	64
31	Dual-Band Modulation of Visible and Near-Infrared Light Transmittance in an All-Solution-Processed Hybrid Microâ€“Nano Composite Film. ACS Applied Materials & Interfaces, 2017, 9, 40810-40819.	8.0	62
32	Broadband Reflection in Polymerâ€Stabilized Cholesteric Liquid Crystals via Thiolâ€“Acrylate Chemistry. Angewandte Chemie - International Edition, 2019, 58, 6698-6702.	13.8	62
33	Active and passive modulation of solar light transmittance in a hybrid thermochromic soft-matter system for energy-saving smart window applications. Journal of Materials Chemistry C, 2018, 6, 7054-7062.	5.5	58
34	Effect of Network Concentration on the Performance of Polymer-Stabilized Cholesteric Liquid Crystals with a Double-Handed Circularly Polarized Light Reflection Band. Journal of Physical Chemistry C, 2009, 113, 16538-16543.	3.1	57
35	Multi-shape-memory effects in a wavelength-selective multicomposite. Journal of Materials Chemistry A, 2015, 3, 13953-13961.	10.3	57
36	Control of the microstructure of polymer network and effects of the microstructures on light scattering properties of UVâ€cured polymerâ€dispersed liquid crystal films. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 2090-2099.	2.1	56

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37	Effects of the structures of polymerizable monomers on the electroâ€optical properties of UV cured polymer dispersed liquid crystal films. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1369-1375.	2.1	55
38	Stimuliâ€Directed Dynamic Reconfiguration in Selfâ€Organized Helical Superstructures Enabled by Chemical Kinetics of Chiral Molecular Motors. Advanced Science, 2018, 5, 1700613.	11.2	55
39	Electrically switchable light transmittance of epoxy-mercaptan polymer/nematic liquid crystal composites with controllable microstructures. Polymer, 2019, 160, 53-64.	3.8	52
40	Effects of the chain length of crosslinking agents on the electro-optical properties of polymer-dispersed liquid crystal films. Liquid Crystals, 2010, 37, 339-343.	2.2	50
41	A facile route towards controllable electric-optical performance of polymer-dispersed liquid crystal via the implantation of liquid crystalline epoxy network in conventional resin. Polymer, 2019, 167, 67-77.	3.8	49
42	Humidityâ€Responsive Blue Phase Liquidâ€Crystalline Film with Reconfigurable and Tailored Visual Signals. Advanced Functional Materials, 2020, 30, 2004610.	14.9	49
43	Lightâ€Driven Liquid Crystalline Networks and Soft Actuators with Degreeâ€ofâ€Freedomâ€Controlled Molecular Motors. Advanced Functional Materials, 2020, 30, 2000252.	14.9	49
44	SnS₂ Nanosheets Anchored on Nitrogen and Sulfur Co-Doped MXene Sheets for High-Performance Potassium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 17668-17676.	8.0	49
45	Effects of monomer structure on the morphology of polymer network and the electroâ€optical property of reverseâ€mode polymerâ€stabilized cholesteric texture. Journal of Applied Polymer Science, 2009, 111, 1353-1357.	2.6	48
46	Effect of lateral fluoro substituents of rodlike tolanecyano mesogens on blue phase temperature ranges. Soft Matter, 2013, 9, 1172-1177.	2.7	48
47	A Unique Gas-Migration, Trapping, and Emitting Strategy for High-Loading Single Atomic Cd Sites for Carbon Dioxide Electroreduction. Nano Letters, 2021, 21, 4262-4269.	9.1	48
48	Effects of 1,3,4-oxadiazoles with different rigid cores on the thermal and electro-optical performances of liquid crystalline blue phases. Liquid Crystals, 2012, 39, 629-638.	2.2	46
49	Effects of monomer structure on the morphology of polymer networks and the electro-optical properties of polymer-dispersed liquid crystal films. Liquid Crystals, 2012, 39, 419-424.	2.2	45
50	Effects of symmetrically 2,5-disubstituted 1,3,4-oxadiazoles on the temperature range of liquid crystalline blue phases: a systematic study. Liquid Crystals, 2013, 40, 354-367.	2.2	45
51	Humidityâ€Induced Simultaneous Visible and Fluorescence Photonic Patterns Enabled by Integration of Covalent Bonds and Ionic Crosslinks. Advanced Functional Materials, 2021, 31, 2106419.	14.9	45
52	Optical intensity-driven reversible photonic bandgaps in self-organized helical superstructures with handedness inversion. Journal of Materials Chemistry C, 2017, 5, 3678-3683.	5.5	44
53	Electrically addressed and thermally erased cholesteric cells. Applied Physics Letters, 2006, 89, 081130.	3.3	42
54	3D Chiral Photonic Nanostructures Based on Blueâ€Phase Liquid Crystals. Small Science, 2021, 1, 2100007.	9.9	42

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55	Reversibly and Irreversibly Humidityâ€Responsive Motion of Liquid Crystalline Network Gated by SO₂ Gas. Advanced Functional Materials, 2019, 29, 1900013.	14.9	40
56	A study on the polymer structures and electro-optical properties of epoxy-mercaptan-based polymer dispersed liquid crystal films. Liquid Crystals, 2019, 46, 1718-1726.	2.2	40
57	Reflectance properties of polymerâ€stabilised cholesteric liquid crystals cells with cholesteryl compounds of different functionality. Liquid Crystals, 2008, 35, 87-97.	2.2	39
58	Third-order nonlinear optical properties of a novel series of D-Ï€-A pyrene-aldehyde derivatives. Journal of Nonlinear Optical Physics and Materials, 2016, 25, 1650014.	1.8	39
59	Preparation and electroâ€optical properties of polymer dispersed liquid crystal films with relatively low liquid crystal content. Polymers for Advanced Technologies, 2013, 24, 453-459.	3.2	38
60	Studies on the electro-optical and the light-scattering properties of PDLC films with the size gradient of the LC droplets. Liquid Crystals, 2015, 42, 390-396.	2.2	38
61	The regulation of polymer structures and electro-optical properties of epoxy-mercaptan-based phase separated liquid crystals / polymer composites. Polymer, 2017, 127, 1-7.	3.8	38
62	Ultrastable liquid crystalline blue phase from molecular synergistic self-assembly. Nature Communications, 2021, 12, 1440.	12.8	38
63	Effects of the fluorinated liquid crystal molecules on the electro-optical properties of polymer dispersed liquid crystal films. Liquid Crystals, 2017, 44, 2301-2310.	2.2	37
64	Electrothermal Switching Characteristics from a Hydrogen-Bonded Polymer Network Structure in Cholesteric Liquid Crystals with a Double-Handed Circularly Polarized Light Reflection Band. Journal of Physical Chemistry B, 2011, 115, 861-868.	2.6	36
65	Photothermal effect of azopyridine compounds and their applications. RSC Advances, 2015, 5, 4675-4680.	3.6	36
66	Effects of crosslinking agent/diluents/thiol on morphology of the polymer matrix and electro-optical properties of polymer-dispersed liquid crystal. Liquid Crystals, 2018, 45, 728-735.	2.2	36
67	Stabilization of blue phases by hydrogen-bonded bent-shaped and T-shaped molecules featuring a branched terminal group. Soft Matter, 2013, 9, 10186.	2.7	35
68	Stabilizing blue phases of a simple cyanobiphenyl compound by addition of achiral mesogen monomer with a branched end group and chiral hydrogen-bonded assemblies. Journal of Materials Chemistry C, 2013, 1, 947-957.	5.5	35
69	Light-induced wide range color switching of liquid crystal blue phase doped with hydrogen-bonded chiral azobenzene switches. RSC Advances, 2014, 4, 28597-28600.	3.6	35
70	Effects of functionality of thiol monomer on electro-optical properties of polymer-dispersed liquid crystal films. Liquid Crystals, 2017, 44, 1086-1092.	2.2	35
71	A Thieno[3,2â€c]Isoquinolinâ€5(4H)â€One Building Block for Efficient Thickâ€Film Solar Cells. Advanced Energy Materials, 2018, 8, 1800397.	19.5	35
72	A novel light diffuser based on the combined morphology of polymer networks and polymer balls in a polymer dispersed liquid crystals film. RSC Advances, 2018, 8, 21690-21698.	3.6	35

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73	Wide-band reflective polarizers from cholesteric liquid crystals with stable optical properties. Journal of Applied Polymer Science, 2007, 105, 2973-2977.	2.6	34
74	Realisation of cholesteric liquid-crystalline materials reflecting both right- and left-circularly polarised light using the wash-out/refill technique. Liquid Crystals, 2010, 37, 171-178.	2.2	34
75	Photoinduced Hyper-Reflective Laminated Liquid Crystal Film with Simultaneous Multicolor Reflection. ACS Applied Materials & Interfaces, 2014, 6, 1380-1384.	8.0	34
76	Biasâ€Polarity Dependent Bidirectional Modulation of Photonic Bandgap in a Nanoengineered 3D Blue Phase Polymer Scaffold for Tunable Laser Application. Advanced Optical Materials, 2018, 6, 1800409.	7.3	34
77	Highâ€Efficiency and Reliable Smart Photovoltaic Windows Enabled by Multiresponsive Liquid Crystal Composite Films and Semiâ€Transparent Perovskite Solar Cells. Advanced Energy Materials, 2019, 9, 1900720.	19.5	34
78	Effects of the functionality of epoxy monomer on the electro-optical properties of thermally-cured polymer dispersed liquid crystal films. RSC Advances, 2012, 2, 2144.	3.6	33
79	Synthesis and characterization of thienyl-substituted pyridinium salts for second-order nonlinear optics. CrystEngComm, 2012, 14, 1031-1037.	2.6	32
80	Lightâ€Driven Selfâ€Oscillating Behavior of Liquidâ€Crystalline Networks Triggered by Dynamic Isomerization of Molecular Motors. Advanced Functional Materials, 2021, 31, 2103311.	14.9	32
81	Luminescence Enhancement, Encapsulation, and Patterning of Quantum Dots Toward Display Applications. Advanced Functional Materials, 2022, 32, .	14.9	32
82	Freestanding Helical Nanostructured Chiroâ€Photonic Crystal Film and Anticounterfeiting Label Enabled by a Cholesterolâ€Grafted Lightâ€Driven Molecular Motor. Small Methods, 2022, 6, e2200269.	8.6	32
83	Effects of the structures of epoxy monomers on the electro-optical properties of heat-cured polymer-dispersed liquid crystal films. Liquid Crystals, 2010, 37, 189-193.	2.2	31
84	Characterization and Morphology of Polymer-Dispersed Liquid Crystal Films. Soft Materials, 2014, 12, 339-345.	1.7	31
85	Broadband reflection in polymer stabilized cholesteric liquid crystal films with stepwise photo-polymerization. Physical Chemistry Chemical Physics, 2017, 19, 2353-2358.	2.8	31
86	An electrically light-transmittance-controllable film with a low-driving voltage from a coexistent system of polymer-dispersed and polymer-stabilised cholesteric liquid crystals. Liquid Crystals, 2018, 45, 1854-1860.	2.2	31
87	Modulation of Chirality and Intensity of Circularly Polarized Luminescence Emitting from Cholesteric Liquid Crystals Triggered by Photoresponsive Molecular Motor. Advanced Optical Materials, 2022, 10, .	7.3	31
88	Studies on electroâ€optical properties of polymer matrix/LC/SiO₂ nanoparticles composites. Journal of Applied Polymer Science, 2009, 111, 1449-1453.	2.6	30
89	Magnetite nanoparticles/chiral nematic liquid crystal composites with magnetically addressable and magnetically erasable characteristics. Liquid Crystals, 2010, 37, 563-569.	2.2	30
90	Low swelling hyperbranched poly(amine-ester) hydrogels for pH-modulated differential release of anticancer drugs. Journal of Materials Chemistry, 2011, 21, 13530.	6.7	30

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91	Preparation and optical properties of Fe₃O₄ nanoparticles-doped blue phase liquid crystal. Physical Chemistry Chemical Physics, 2016, 18, 29028-29032.	2.8	30
92	Effects of polymer network on electrically induced reflection band broadening of cholesteric liquid crystals. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 835-846.	2.1	30
93	Effects of polymer micro-structures on the thermo-optical properties of a flexible soft-mater film based on liquid crystals / polymer composite. Polymer, 2018, 146, 161-168.	3.8	30
94	Photothermal Dual Passively Driven Liquid Crystal Smart Window. ACS Applied Materials & Interfaces, 2022, 14, 28301-28309.	8.0	30
95	Broadband reflection characteristic of polymer-stabilised cholesteric liquid crystal with pitch gradient induced by a hydrogen bond. Liquid Crystals, 2010, 37, 1275-1280.	2.2	29
96	Ethanolâ€Precipitable, Silicaâ€Passivated Perovskite Nanocrystals Incorporated into Polystyrene Microspheres for Longâ€Term Storage and Reusage. Angewandte Chemie - International Edition, 2019, 58, 2799-2803.	13.8	29
97	Patterning of Discotic Liquid Crystals with Tunable Molecular Orientation for Electronic Applications. Small, 2018, 14, e1800557.	10.0	28
98	Effect of a Photopolymerizable Monomer Containing a Hydrogen Bond on Near-Infrared Radiation Transmittance of Nematic Liquid Crystal/Monomers Composites. Journal of Physical Chemistry C, 2008, 112, 13739-13743.	3.1	27
99	Novel high birefringence bistolane liquid crystals with lateral fluorosubstituent. Liquid Crystals, 2012, 39, 1330-1339.	2.2	27
100	Photoinduced polymer-stabilised chiral nematic liquid crystal films reflecting both right- and left-circularly polarised light. Liquid Crystals, 2015, 42, 1120-1123.	2.2	27
101	Synthesis and self-assembly behaviours of side-chain smectic thiolâ€“ene polymers based on the polysiloxane backbone. Journal of Materials Chemistry C, 2016, 4, 1425-1440.	5.5	27
102	Polysiloxane-Based Side Chain Liquid Crystal Polymers: From Synthesis to Structureâ€“Phase Transition Behavior Relationships. Polymers, 2018, 10, 794.	4.5	27
103	Tunable Circularly Polarized Luminescence with a High Dissymmetry Factor Emitted from Luminogen-Bonded and Electrically Controlled Polymer-Stabilized Cholesteric Liquid Crystals. ACS Applied Materials & Interfaces, 2022, 14, 8490-8498.	8.0	27
104	An electrically light-transmittance-switchable film with a low driving voltage based on liquid crystal/polymer composites. Liquid Crystals, 2020, 47, 106-113.	2.2	26
105	Effects of the methacrylate monomers with different end groups on the morphologies, electro-optical and mechanical properties of polymer dispersed liquid crystals composite films. Liquid Crystals, 2021, 48, 722-734.	2.2	26
106	Elastomeric Conducting Polyaniline Formed Through Topological Control of Molecular Templates. ACS Nano, 2016, 10, 5991-5998.	14.6	25
107	Matched elastic constants for a perfect helical planar state and a fast switching time in chiral nematic liquid crystals. Soft Matter, 2016, 12, 4483-4488.	2.7	25
108	Blue phase liquid crystals affected by graphene oxide modified with aminoazobenzol group. Liquid Crystals, 2016, 43, 573-580.	2.2	25

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109	Fabrication of a controllable anti-peeping device with a laminated structure of microlouver and polymer dispersed liquid crystals film. Liquid Crystals, 2019, 46, 2235-2244.	2.2	25
110	Switchable anti-peeping film for liquid crystal displays from polymer dispersed liquid crystals. Liquid Crystals, 2019, 46, 718-724.	2.2	25
111	New microâ€structure designs of a wide band reflective polarizer with a pitch gradient. Liquid Crystals, 2007, 34, 473-477.	2.2	24
112	Thermally Controllable Reflective Characteristics from Rupture and Self-Assembly of Hydrogen Bonds in Cholesteric Liquid Crystals. Journal of Physical Chemistry B, 2009, 113, 13882-13885.	2.6	24
113	The UV polymerisation temperature dependence of polymer-dispersed liquid crystals based on epoxies/acrylates hybrid polymer matrix components. Liquid Crystals, 2012, 39, 1131-1140.	2.2	24
114	Photoinduced pitch gradients and the reflection behaviour of the broadband films: influence of dye concentration, light intensity, temperature and monomer concentration. Liquid Crystals, 2012, 39, 707-714.	2.2	24
115	Programmable Chromism and Photoluminescence of Spiropyranâ€Based Liquid Crystalline Polymer with Tunable Glass Transition Temperature. Angewandte Chemie - International Edition, 2021, 60, 19406-19412.	13.8	24
116	Humidity-Responsive Photonic Crystals with pH and SO₂ Gas Detection Ability Based on Cholesteric Liquid Crystalline Networks. ACS Applied Materials & Interfaces, 2022, 14, 16764-16771.	8.0	24
117	A study of electroâ€optical properties of PDLC films prepared by dual UV and heat curing. Liquid Crystals, 2008, 35, 587-595.	2.2	23
118	Study of polymer-dispersed liquid crystal systems using epoxies / acrylates as hybrid polymer matrix components. Liquid Crystals, 2012, 39, 903-909.	2.2	23
119	Processing, structure, and properties of multiwalled carbon nanotube/poly(hydroxybutyrateâ€coâ€valerate) biopolymer nanocomposites. Journal of Applied Polymer Science, 2012, 125, E620.	2.6	23
120	Preparation of polymer-dispersed liquid crystal doped with indium tin oxide nanoparticles. Liquid Crystals, 2018, 45, 1068-1077.	2.2	23
121	Programmable electro-optical performances in a dual-frequency liquid crystals / polymer composite system. Polymer, 2018, 149, 164-168.	3.8	23
122	Effect of Polymer Network Topology on the Electroâ€Optical Performance of Polymer Stabilized Liquid Crystal (PSLC) Devices. Macromolecular Chemistry and Physics, 2020, 221, 2000185.	2.2	23
123	Boosting Efficiency and Curtailing the Efficiency Roll-Off in Green Perovskite Light-Emitting Diodes via Incorporating Ytterbium as Cathode Interface Layer. ACS Applied Materials & Interfaces, 2020, 12, 18761-18768.	8.0	23
124	Effects of rigid structures containing (meth)acrylate monomers and crosslinking agents with different chain length on the morphology and electro-optical properties of polymer-dispersed liquid crystal films. Journal of Modern Optics, 2020, 67, 682-691.	1.3	23
125	Synthesis and mesomorphic properties of two series of new azineâ€type liquid crystals. Liquid Crystals, 2008, 35, 581-585.	2.2	22
126	Photoresponsive behaviors of smectic liquid crystals tuned by an azobenzene chromophore. RSC Advances, 2012, 2, 487-493.	3.6	22

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127	Triple stimuli-responsive crosslinked polymeric nanoparticles for controlled release. RSC Advances, 2014, 4, 35757.	3.6	22
128	Reverse-mode polymer dispersed liquid crystal films prepared by patterned polymer walls. Liquid Crystals, 2015, 42, 1320-1328.	2.2	22
129	Study on the electro-optical properties of polyimide-based polymer-dispersed liquid crystal films. Liquid Crystals, 2015, 42, 1689-1697.	2.2	22
130	Photochemically and Photothermally Controllable Liquid Crystalline Network and Soft Walkers. ACS Applied Materials & Interfaces, 2021, 13, 3221-3227.	8.0	22
131	Influence of the multi-functional epoxy monomers structure on the electro-optical properties and morphology of polymer-dispersed liquid crystal films. Polymer Bulletin, 2013, 70, 2967-2980.	3.3	21
132	Traps induced memory effect in rubrene single crystal phototransistor. Applied Physics Letters, 2018, 113, .	3.3	21
133	Effect of a chiral dopant on the electro-optical properties of polymer-dispersed liquid-crystal films. Journal of Applied Polymer Science, 2007, 105, 2185-2189.	2.6	20
134	The influence of the structure of curable epoxy monomers on the electro-optical properties of polymer dispersed liquid crystal devices prepared by UV-initiated cationic polymerisation. Liquid Crystals, 2012, 39, 433-440.	2.2	20
135	Asymmetrical phenyldiacetylenes liquid crystalline compounds with high birefringence and characteristics of selective reflection. Liquid Crystals, 2012, 39, 1291-1296.	2.2	20
136	Effects of a triethylamine catalyst on curing time and electro-optical properties of PDLC films. RSC Advances, 2013, 3, 23533.	3.6	20
137	Effect of cholesteric liquid crystalline elastomer with binaphthalene crosslinkings on thermal and optical properties of a liquid crystal that show smectic Aâ€cholesteric phase transition. Polymers for Advanced Technologies, 2013, 24, 228-235.	3.2	20
138	Bistable polymer-dispersed cholesteric liquid crystal thin film enabled by a stepwise polymerization. RSC Advances, 2015, 5, 58959-58965.	3.6	20
139	Electrically controllable microstructures and dynamic light scattering properties of liquid crystals with negative dielectric anisotropy. RSC Advances, 2015, 5, 33489-33495.	3.6	20
140	Pyrene-Based Small Molecular Nonlinear Optical Materials Modified by â€˜â€˜Click-Reactionâ€™â€™. Journal of Electronic Materials, 2015, 44, 2883-2889.	2.2	20
141	Electro-Optical Properties of a Polymer Dispersed and Stabilized Cholesteric Liquid Crystals System Constructed by a Stepwise UV-Initiated Radical/Cationic Polymerization. Crystals, 2019, 9, 282.	2.2	20
142	Patterning Smectic Liquid Crystals for OFETs at Low Temperature. Advanced Functional Materials, 2019, 29, 1804838.	14.9	20
143	Characteristics of wide-band reflection of polymer-stabilised cholesteric liquid crystal cell prepared from an unsticking technique. Liquid Crystals, 2009, 36, 939-946.	2.2	19
144	PEG/lecithinâ€“liquid-crystalline composite hydrogels for quasi-zero-order combined release of hydrophilic and lipophilic drugs. RSC Advances, 2013, 3, 22927.	3.6	19

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145	Reversible light-directed self-organized 3D liquid crystalline photonic nanostructures doped with azobenzene-functionalized bent-shaped molecules. Journal of Materials Chemistry C, 2018, 6, 7740-7744.	5.5	19
146	Bandwidth-controllable reflective cholesteric gels from photo- and thermally-induced processes. Liquid Crystals, 2010, 37, 311-316.	2.2	18
147	Electro-responsive 1-D nanomaterial driven broad-band reflection in chiral nematic liquid crystals. Journal of Materials Chemistry C, 2013, 1, 216-219.	5.5	18
148	Multicolored Electrochromic Device from the Reversible Aggregation and Decentralization of Silver Nanoparticles. Advanced Optical Materials, 2016, 4, 106-111.	7.3	18
149	Effects of thiophene-based mesogen terminated with branched alkoxy group on the temperature range and electro-optical performances of liquid crystalline blue phases. Liquid Crystals, 2016, 43, 524-534.	2.2	18
150	Liquid Crystal Elastomer Actuators from Anisotropic Porous Polymer Template. Macromolecular Rapid Communications, 2017, 38, 1600699.	3.9	18
151	Photoresponsive iodine-bonded liquid crystals based on azopyridine derivatives with a low phase-transition temperature. Liquid Crystals, 2019, 46, 37-44.	2.2	18
152	Fluorescent Azobenzene-Containing Compounds: From Structure to Mechanism. Crystals, 2021, 11, 840.	2.2	18
153	Synthesis and characterization of functionalized triblock polymer: The prepared polymer is cholesteryl terminated and chain-extended PCL. Journal of Applied Polymer Science, 2007, 105, 3505-3512.	2.6	17
154	Broadband reflection in polymer stabilized cholesteric liquid crystal cells with chiral monomers derived from cholesterol. Polymers for Advanced Technologies, 2008, 19, 1504-1512.	3.2	17
155	The influence of crosslinking agents on the morphology and electroâ€optical performances of PDLC films. Journal of Applied Polymer Science, 2010, 117, 3434-3440.	2.6	17
156	Studies on electro-optical properties of polymer dispersed liquid crystal films based on epoxy resins prepared by UV-initiated cationic polymerisation. Liquid Crystals, 2012, 39, 313-321.	2.2	17
157	Thermally stable transparent solâ€“gel based active siloxaneâ€“oligomer materials with tunable high refractive index and dual reactive groups. RSC Advances, 2016, 6, 70825-70831.	3.6	17
158	Fluorescence enhancement and encapsulation of quantum dots via a novel crosslinked vinyl-ether liquid crystals/polymer composite film. Polymer, 2020, 207, 122834.	3.8	17
159	Effects of multifunctional acrylates and thiols on the morphology and electro-optical properties of polymer-dispersed liquid crystal films. Liquid Crystals, 2021, 48, 1457-1466.	2.2	17
160	Effects of the mixture composition on the microstructure of polymer matrix and light scattering properties of liquid crystal/photo-polymerizable monomers composites. Optical Materials, 2008, 31, 434-439.	3.6	16
161	Bandwidth-controllable reflective polarisers based on the temperature-dependent chiral conflict in binary chiral mixtures. Liquid Crystals, 2011, 38, 233-239.	2.2	16
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