

# Huai Yang

## List of Publications by Year in Descending Order

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

243 papers	7,046 citations	39 h-index	72 g-index
253 ext. papers	8,227 ext. citations	5.8 avg, IF	5.98 L-index

#	Paper	IF	Citations
243	Tunable Circularly Polarized Luminescence with a High Dissymmetry Factor Emitted from Luminogen-Bonded and Electrically Controlled Polymer-Stabilized Cholesteric Liquid Crystals.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	3
242	Luminescence Enhancement, Encapsulation, and Patterning of Quantum Dots Toward Display Applications. <i>Advanced Functional Materials</i> , <b>2022</b> , 32, 2109472	15.6	3
241	Freestanding Helical Nanostructured Chiro-Photonic Crystal Film and Anticounterfeiting Label Enabled by a Cholesterol-Grafted Light-Driven Molecular Motor.. <i>Small Methods</i> , <b>2022</b> , e2200269	12.8	2
240	Sub-5 nm homeotropically aligned columnar structures of hybrids constructed by porphyrin and oligo(dimethylsiloxane). <i>Chemical Communications</i> , <b>2021</b> ,	5.8	2
239	Remotely Controlling Drug Release by Light-Responsive Cholesteric Liquid Crystal Microcapsules Triggered by Molecular Motors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	3
238	SnS Nanosheets Anchored on Nitrogen and Sulfur Co-Doped MXene Sheets for High-Performance Potassium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 17668-17676	9.5	13
237	A Unique Gas-Migration, Trapping, and Emitting Strategy for High-Loading Single Atomic Cd Sites for Carbon Dioxide Electroreduction. <i>Nano Letters</i> , <b>2021</b> , 21, 4262-4269	11.5	13
236	3D Chiral Photonic Nanostructures Based on Blue-Phase Liquid Crystals. <i>Small Science</i> , <b>2021</b> , 1, 2100007		20
235	Light-Driven Self-Oscillating Behavior of Liquid-Crystalline Networks Triggered by Dynamic Isomerization of Molecular Motors. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103311	15.6	3
234	Effects of terpene alcohol dopant on the morphology and electro-optical properties of polymer-dispersed liquid-crystal composite films. <i>Polymers for Advanced Technologies</i> , <b>2021</b> , 32, 4153-4161	3.2	3
233	Programmable Chromism and Photoluminescence of Spiropyran-Based Liquid Crystalline Polymer with Tunable Glass Transition Temperature. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 19555-19561	3.6	
232	Programmable Chromism and Photoluminescence of Spiropyran-Based Liquid Crystalline Polymer with Tunable Glass Transition Temperature. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 19406-19412	16.4	4
231	Fluorescence enhancement of quantum dots from the titanium dioxide/liquid crystals/polymer composite films. <i>Liquid Crystals</i> , <b>2021</b> , 48, 322-335	2.3	8
230	Synthesis, characterisation and comparative study of the hydroxyl, acrylate and vinyl-ether terminated cyanobiphenyl bridged with different spacer lengths. <i>Liquid Crystals</i> , <b>2021</b> , 48, 168-181	2.3	0
229	Effects of the methacrylate monomers with different end groups on the morphologies, electro-optical and mechanical properties of polymer dispersed liquid crystals composite films. <i>Liquid Crystals</i> , <b>2021</b> , 48, 722-734	2.3	9
228	Humidity-Responsive Liquid Crystalline Network Actuator Showing Synergistic Fluorescence Color Change Enabled by Aggregation Induced Emission Luminogen. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2010578	15.6	21
227	Effects of multifunctional acrylates and thiols on the morphology and electro-optical properties of polymer-dispersed liquid crystal films. <i>Liquid Crystals</i> , <b>2021</b> , 48, 1457-1466	2.3	9

226	Ultrastable liquid crystalline blue phase from molecular synergistic self-assembly. <i>Nature Communications</i> , <b>2021</b> , 12, 1440	17.4	13
225	Fluorescent Azobenzene-Containing Compounds: From Structure to Mechanism. <i>Crystals</i> , <b>2021</b> , 11, 840	2.3	6
224	40.1: Invited Paper: Free-standing Cholesteric Liquid Crystal Polymeric Label with Responsive Visible and Fluorescence Patterns. <i>Digest of Technical Papers SID International Symposium</i> , <b>2021</b> , 52, 495-495	9.5	95
223	Photochemically and Photothermally Controllable Liquid Crystalline Network and Soft Walkers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 3221-3227	9.5	8
222	Study on electro-optical and adhesion properties of polymer dispersed liquid crystal films from thiol-ene click reaction. <i>Liquid Crystals</i> , <b>2021</b> , 48, 2188-2199	2.3	2
221	Light-Driven Liquid Crystalline Networks and Soft Actuators with Degree-of-Freedom-Controlled Molecular Motors. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000252	15.6	21
220	Boosting Efficiency and Curtailing the Efficiency Roll-Off in Green Perovskite Light-Emitting Diodes via Incorporating Ytterbium as Cathode Interface Layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 18761-18768	9.5	17
219	Near-Infrared Photodriven Self-Sustained Oscillation of Liquid-Crystalline Network Film with Predesigned Polydopamine Coating. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906319	24	51
218	Recent Advances on Water-Splitting Electrocatalysis Mediated by Noble-Metal-Based Nanostructured Materials. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903120	21.8	273
217	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. <i>Journal of Modern Optics</i> , <b>2020</b> , 67, 682-691	1.1	9
216	Organic-inorganic hybrid liquid crystals of azopyridine-enabled halogen-bonding towards sensing in aquatic environment.. <i>RSC Advances</i> , <b>2020</b> , 10, 35873-35877	3.7	5
215	Recent Advances in The Polymer Dispersed Liquid Crystal Composite and Its Applications. <i>Molecules</i> , <b>2020</b> , 25,	4.8	28
214	Fluorescence enhancement and encapsulation of quantum dots via a novel crosslinked vinyl-ether liquid crystals/polymer composite film. <i>Polymer</i> , <b>2020</b> , 207, 122834	3.9	10
213	Sunlight-Driven Self-Organized Helical Superstructure Chromotropic Device. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2001207	8.1	3
212	Humidity-Responsive Blue Phase Liquid-Crystalline Film with Reconfigurable and Tailored Visual Signals. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2004610	15.6	18
211	Effect of Polymer Network Topology on the Electro-Optical Performance of Polymer Stabilized Liquid Crystal (PSLC) Devices. <i>Macromolecular Chemistry and Physics</i> , <b>2020</b> , 221, 2000185	2.6	7
210	An electrically light-transmittance-switchable film with a low driving voltage based on liquid crystal/polymer composites. <i>Liquid Crystals</i> , <b>2020</b> , 47, 106-113	2.3	15
209	A facile route towards controllable electric-optical performance of polymer-dispersed liquid crystal via the implantation of liquid crystalline epoxy network in conventional resin. <i>Polymer</i> , <b>2019</b> , 167, 67-77	3.9	30

208	Ethanol-Precipitable, Silica-Passivated Perovskite Nanocrystals Incorporated into Polystyrene Microspheres for Long-Term Storage and Reusage. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 2825-2829	3.6	10
207	Electro-Optical Properties of a Polymer Dispersed and Stabilized Cholesteric Liquid Crystals System Constructed by a Stepwise UV-Initiated Radical/Cationic Polymerization. <i>Crystals</i> , <b>2019</b> , 9, 282	2.3	12
206	Fabrication of a controllable anti-peeping device with a laminated structure of microlouver and polymer dispersed liquid crystals film. <i>Liquid Crystals</i> , <b>2019</b> , 46, 2235-2244	2.3	14
205	Broadband Reflection in Polymer-Stabilized Cholesteric Liquid Crystals via Thiol-Acrylate Chemistry. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6698-6702	16.4	33
204	Evolution of white organic light-emitting devices: from academic research to lighting and display applications. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 970-1031	7.8	45
203	Broadband Reflection in Polymer-Stabilized Cholesteric Liquid Crystals via Thiol-Acrylate Chemistry. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6770-6774	3.6	7
202	Reversibly and Irreversibly Humidity-Responsive Motion of Liquid Crystalline Network Gated by SO <sub>2</sub> Gas. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900013	15.6	19
201	A study on the polymer structures and electro-optical properties of epoxy-mercaptan-based polymer dispersed liquid crystal films. <i>Liquid Crystals</i> , <b>2019</b> , 46, 1718-1726	2.3	28
200	High-Efficiency and Reliable Smart Photovoltaic Windows Enabled by Multiresponsive Liquid Crystal Composite Films and Semi-Transparent Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900720	21.8	15
199	Smart Photovoltaic Windows: High-Efficiency and Reliable Smart Photovoltaic Windows Enabled by Multiresponsive Liquid Crystal Composite Films and Semi-Transparent Perovskite Solar Cells (Adv. Energy Mater. 33/2019). <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1970129	21.8	
198	Switchable anti-peeping film for liquid crystal displays from polymer dispersed liquid crystals. <i>Liquid Crystals</i> , <b>2019</b> , 46, 718-724	2.3	17
197	Patterning Smectic Liquid Crystals for OFETs at Low Temperature. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1804838	15.6	9
196	Electrically switchable light transmittance of epoxy-mercaptan polymer/nematic liquid crystal composites with controllable microstructures. <i>Polymer</i> , <b>2019</b> , 160, 53-64	3.9	30
195	A UV-Responsive Multifunctional Photoelectric Device Based on Discotic Columnar Nanostructures and Molecular Motors. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806016	24	7
194	Ethanol-Precipitable, Silica-Passivated Perovskite Nanocrystals Incorporated into Polystyrene Microspheres for Long-Term Storage and Reusage. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2799-2803	16.4	21
193	Periodic electro-optical characteristics of ion-doped Smectic A phase liquid crystals driven by a low-frequency electric field. <i>Liquid Crystals</i> , <b>2019</b> , 46, 905-912	2.3	2
192	Carbon-Oxygen-Bridged Ladder-Type Building Blocks for Highly Efficient Nonfullerene Acceptors. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804790	24	117
191	Photoresponsive iodine-bonded liquid crystals based on azopyridine derivatives with a low phase-transition temperature. <i>Liquid Crystals</i> , <b>2019</b> , 46, 37-44	2.3	14

190	Patterning of Discotic Liquid Crystals with Tunable Molecular Orientation for Electronic Applications. <i>Small</i> , <b>2018</b> , 14, e1800557	11	17
189	A Thieno[3,2-c]Isoquinolin-5(4H)-One Building Block for Efficient Thick-Film Solar Cells. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800397	21.8	33
188	Regulating content of thiol/LC and UV intensity to optimize morphology and electro-optical performance of polymer-dispersed liquid crystal. <i>Liquid Crystals</i> , <b>2018</b> , 45, 1726-1733	2.3	9
187	Optical and thermal properties of Fe <sub>3</sub> O <sub>4</sub> nanoparticle-doped cholesteric liquid crystals. <i>Liquid Crystals</i> , <b>2018</b> , 45, 1111-1117	2.3	10
186	Sulfur/Oxygen Codoped Porous Hard Carbon Microspheres for High-Performance Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800171	21.8	272
185	Effects of crosslinking agent/diluents/thiol on morphology of the polymer matrix and electro-optical properties of polymer-dispersed liquid crystal. <i>Liquid Crystals</i> , <b>2018</b> , 45, 728-735	2.3	32
184	An electrically light-transmittance-controllable film with a low-driving voltage from a coexistent system of polymer-dispersed and polymer-stabilised cholesteric liquid crystals. <i>Liquid Crystals</i> , <b>2018</b> , 45, 1854-1860	2.3	21
183	Effect of biaxiality on chirality in chiral nematic liquid crystals. <i>Soft Matter</i> , <b>2018</b> , 14, 6530-6536	3.6	4
182	A novel light diffuser based on the combined morphology of polymer networks and polymer balls in a polymer dispersed liquid crystals film.. <i>RSC Advances</i> , <b>2018</b> , 8, 21690-21698	3.7	22
181	Active and passive modulation of solar light transmittance in a hybrid thermochromic soft-matter system for energy-saving smart window applications. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 7054-7062	7.1	34
180	Bias-Polarity Dependent Bidirectional Modulation of Photonic Bandgap in a Nanoengineered 3D Blue Phase Polymer Scaffold for Tunable Laser Application. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800409	8.1	26
179	Cyano terminated tolane compounds for polymer dispersed liquid crystal application: relationship between cyano terminated tolane based molecular structures and electro-optical properties. <i>Liquid Crystals</i> , <b>2018</b> , 45, 1771-1782	2.3	10
178	The physical properties of alkene-terminated liquid crystal molecules/E8 mixture and the electro-optical properties as they doped in polymer-dispersed liquid crystal systems. <i>Liquid Crystals</i> , <b>2018</b> , 45, 1118-1128	2.3	11
177	Stimuli-Directed Dynamic Reconfiguration in Self-Organized Helical Superstructures Enabled by Chemical Kinetics of Chiral Molecular Motors. <i>Advanced Science</i> , <b>2018</b> , 5, 1700613	13.6	47
176	Preparation of polymer-dispersed liquid crystal doped with indium tin oxide nanoparticles. <i>Liquid Crystals</i> , <b>2018</b> , 45, 1068-1077	2.3	19
175	An all-liquid crystal based high-performance laser protection system via linear/nonlinear dual-mechanisms. <i>Chemical Communications</i> , <b>2018</b> , 54, 397-400	5.8	9
174	Traps induced memory effect in rubrene single crystal phototransistor. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 103301	3.4	16
173	Precipitation polymerization in liquid crystals to prepare uniform epoxy microspheres. <i>Polymer</i> , <b>2018</b> , 154, 291-297	3.9	3

172	Polysiloxane-Based Side Chain Liquid Crystal Polymers: From Synthesis to Structure?Phase Transition Behavior Relationships. <i>Polymers</i> , <b>2018</b> , 10,	4.5	15
171	Effects of polymer micro-structures on the thermo-optical properties of a flexible soft-mater film based on liquid crystals / polymer composite. <i>Polymer</i> , <b>2018</b> , 146, 161-168	3.9	17
170	Reversible light-directed self-organized 3D liquid crystalline photonic nanostructures doped with azobenzene-functionalized bent-shaped molecules. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 7740-7744	7.1	15
169	Programmable electro-optical performances in a dual-frequency liquid crystals / polymer composite system. <i>Polymer</i> , <b>2018</b> , 149, 164-168	3.9	12
168	Unconventional High-Performance Laser Protection System Based on Dichroic Dye-Doped Cholesteric Liquid Crystals. <i>Scientific Reports</i> , <b>2017</b> , 7, 42955	4.9	11
167	Effects of polymer network on electrically induced reflection band broadening of cholesteric liquid crystals. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2017</b> , 55, 835-846	2.6	18
166	Reprogrammable Assembly of Molecular Motor on Solid Surfaces via Dynamic Bonds. <i>Small</i> , <b>2017</b> , 13, 1700480	11	7
165	Liquid Crystal Elastomer Actuators from Anisotropic Porous Polymer Template. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1600699	4.8	14
164	A Facile All-Solution-Processed Surface with High Water Contact Angle and High Water Adhesive Force. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23246-23254	9.5	13
163	Optical intensity-driven reversible photonic bandgaps in self-organized helical superstructures with handedness inversion. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 3678-3683	7.1	33
162	Preparation of a Thermally Light-Transmittance-Controllable Film from a Coexistent System of Polymer-Dispersed and Polymer-Stabilized Liquid Crystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 2942-2947	9.5	83
161	Broadband reflection in polymer stabilized cholesteric liquid crystal films with stepwise photo-polymerization. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 2353-2358	3.6	22
160	Effects of the fluorinated liquid crystal molecules on the electro-optical properties of polymer dispersed liquid crystal films. <i>Liquid Crystals</i> , <b>2017</b> , 44, 2301-2310	2.3	30
159	Asymmetric Tunable Photonic Bandgaps in Self-Organized 3D Nanostructure of Polymer-Stabilized Blue Phase I Modulated by Voltage Polarity. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1702261	15.6	92
158	A roll-to-roll process for multi-responsive soft-matter composite films containing CsWO nanorods for energy-efficient smart window applications. <i>Nanoscale Horizons</i> , <b>2017</b> , 2, 319-325	10.8	69
157	Stabilized electrically induced Helfrich deformation and enhanced color tuning in cholesteric liquid crystals. <i>Soft Matter</i> , <b>2017</b> , 13, 8728-8735	3.6	7
156	Dual-Band Modulation of Visible and Near-Infrared Light Transmittance in an All-Solution-Processed Hybrid Micro-Nano Composite Film. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 40810-40819	9.5	44
155	A temperature and electric field-responsive flexible smart film with full broadband optical modulation. <i>Materials Horizons</i> , <b>2017</b> , 4, 878-884	14.4	88



154	The regulation of polymer structures and electro-optical properties of epoxy-mercaptan-based phase separated liquid crystals / polymer composites. <i>Polymer</i> , <b>2017</b> , 127, 1-7	3.9	27
153	Fast Growth and Broad Applications of 25-Inch Uniform Graphene Glass. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603428	24	75
152	Effects of functionality of thiol monomer on electro-optical properties of polymer-dispersed liquid crystal films. <i>Liquid Crystals</i> , <b>2017</b> , 44, 1086-1092	2.3	31
151	Influence of shorter backbone and cholesteric monomer percentage on the phase structures and thermal-optical properties of linear siloxane tetramers containing cholesterol and benzene methyl ether groups. <i>RSC Advances</i> , <b>2016</b> , 6, 87502-87512	3.7	5
150	Thermally stable transparent sol-gel based active siloxane-oligomer materials with tunable high refractive index and dual reactive groups. <i>RSC Advances</i> , <b>2016</b> , 6, 70825-70831	3.7	11
149	Nonlinear Optical Properties of Porphyrin Derivatives with Electron-donating or Electron-withdrawing Substituents. <i>Chinese Journal of Chemistry</i> , <b>2016</b> , 34, 381-386	4.9	8
148	Facet-dependent Cu <sub>2</sub> O nanocrystals in manipulating alignment of liquid crystals and photomechanical behaviors. <i>Nano Research</i> , <b>2016</b> , 9, 2581-2589	10	7
147	Thermally bandwidth-controllable reflective liquid crystal film from rupture and self-assembly of hydrogen bonds. <i>Liquid Crystals</i> , <b>2016</b> , 43, 1732-1738	2.3	9
146	Synthesis and self-assembly behaviours of side-chain smectic thiol-ene polymers based on the polysiloxane backbone. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 1425-1440	7.1	22
145	Multicolored Electrochromic Device from the Reversible Aggregation and Decentralization of Silver Nanoparticles. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 106-111	8.1	12
144	Polymeric infrared reflective thin films with ultra-broad bandwidth. <i>Liquid Crystals</i> , <b>2016</b> , 43, 750-757	2.3	53
143	Effects of thiophene-based mesogen terminated with branched alkoxy group on the temperature range and electro-optical performances of liquid crystalline blue phases. <i>Liquid Crystals</i> , <b>2016</b> , 43, 524-534	2.3	17
142	Blue phase liquid crystals affected by graphene oxide modified with aminoazobenzol group. <i>Liquid Crystals</i> , <b>2016</b> , 43, 573-580	2.3	18
141	Third-order nonlinear optical properties of a novel series of azobenzene liquid crystal derivatives. <i>Molecular Crystals and Liquid Crystals</i> , <b>2016</b> , 630, 1-5	0.5	9
140	Elastomeric Conducting Polyaniline Formed Through Topological Control of Molecular Templates. <i>ACS Nano</i> , <b>2016</b> , 10, 5991-8	16.7	18
139	Matched elastic constants for a perfect helical planar state and a fast switching time in chiral nematic liquid crystals. <i>Soft Matter</i> , <b>2016</b> , 12, 4483-8	3.6	11
138	Double UV polymerisation with variable temperature-controllable selective reflection of polymer-stabilised liquid crystal (PSLC) composites. <i>Liquid Crystals</i> , <b>2016</b> , 43, 1299-1306	2.3	10
137	A greener electrochromic liquid crystal based on ionic liquid electrolytes. <i>Liquid Crystals</i> , <b>2016</b> , 43, 1110-1119	1.1	7

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| 136 | Synthesis and characterisation of liquid crystalline anthraquinone dyes with excellent dichroism and solubility. <i>Liquid Crystals</i> , <b>2016</b> , 43, 1307-1314                                     | 2.3 | 6  |
| 135 | Preparation and optical properties of FeO nanoparticles-doped blue phase liquid crystal. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 29028-29032                                       | 3.6 | 23 |
| 134 | Third-order nonlinear optical properties of a novel series of D- $\pi$ A pyrene-aldehyde derivatives. <i>Journal of Nonlinear Optical Physics and Materials</i> , <b>2016</b> , 25, 1650014               | 0.8 | 30 |
| 133 | Effect of bent-shape and calamitic-shape of hydrogen-bonded mesogens on the liquid crystalline properties. <i>Liquid Crystals</i> , <b>2015</b> , 42, 1191-1200   | 2.3 | 9  |
| 132 | Bistable polymer-dispersed cholesteric liquid crystal thin film enabled by a stepwise polymerization. <i>RSC Advances</i> , <b>2015</b> , 5, 58959-58965  | 3.7 | 14 |
| 131 | Reverse-mode polymer dispersed liquid crystal films prepared by patterned polymer walls. <i>Liquid Crystals</i> , <b>2015</b> , 42, 1320-1328   | 2.3 | 20 |
| 130 | Study on the electro-optical properties of polyimide-based polymer-dispersed liquid crystal films. <i>Liquid Crystals</i> , <b>2015</b> , 42, 1689-1697   | 2.3 | 18 |
| 129 | Electrically controllable microstructures and dynamic light scattering properties of liquid crystals with negative dielectric anisotropy. <i>RSC Advances</i> , <b>2015</b> , 5, 33489-33495              | 3.7 | 18 |
| 128 | Photoinduced polymer-stabilised chiral nematic liquid crystal films reflecting both right- and left-circularly polarised light. <i>Liquid Crystals</i> , <b>2015</b> , 42, 1120-1123                      | 2.3 | 15 |
| 127 | Effective increase in the refractive index of novel transparent silicone hybrid films by introduction of functionalized silicon nanoparticles. <i>RSC Advances</i> , <b>2015</b> , 5, 62128-62133         | 3.7 | 3  |
| 126 | Fabrication of nanofibres with azopyridine compounds in various acids and solvents. <i>RSC Advances</i> , <b>2015</b> , 5, 31219-31225  | 3.7 | 11 |
| 125 | Pyrene-Based Small Molecular Nonlinear Optical Materials Modified by "Click-Reaction" <i>Journal of Electronic Materials</i> , <b>2015</b> , 44, 2883-2889  | 1.9 | 14 |
| 124 | Photothermal effect of azopyridine compounds and their applications. <i>RSC Advances</i> , <b>2015</b> , 5, 4675-4680   | 3.7 | 25 |
| 123 | Studies on the electro-optical and the light-scattering properties of PDLC films with the size gradient of the LC droplets. <i>Liquid Crystals</i> , <b>2015</b> , 42, 390-396                            | 2.3 | 34 |
| 122 | Electro-switchable characteristics of broadband absorptive films based on multi-dichroic dye-doped nematic liquid crystal. <i>Liquid Crystals</i> , <b>2015</b> , 42, 309-315                             | 2.3 | 5  |
| 121 | Electrically tunable properties of wideband-absorptive and reflection-selective films based on multi-dichroic dye-doped cholesteric liquid crystals. <i>Liquid Crystals</i> , <b>2015</b> , 42, 1698-1705 | 2.3 | 15 |
| 120 | Photo-induced handedness inversion with opposite-handed cholesteric liquid crystal. <i>Optics Express</i> , <b>2015</b> , 23, 22658-66  | 3.3 | 14 |
| 119 | Study on the effects of isotropic cross-linked pristine morphology and electro-optical properties of PDLC films. <i>Polymer Bulletin</i> , <b>2015</b> , 72, 2917-2930                                    | 2.4 | 6  |



118	A novel soft matter composite material for energy-saving smart windows: from preparation to device application. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 10738-10746	13	48
117	Multi-shape-memory effects in a wavelength-selective multicomposite. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13953-13961	13	53
116	Effects of donor and acceptor on optoelectronic performance for porphyrin derivatives: Nonlinear optical properties and dye-sensitized solar cells. <i>Chemical Research in Chinese Universities</i> , <b>2015</b> , 31, 992-996	3.7	6
115	Synthesis and co-assembly of gold nanoparticles functionalized by a pyrene-thiol derivative. <i>RSC Advances</i> , <b>2015</b> , 5, 140-145	3.7	6
114	Graphene Oxide Modified with Mesogenic Groups and Its Effect in Broad-Band Reflectors. <i>ChemPlusChem</i> , <b>2015</b> , 80, 673-678	2.8	7
113	Influence of different spacer length and cholesteric monomer percentage on phase behaviors and thermo-optical properties of cyclic siloxane tetramers containing cholesteric and biphenyl groups. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 4927-4937	4.3	5
112	Photoinduced hyper-reflective laminated liquid crystal film with simultaneous multicolor reflection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 1380-4	9.5	29
111	Controllable alignment of liquid crystals based on the surface relief gratings from a photocross-linkable organic monomer. <i>Liquid Crystals</i> , <b>2014</b> , 41, 1510-1515	2.3	3
110	Broadband reflection of polymer-stabilized chiral nematic liquid crystals induced by a chiral azobenzene compound. <i>Chemical Communications</i> , <b>2014</b> , 50, 691-4	5.8	65
109	Light-induced wide range color switching of liquid crystal blue phase doped with hydrogen-bonded chiral azobenzene switches. <i>RSC Advances</i> , <b>2014</b> , 4, 28597-28600	3.7	30
108	Photoresponsive liquid crystals based on halogen bonding of azopyridines. <i>Chemical Communications</i> , <b>2014</b> , 50, 9647-9	5.8	86
107	Triple stimuli-responsive polymers based on pyrene-functionalized poly(dimethylaminoethyl methacrylate): synthesis, self-assembled nanoparticles and controlled release. <i>Colloid and Polymer Science</i> , <b>2014</b> , 292, 2735-2744	2.4	8
106	Triple stimuli-responsive crosslinked polymeric nanoparticles for controlled release. <i>RSC Advances</i> , <b>2014</b> , 4, 35757	3.7	18
105	Characterization and Morphology of Polymer-Dispersed Liquid Crystal Films. <i>Soft Materials</i> , <b>2014</b> , 12, 339-345	1.7	23
104	Stabilization of blue phases by hydrogen-bonded bent-shaped and T-shaped molecules featuring a branched terminal group. <i>Soft Matter</i> , <b>2013</b> , 9, 10186	3.6	29
103	Influence of the multi-functional epoxy monomers structure on the electro-optical properties and morphology of polymer-dispersed liquid crystal films. <i>Polymer Bulletin</i> , <b>2013</b> , 70, 2967-2980	2.4	18
102	Multiple stimuli-responsive polymeric micelles for controlled release. <i>Soft Matter</i> , <b>2013</b> , 9, 370-373	3.6	99
101	Light-controllable reflection wavelength of blue phase liquid crystals doped with azobenzene-dimers. <i>Chemical Communications</i> , <b>2013</b> , 49, 10097-9	5.8	69

100	Polymer-stabilized nanoparticle-enriched blue phase liquid crystals. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 6526	7.1	62
99	Effects of a triethylamine catalyst on curing time and electro-optical properties of PDLC films. <i>RSC Advances</i> , <b>2013</b> , 3, 23533	3.7	19
98	PEG/lecithin liquid-crystalline composite hydrogels for quasi-zero-order combined release of hydrophilic and lipophilic drugs. <i>RSC Advances</i> , <b>2013</b> , 3, 22927	3.7	15
97	Electro-responsive 1-D nanomaterial driven broad-band reflection in chiral nematic liquid crystals. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 216-219	7.1	18
96	Effect of lateral fluoro substituents of rodlike tolane cyano mesogens on blue phase temperature ranges. <i>Soft Matter</i> , <b>2013</b> , 9, 1172-1177	3.6	40
95	Effects of symmetrically 2,5-disubstituted 1,3,4-oxadiazoles on the temperature range of liquid crystalline blue phases: a systematic study. <i>Liquid Crystals</i> , <b>2013</b> , 40, 354-367	2.3	42
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91	Preparation and electro-optical properties of polymer dispersed liquid crystal films with relatively low liquid crystal content. <i>Polymers for Advanced Technologies</i> , <b>2013</b> , 24, 453-459	3.2	27
90	Synthesis and characterization of thienyl-substituted pyridinium salts for second-order nonlinear optics. <i>CrystEngComm</i> , <b>2012</b> , 14, 1031-1037	3.3	29
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88	Wide blue phase range and electro-optical performances of liquid crystalline composites doped with thiophene-based mesogens. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 2383-2386		70
87	Photoresponsive behaviors of smectic liquid crystals tuned by an azobenzene chromophore. <i>RSC Advances</i> , <b>2012</b> , 2, 487-493	3.7	22
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8	Effects of chemically functionalized TiO <sub>2</sub> nanoparticles on the UV -shielding characteristics of polymer-dispersed liquid crystals. <i>Polymers for Advanced Technologies</i> ,	3.2	1
7	Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> Quantum Dots/Few-Layered Ti <sub>3</sub> C <sub>2</sub> Nanosheets with Enhanced K <sup>+</sup> Diffusion Dynamics for Efficient Potassium Ion Storage. <i>Advanced Functional Materials</i> ,2108574	15.6	3
6	Modulation of Chirality and Intensity of Circularly Polarized Luminescence Emitting from Cholesteric Liquid Crystals Triggered by Photoresponsive Molecular Motor. <i>Advanced Optical Materials</i> ,2101910	8.1	5
5	Electrically modulated large range tuning of self-assembled photonic bandgaps in polymer-stabilised blue phases. <i>Liquid Crystals</i> ,1-9	2.3	1
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3	Liquid Crystalline Composite Stabilized by Epoxy Polymer with Boscastle-Like Morphology for Energy-Efficient Smart Windows with High Stability. <i>Macromolecular Materials and Engineering</i> ,2100991	3.9	1
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1	TiO <sub>2</sub> doped polymer dispersed and stabilised liquid crystal smart film with high contrast ratio, low driving voltage and short response time. <i>Liquid Crystals</i> ,1-10	2.3	0