

Zhou Yang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7769394/zhou-yang-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

285
papers

10,129
citations

47
h-index

92
g-index

300
ext. papers

12,046
ext. citations

6.3
avg, IF

6.39
L-index

#	Paper	IF	Citations
285	Acridine-based dyes as high-performance near-infrared Raman reporter molecules for cell imaging.. <i>RSC Advances</i> , 2022 , 12, 3380-3385	3.7	
284	Engineering Cu-CuFe ₂ O ₄ nanoenzyme for hypoxia-relief and GSH-depletion enhanced chemodynamic/sonodynamic therapy. <i>Chemical Engineering Journal</i> , 2022 , 435, 135083	14.7	4
283	Detection of glucose in diabetic tears by using gold nanoparticles and MXene composite surface-enhanced Raman scattering substrates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 266, 120432	4.4	5
282	Quantification of uric acid concentration in tears by using PDMS inverse opal structure surface-enhanced Raman scattering substrates: Application in hyperuricemia.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 278, 121326	4.4	1
281	Vitrimer enhanced carbazole-based organic room-temperature phosphorescent materials. <i>New Journal of Chemistry</i> , 2021 , 46, 276-281	3.6	3
280	Sustained IGF-1 delivery ameliorates effects of chronic denervation and improves functional recovery after peripheral nerve injury and repair. <i>Biomaterials</i> , 2021 , 280, 121244	15.6	2
279	Engineering Structural Metal-Organic Framework for Hypoxia-Tolerant Type I Photodynamic Therapy against Hypoxic Cancer 2021 , 3, 781-789		6
278	Glutathione-Responsive Biodegradable Nanoplatform with Endogenous Esterase-Triggered Nitric Oxide Release for Gas Therapy and Enhanced Chemotherapy.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 5212-5221	4.1	0
277	Excess Ion-Induced Efficiency Roll-Off in High-Efficiency Perovskite Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28546-28554	9.5	9
276	Fluorescence enhancement of quantum dots from the titanium dioxide/liquid crystals/polymer composite films. <i>Liquid Crystals</i> , 2021 , 48, 322-335	2.3	8
275	Synthesis, characterisation and comparative study of the hydroxyl, acrylate and vinyl-ether terminated cyanobiphenyl bridged with different spacer lengths. <i>Liquid Crystals</i> , 2021 , 48, 168-181	2.3	0
274	An Antimony(III) Fluoride Oxalate with Large Birefringence. <i>Chemistry - A European Journal</i> , 2021 , 27, 4557-4560	4.8	6
273	An organic-inorganic hybrid birefringent material with diverse functional groups. <i>Chemical Communications</i> , 2021 , 57, 6668-6671	5.8	4
272	Zirconia/phenylsiloxane nano-composite for LED encapsulation with high and stable light extraction efficiency.. <i>RSC Advances</i> , 2021 , 11, 18326-18332	3.7	1
271	Non-Conjugated Deep-Ultraviolet Nonlinear Optical Crystal KZn(SO)(HSO)F. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 8280-8284	6.4	4
270	Highly Efficient Spin-Filtering Transport in Chiral Hybrid Copper Halides. <i>Angewandte Chemie</i> , 2021 , 133, 23770	3.6	1
269	Highly Efficient Spin-Filtering Transport in Chiral Hybrid Copper Halides. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23578-23583	16.4	5

268	Peptide-Based Nanoparticles Mimic Fibrillogenesis of Laminin in Tumor Vessels for Precise Embolization. <i>ACS Nano</i> , 2020 , 14, 7170-7180	16.7	21
267	Smart Windows: 3D Printed Smart Windows for Adaptive Solar Modulations (Advanced Optical Materials 11/2020). <i>Advanced Optical Materials</i> , 2020 , 8, 2070044	8.1	
266	Synergistic plasmon resonance coupling and light capture in ordered nanoarrays as ultrasensitive and reproducible SERS substrates. <i>Nanoscale</i> , 2020 , 12, 18056-18066	7.7	16
265	Application of double click to prepare near-infrared absorbing dye for photo-thermal tuning of cholesteric liquid crystal. <i>Reactive and Functional Polymers</i> , 2020 , 151, 104549	4.6	4
264	3D Printed Smart Windows for Adaptive Solar Modulations. <i>Advanced Optical Materials</i> , 2020 , 8, 2000013	8.1	12
263	Electrochemical Performance of B-Type Vanadium Dioxide as a Sodium-Ion Battery Cathode: A Combined Experimental and Theoretical Study. <i>ChemElectroChem</i> , 2020 , 7, 3151-3159	4.3	1
262	Upconversion Nanoparticle-Induced Multimode Photodynamic Therapy Based on a Metal-Organic Framework/Titanium Dioxide Nanocomposite. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12600-12608	9.5	42
261	Preparation of Liquid Crystal Film Capable of Shielding Visible Light Band by Two-Phase Coexistence. <i>Journal of Polymer Science</i> , 2020 , 58, 599-606	2.4	3
260	Low-temperature interfacial engineering for flexible CsPbI ₂ Br perovskite solar cells with high performance beyond 15%. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5308-5314	13	26
259	Synthesis and Characterization of New Benzo[e]Indol Salts for Second-Order Nonlinear Optics. <i>Crystals</i> , 2020 , 10, 242	2.3	3
258	Double-click synthesis of polysiloxane third-order nonlinear optical polymers with donor-acceptor chromophores. <i>Polymer Chemistry</i> , 2020 , 11, 3046-3053	4.9	3
257	Crystal structure of bis[(2,4-dihydroxybenzoato- λ (O,O'))-(1,10-phenanthroline- λ (N,N'))]-di-lead(II)-4-hydroxybenzoato- λ (O,O')- λ (O,O')-monohydrate, C ₅₂ H ₃₆ N ₄ O ₁₂ Pb ₂ · H ₂ O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2020 , 235, 1413-1415	0.2	
256	The crystal structure of 2,4-dihydroxybenzoic acid-biotinamide-methanol (1/1/1), C ₁₅ H ₁₈ N ₂ O ₆ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2020 , 235, 1413-1415	0.2	
255	Relaxor-like dielectric behavior and its effect on energy storage performance in P(TFE-HFP-VDF) terpolymers. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	2
254	Role of Excess FAI in Formation of High-Efficiency FAPbI ₃ -Based Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2020 , 30, 1906875	15.6	23
253	Schiff base derivative doped chiral nematic liquid crystals with a large wavelength shift driven by temperature and light. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 561-566	7.1	5
252	A polyphenol-metal nanoparticle platform for tunable release of liraglutide to improve blood glycaemic control and reduce cardiovascular complications in a mouse model of type II diabetes. <i>Journal of Controlled Release</i> , 2020 , 318, 86-97	11.7	18
251	The photochromic, electrochemical and third-order nonlinear optical properties of the novel naphthopyran derivatives. <i>Dyes and Pigments</i> , 2020 , 183, 108689	4.6	1

250	A strong zero-phonon line red phosphor BaNbF7:Mn4+ for white LEDs. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3371-3378	6.8	8
249	Reflective Band Memory Effect of Cholesteric Polymer Networks Based on Washout/Refilling Method. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 1900572	2.6	8
248	Fluorescence enhancement and encapsulation of quantum dots via a novel crosslinked vinyl-ether liquid crystals/polymer composite film. <i>Polymer</i> , 2020 , 207, 122834	3.9	10
247	Photoacoustic effect and controlled release of azo and Schiff base derivatives modified by click reagents under the NIR light. <i>Pigment and Resin Technology</i> , 2020 , 49, 331-338	1	1
246	Enhanced cancer therapy by hypoxia-responsive copper metal-organic frameworks nanosystem. <i>Biomaterials</i> , 2020 , 258, 120278	15.6	50
245	Photoacoustic effect of azo derivatives modified by click reagents and parceled by liposomes. <i>Dyes and Pigments</i> , 2020 , 172, 107822	4.6	2
244	Network morphology and electro-optical characterisations of epoxy-based polymer stabilised liquid crystals. <i>Liquid Crystals</i> , 2020 , 47, 481-488	2.3	13
243	Synthesis and application of reversible fluorescent photochromic molecules based on tetraphenylethylene and photochromic groups. <i>New Journal of Chemistry</i> , 2019 , 43, 617-621	3.6	21
242	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> , 2019 , 167, 67-77	3.9	30
241	Novel application of NIR photoacoustic absorbing dyes in thermosensitive micelles. <i>Dyes and Pigments</i> , 2019 , 164, 319-326	4.6	
240	Zinc porphyrin-polydopamine core-shell nanostructures for enhanced photodynamic/photothermal cancer therapy. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1786-1792	7.8	13
239	Agent-assisted VSSe ternary alloy single crystals as an efficient stable electrocatalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15714-15721	13	14
238	An Ultra-Broadband Near-Infrared Cr3+-Activated Gallogermanate Mg3Ga2GeO8 Phosphor as Light Sources for Food Analysis. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 1046-1053	4	57
237	A Bacteriochlorin-Based Metal-Organic Framework Nanosheet Superoxide Radical Generator for Photoacoustic Imaging-Guided Highly Efficient Photodynamic Therapy. <i>Advanced Science</i> , 2019 , 6, 1900530	13.6	75
236	A pH-responsive zinc (II) metalated porphyrin for enhanced photodynamic/photothermal combined cancer therapy. <i>Science China Materials</i> , 2019 , 62, 1199-1209	7.1	29
235	Structure and Luminescence Properties of Mn-Activated KTaOF Red Phosphor for White LEDs. <i>Inorganic Chemistry</i> , 2019 , 58, 4412-4419	5.1	40
234	Sustained release of exendin-4 from tannic acid/Fe (III) nanoparticles prolongs blood glycemic control in a mouse model of type II diabetes. <i>Journal of Controlled Release</i> , 2019 , 301, 119-128	11.7	37
233	Cationic photopolymerization of liquid crystalline epoxide in mesogenic solvents and its application in polymer-stabilized liquid crystals. <i>Polymer</i> , 2019 , 172, 231-238	3.9	17

232	Tuning Photovoltaic Performance of Perovskite Nickelates Heterostructures by Changing the A-Site Rare-Earth Element. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16191-16197	9.5	10
231	Photothermal-responsive nanosized hybrid polymersome as versatile therapeutics codelivery nanovehicle for effective tumor suppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7744-7749	11.5	58
230	The effects of azo-oxadiazole-based bent-shaped molecules on the temperature range and the light-responsive performance of blue phase liquid crystal. <i>Liquid Crystals</i> , 2019 , 46, 1024-1034	2.3	12
229	Cancer Cell Membrane Camouflaged Nanoprobe for Catalytic Ratiometric Photoacoustic Imaging of MicroRNA in Living Mice. <i>Advanced Materials</i> , 2019 , 31, e1807888	24	61
228	TiO ₂ nanorod arrays induced broad-band reflection in chiral nematic liquid crystals with photo-polymerization network. <i>Liquid Crystals</i> , 2019 , 46, 210-218	2.3	11
227	Nanoparticle-doped chiral nematic liquid-crystal composite and its effect in magnetic-response and electric-response flexible display. <i>Liquid Crystals</i> , 2019 , 46, 249-256	2.3	5
226	Effect of Monomer Composition on the Performance of Polymer-Stabilized Liquid Crystals with Two-Step Photopolymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019 , 57, 1126-1132	2.6	8
225	Large-sized benzo[e]indolium salt single crystals with high optical nonlinearity. <i>CrystEngComm</i> , 2019 , 21, 5626-5632	3.3	9
224	Fabrication and photonic applications of large-domain blue phase films. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9460-9466	7.1	20
223	Smart Windows: Electro-, Thermo-, Mechano-, Photochromics, and Beyond. <i>Advanced Energy Materials</i> , 2019 , 9, 1902066	21.8	216
222	Smart Windows: Smart Windows: Electro-, Thermo-, Mechano-, Photochromics, and Beyond (Adv. Energy Mater. 39/2019). <i>Advanced Energy Materials</i> , 2019 , 9, 1970153	21.8	5
221	Liquid crystalline blue phase materials with three-dimensional nanostructures. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 13352-13366	7.1	14
220	Photonic Shape Memory Polymer Based on Liquid Crystalline Blue Phase Films. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46124-46131	9.5	25
219	Enhanced Incorporation of Guanidinium in Formamidinium-Based Perovskites for Efficient and Stable Photovoltaics: The Role of Cs and Br. <i>Advanced Functional Materials</i> , 2019 , 29, 1905739	15.6	26
218	Self-Assembled Porphyrin-Based Nanoparticles with Enhanced Near-Infrared Absorbance for Fluorescence Imaging and Cancer Photodynamic Therapy.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 999-1005	4.1	14
217	Photoacoustic effect of near-infrared absorbing fullerene derivatives with click moieties. <i>Dyes and Pigments</i> , 2019 , 164, 182-187	4.6	5
216	Printable photonic polymer coating based on a monodomain blue phase liquid crystal network. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 13764-13769	7.1	13
215	Simultaneous Enhancement of Three Parameters of P3HT-Based Organic Solar Cells with One Oxygen Atom. <i>Advanced Energy Materials</i> , 2019 , 9, 1803012	21.8	45

214	Electrically switchable light transmittance of epoxy-mercaptan polymer/nematic liquid crystal composites with controllable microstructures. <i>Polymer</i> , 2019 , 160, 53-64	3.9	30
213	3D nanomaterial silica aerogel via diffusion of chiral compound driven broadband reflection in chiral nematic liquid crystals. <i>Liquid Crystals</i> , 2019 , 46, 952-962	2.3	8
212	Highly Stretchable, Elastic, and Ionic Conductive Hydrogel for Artificial Soft Electronics. <i>Advanced Functional Materials</i> , 2019 , 29, 1806220	15.6	342
211	NIR absorbing thiophene derivatives with photoacoustic and photothermal effect used in drug release. <i>Dyes and Pigments</i> , 2019 , 162, 331-338	4.6	1
210	Third-order nonlinear optical properties of the clicked closed-ring spiropyrans. <i>Dyes and Pigments</i> , 2019 , 162, 451-458	4.6	6
209	The application of small organic conjugated discotic derivatives in photoacoustic imaging and photothermal conversion. <i>Nanotechnology</i> , 2019 , 30, 035705	3.4	1
208	Carbon-Oxygen-Bridged Ladder-Type Building Blocks for Highly Efficient Nonfullerene Acceptors. <i>Advanced Materials</i> , 2019 , 31, e1804790	24	117
207	Emerging Thermal-Responsive Materials and Integrated Techniques Targeting the Energy-Efficient Smart Window Application. <i>Advanced Functional Materials</i> , 2018 , 28, 1800113	15.6	201
206	Peroxidase-like Fe ₃ O ₄ nanocomposite for activatable reactive oxygen species generation and cancer theranostics. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1184-1194	7.8	29
205	Meso-substituted porphyrin photosensitizers with enhanced near-infrared absorption: Synthesis, characterization and biological evaluation for photodynamic therapy. <i>Tetrahedron</i> , 2018 , 74, 2677-2683	2.4	7
204	Gold Nanorods Conjugated Porous Silicon Nanoparticles Encapsulated in Calcium Alginate Nano Hydrogels Using Microemulsion Templates. <i>Nano Letters</i> , 2018 , 18, 1448-1453	11.5	54
203	Zinc(II) Metalated Porphyrins as Photothermogenic Photosensitizers for Cancer Photodynamic/Photothermal Synergistic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 238247	9.5	45
202	Fully Printed Flexible Smart Hybrid Hydrogels. <i>Advanced Functional Materials</i> , 2018 , 28, 1705365	15.6	89
201	Silica aerogel films via ambient pressure drying for broadband reflectors. <i>New Journal of Chemistry</i> , 2018 , 42, 6525-6531	3.6	8
200	Fused-Ring Electron Acceptor ITIC-Th: A Novel Stabilizer for Halide Perovskite Precursor Solution. <i>Advanced Energy Materials</i> , 2018 , 8, 1703399	21.8	80
199	Synthesis of chiral azobenzene derivatives and the performance in photochemical control of blue phase liquid crystal. <i>Liquid Crystals</i> , 2018 , 45, 370-380	2.3	32
198	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> , 2018 , 45, 728-735	2.3	32
197	Third-order nonlinear optical properties of cyanine dyes with click chemistry modification. <i>Dyes and Pigments</i> , 2018 , 149, 8-15	4.6	26

196	The photoacoustic effect of near-infrared absorbing porphyrin derivatives prepared via click chemistry. <i>Dyes and Pigments</i> , 2018 , 148, 501-507	4.6	13
195	Enhancing ferroelectric photovoltaic effect by polar order engineering. <i>Science Advances</i> , 2018 , 4, eaat3428	13.8	88
194	Composition-Tuned Wide Bandgap Perovskites: From Grain Engineering to Stability and Performance Improvement. <i>Advanced Functional Materials</i> , 2018 , 28, 1803130	15.6	78
193	Record Efficiency Stable Flexible Perovskite Solar Cell Using Effective Additive Assistant Strategy. <i>Advanced Materials</i> , 2018 , 30, e1801418	24	286
192	Flexoelectric effect in PVDF-based copolymers and terpolymers. <i>Applied Physics Letters</i> , 2018 , 112, 232904	9.1	17
191	Binary "island" shaped arrays with high-density hot spots for surface-enhanced Raman scattering substrates. <i>Nanoscale</i> , 2018 , 10, 14220-14229	7.7	32
190	Effects of a chemically modified multiwall carbon nanotubes on electro-optical properties of PDLC films. <i>Liquid Crystals</i> , 2018 , 45, 1023-1031	2.3	29
189	Stimuli-Directed Dynamic Reconfiguration in Self-Organized Helical Superstructures Enabled by Chemical Kinetics of Chiral Molecular Motors. <i>Advanced Science</i> , 2018 , 5, 1700613	13.6	47
188	Preparation of polymer-dispersed liquid crystal doped with indium tin oxide nanoparticles. <i>Liquid Crystals</i> , 2018 , 45, 1068-1077	2.3	19
187	Amorphous Vanadium Oxide Thin Films as Stable Performing Cathodes of Lithium and Sodium-Ion Batteries. <i>Nanoscale Research Letters</i> , 2018 , 13, 363	5	15
186	The temperature range and optical properties of the liquid crystalline blue phase in inverse opal structures. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 11071-11077	7.1	4
185	Largely Lowered Transition Temperature of a VO ₂ /Carbon Hybrid Phase Change Material with High Thermal Emissivity Switching Ability and Near Infrared Regulations. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1801063	4.6	17
184	In-Plane Ferroelectricity in Thin Flakes of Van der Waals Hybrid Perovskite. <i>Advanced Materials</i> , 2018 , 30, e1803249	24	45
183	Effective Encapsulation of Paraffin Wax in Carbon Nanotube Agglomerates for a New Shape-Stabilized Phase Change Material with Enhanced Thermal-Storage Capacity and Stability. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 13026-13035	3.9	29
182	Metal-Organic Framework Nanoshuttle for Synergistic Photodynamic and Low-Temperature Photothermal Therapy. <i>Advanced Functional Materials</i> , 2018 , 28, 1804634	15.6	177
181	Visual multi-triggered sensor based on inverse opal hydrogel. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 554, 93-99	5.1	21
180	Highly Sensitive Terahertz Thin-Film Total Internal Reflection Spectroscopy Reveals in Situ Photoinduced Structural Changes in Methylammonium Lead Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 17552-17558	3.8	17
179	Novel triphenylamine-based copolymers for all-polymer solar cells. <i>Dyes and Pigments</i> , 2017 , 140, 141-149	14.6	9

178	Tungsten doped VO ₂ /microgels hybrid thermochromic material and its smart window application. <i>RSC Advances</i> , 2017 , 7, 7758-7762	3.7	40
177	Unconventional High-Performance Laser Protection System Based on Dichroic Dye-Doped Cholesteric Liquid Crystals. <i>Scientific Reports</i> , 2017 , 7, 42955	4.9	11
176	Enhanced Photoelectrochemical Performance in Reduced Graphene Oxide/BiFeO Heterostructures. <i>Small</i> , 2017 , 13, 1603457	11	35
175	Tunable reflectance of an inverse opal-chiral nematic liquid crystal multilayer device by electric- or thermal-control. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 12425-12430	3.6	2
174	Flexoelectric effect in PVDF-based polymers. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 727-731	2.3	26
173	Synthesis and mesophase behaviour of branched azobenzene-based supramolecular hydrogen-bonded liquid crystals. <i>Liquid Crystals</i> , 2017 , 44, 593-602	2.3	12
172	A series of novel side chain liquid crystalline polysiloxanes containing cyano- and cholesterol-terminated substituents: Where will the structure-dependence of terminal behavior of the side chain reappear?. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 1765-1772	2.5	9
171	Optical intensity-driven reversible photonic bandgaps in self-organized helical superstructures with handedness inversion. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3678-3683	7.1	33
170	Broadband reflective liquid crystal films induced by facile temperature-dependent coexistence of chiral nematic and TGB phase. <i>Liquid Crystals</i> , 2017 , 44, 582-592	2.3	12
169	Broadband reflection in polymer stabilized cholesteric liquid crystal films with stepwise photo-polymerization. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 2353-2358	3.6	22
168	Aptamer-Conjugated Graphene Quantum Dots/Porphyrin Derivative Theranostic Agent for Intracellular Cancer-Related MicroRNA Detection and Fluorescence-Guided Photothermal/Photodynamic Synergetic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 159-166	9.5	135
167	Nonlinear optical properties of the novel kind of organic donor-acceptor thiophene derivatives with click chemistry modification. <i>Tetrahedron</i> , 2017 , 73, 6210-6216	2.4	14
166	Benzylamine-Treated Wide-Bandgap Perovskite with High Thermal-Photostability and Photovoltaic Performance. <i>Advanced Energy Materials</i> , 2017 , 7, 1701048	21.8	135
165	Preferential self-assembly behavior of polydisperse silica particles under negative pressure. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 529, 832-839	5.1	3
164	Stable high efficiency two-dimensional perovskite solar cells via cesium doping. <i>Energy and Environmental Science</i> , 2017 , 10, 2095-2102	35.4	496
163	Effects of functionality of thiol monomer on electro-optical properties of polymer-dispersed liquid crystal films. <i>Liquid Crystals</i> , 2017 , 44, 1086-1092	2.3	31
162	Distribution of bromine in mixed iodide/bromide organolead perovskites and its impact on photovoltaic performance. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16191-16197	13	24
161	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> , 2016 , 6, 87502-87512	3.7	5

160	Electro-Thermochromic Devices Composed of Self-Assembled Transparent Electrodes and Hydrogels. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600069	6.8	40
159	High-Performance All-Polymer Photoresponse Devices Based on Acceptor-Acceptor Conjugated Polymers. <i>Advanced Functional Materials</i> , 2016 , 26, 6306-6315	15.6	79
158	Nonlinear optical properties of symmetrical and asymmetrical porphyrin derivatives with click chemistry modification. <i>Dyes and Pigments</i> , 2016 , 134, 155-163	4.6	29
157	Giant photostriction in organic-inorganic lead halide perovskites. <i>Nature Communications</i> , 2016 , 7, 11193	17.4	119
156	Nonlinear Optical Properties of Porphyrin Derivatives with Electron-donating or Electron-withdrawing Substituents. <i>Chinese Journal of Chemistry</i> , 2016 , 34, 381-386	4.9	8
155	Synthesis and evaluation of simple molecules for dye sensitized solar cells. <i>Synthetic Metals</i> , 2016 , 220, 41-47	3.6	4
154	Temperature-responsive hydroxypropylcellulose based thermochromic material and its smart window application. <i>RSC Advances</i> , 2016 , 6, 61449-61453	3.7	50
153	Energy-level tuning of poly(p-phenylenebutadiynylene) derivatives by click chemistry-type postfunctionalization of side-chain alkynes. <i>Reactive and Functional Polymers</i> , 2016 , 105, 114-121	4.6	4
152	Porous PbI ₂ films for the fabrication of efficient, stable perovskite solar cells via sequential deposition. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10223-10230	13	45
151	Facile synthesis of functional poly(vinylene sulfide)s containing donor-acceptor chromophores by a double click reaction. <i>RSC Advances</i> , 2016 , 6, 59327-59332	3.7	9
150	Synthesis and self-assembly behaviours of side-chain smectic thiol-ene polymers based on the polysiloxane backbone. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1425-1440	7.1	22
149	Click chemistry functionalization improving the wideband optical-limiting performance of fullerene derivatives. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 7341-8	3.6	20
148	Effect of the dimeric H-bonded mesogens of chiral acids on the mesogenic and optical properties. <i>Liquid Crystals</i> , 2016 , 43, 874-885	2.3	4
147	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> , 2016 , 43, 524-534	2.3	17
146	Blue phase liquid crystals affected by graphene oxide modified with aminoazobenzol group. <i>Liquid Crystals</i> , 2016 , 43, 573-580	2.3	18
145	Molecular Structures and Second-Order Nonlinear Optical Properties of Ionic Organic Crystal Materials. <i>Crystals</i> , 2016 , 6, 158	2.3	59
144	Chiral hydrogen-bonded complex with different mesogens length and its effect on the performances of blue phase. <i>Optical Materials Express</i> , 2016 , 6, 868	2.6	6
143	The effects of asymmetric bent-shaped compounds on the temperature range and electro-optical performances of liquid crystalline blue phases. <i>RSC Advances</i> , 2016 , 6, 110750-110757	3.7	5

142	Photoinduced surface voltage mapping study for large perovskite single crystals. <i>Applied Physics Letters</i> , 2016 , 108, 181604	3.4	12
141	Tellurophene-Based N-type Copolymers for Photovoltaic Applications. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 34620-34629	9.5	26
140	Optical and electrical properties of high-quality Ti2O3 epitaxial film grown on sapphire substrate. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	7
139	Elastomeric Conducting Polyaniline Formed Through Topological Control of Molecular Templates. <i>ACS Nano</i> , 2016 , 10, 5991-8	16.7	18
138	Double UV polymerisation with variable temperature-controllable selective reflection of polymer-stabilised liquid crystal (PSLC) composites. <i>Liquid Crystals</i> , 2016 , 43, 1299-1306	2.3	10
137	Oxygen Vacancy Induced Room-Temperature Metal-Insulator Transition in Nickelate Films and Its Potential Application in Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9769-76	9.5	81
136	The application of double click to synthesize a third-order nonlinear polymer containing donor-acceptor chromophores. <i>Polymer Chemistry</i> , 2016 , 7, 3714-3721	4.9	19
135	Phenylalkylamine Passivation of Organolead Halide Perovskites Enabling High-Efficiency and Air-Stable Photovoltaic Cells. <i>Advanced Materials</i> , 2016 , 28, 9986-9992	24	425
134	Preparation and optical properties of FeO nanoparticles-doped blue phase liquid crystal. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 29028-29032	3.6	23
133	Novel surface-enhanced Raman scattering-based assays for ultra-sensitive detection of human pluripotent stem cells. <i>Biomaterials</i> , 2016 , 105, 66-76	15.6	23
132	Third-order nonlinear optical properties of a novel series of D- π pyrene-aldehyde derivatives. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2016 , 25, 1650014	0.8	30
131	Application of Near-IR Absorption Porphyrin Dyes Derived from Click Chemistry as Third-Order Nonlinear Optical Materials. <i>ChemistryOpen</i> , 2016 , 5, 71-7	2.3	13
130	Effect of bent-shape and calamitic-shape of hydrogen-bonded mesogens on the liquid crystalline properties. <i>Liquid Crystals</i> , 2015 , 42, 1191-1200	2.3	9
129	Bistable polymer-dispersed cholesteric liquid crystal thin film enabled by a stepwise polymerization. <i>RSC Advances</i> , 2015 , 5, 58959-58965	3.7	14
128	Study on the electro-optical properties of polyimide-based polymer-dispersed liquid crystal films. <i>Liquid Crystals</i> , 2015 , 42, 1689-1697	2.3	18
127	Pyrene-Based Small Molecular Nonlinear Optical Materials Modified by "Click-Reaction" <i>Journal of Electronic Materials</i> , 2015 , 44, 2883-2889	1.9	14
126	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> , 2015 , 42, 390-396	2.3	34
125	Alternating precursor layer deposition for highly stable perovskite films towards efficient solar cells using vacuum deposition. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9401-9405	13	121

124	Synergistic effects from graphene and carbon nanotubes endow ordered hierarchical structure foams with a combination of compressibility, super-elasticity and stability and potential application as pressure sensors. <i>Nanoscale</i> , 2015 , 7, 9252-60	7.7	97
123	Electro-switchable characteristics of broadband absorptive films based on multi-dichroic dye-doped nematic liquid crystal. <i>Liquid Crystals</i> , 2015 , 42, 309-315	2.3	5
122	High efficiency flexible perovskite solar cells using superior low temperature TiO ₂ . <i>Energy and Environmental Science</i> , 2015 , 8, 3208-3214	35.4	457
121	Electrically tunable properties of wideband-absorptive and reflection-selective films based on multi-dichroic dye-doped cholesteric liquid crystals. <i>Liquid Crystals</i> , 2015 , 42, 1698-1705	2.3	15
120	Engineering of Organic Chromophores with Large Second-Order Optical Nonlinearity and Superior Crystal Growth Ability. <i>Crystal Growth and Design</i> , 2015 , 15, 5560-5567	3.5	25
119	Two-Inch-Sized Perovskite CH ₃ NH ₃ PbX ₃ (X = Cl, Br, I) Crystals: Growth and Characterization. <i>Advanced Materials</i> , 2015 , 27, 5176-83	24	746
118	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> , 2015 , 31, 992-996	2.3	6
117	VO ₂ /hydrogel hybrid nanothermochromic material with ultra-high solar modulation and luminous transmission. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1121-1126	13	143
116	Synthesis and co-assembly of gold nanoparticles functionalized by a pyrene-thiol derivative. <i>RSC Advances</i> , 2015 , 5, 140-145	3.7	6
115	Graphene Oxide Modified with Mesogenic Groups and Its Effect in Broad-Band Reflectors. <i>ChemPlusChem</i> , 2015 , 80, 673-678	2.8	7
114	Competition between strain and dimensionality effects on the electronic phase transitions in NdNiO ₃ films. <i>Scientific Reports</i> , 2015 , 5, 18707	4.9	33
113	Flexible H-bonded liquid-crystals with wide enantiotropic blue phases. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5622-6	3.6	21
112	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> , 2014 , 49, 4927-4937	4.3	5
111	Effect of lanthanum doping on tetragonal-like BiFeO ₃ with mixed-phase domain structures. <i>Physical Review B</i> , 2014 , 90,	3.3	22
110	Synthesis and crystal growth of thienyl-substituted pyridinium derivatives for second-order nonlinear optics. <i>CrystEngComm</i> , 2014 , 16, 636-641	3.3	14
109	Temperature-responsive hydrogel with ultra-large solar modulation and high luminous transmission for smart window applications. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13550-13555	13	160
108	Influence of dialdehyde bacterial cellulose with the nonlinear elasticity and topology structure of ECM on cell adhesion and proliferation. <i>RSC Advances</i> , 2014 , 4, 3998-4009	3.7	47
107	Environmental Friendly Polymer Materials for Sustainable Development. <i>International Journal of Polymer Science</i> , 2014 , 2014, 1-2	2.4	5

106	Switchable photovoltaic response from polarization modulated interfaces in BiFeO ₃ thin films. <i>Applied Physics Letters</i> , 2014 , 104, 142903	3.4	62
105	Mechanism of polarization fatigue in BiFeO ₃ : The role of Schottky barrier. <i>Applied Physics Letters</i> , 2014 , 104, 012903	3.4	23
104	Optoelectronic and self-assembly properties of porphyrin derivatives with click chemistry modification. <i>ChemPhysChem</i> , 2014 , 15, 3523-9	3.2	10
103	Preparation and thermo-optical characteristics of a smart polymer-stabilized liquid crystal thin film based on smectic A _h nematic phase transition. <i>Smart Materials and Structures</i> , 2014 , 23, 125038	3.4	26
102	Spectral and self-assembly properties of a series of asymmetrical pyrene derivatives. <i>Chinese Chemical Letters</i> , 2014 , 25, 237-242	8.1	5
101	Solution-processed indacenodithiophene-based small molecule for bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14214	13	45
100	Origin of the uniaxial magnetic anisotropy in La _{0.7} Sr _{0.3} MnO ₃ on stripe-domain BiFeO ₃ . <i>Physical Review B</i> , 2013 , 88,	3.3	32
99	Molecular dynamics simulation of thin film interfacial strength dependency on lattice mismatch. <i>Thin Solid Films</i> , 2013 , 537, 190-197	2.2	12
98	Disk-shaped symmetric hexa-substituted triphenylene derivatives: Synthesis, physical properties and self-assembly. <i>Chemical Research in Chinese Universities</i> , 2013 , 29, 495-499	2.2	2
97	Self-Assembly Micro-Nanostructures of Discotic Organic Molecules. <i>Applied Mechanics and Materials</i> , 2013 , 331, 567-571	0.3	0
96	The Effect of CB15 on Cholesteric Liquid Crystal Thermal-Optical Properties. <i>Advanced Materials Research</i> , 2013 , 807-809, 2684-2687	0.5	
95	Effects of ruthenium on phase separation in a model NiAlCrCu superalloy. <i>Philosophical Magazine</i> , 2013 , 93, 1326-1350	1.6	13
94	A Study on the Synthesis, Characterization and Properties of Polyaniline Nanofibers Using Ferric Chloride as both Oxidant and Dopant. <i>Advanced Materials Research</i> , 2013 , 807-809, 2757-2761	0.5	
93	Synthesis, Crystal Growth and Characterization of Organic Nonlinear Optical Co-Crystal: 4-N, N-dimethylamino-4-N-methyl-stilbazolium (3-nitrobenzenesulfonate)0.610.4. <i>Advanced Materials Research</i> , 2013 , 760-762, 811-815	0.5	1
92	Synthesis of Chiral Azobenzene and their Effect on Cholesteric Liquid Crystal. <i>Advanced Materials Research</i> , 2013 , 805-806, 1340-1343	0.5	
91	Polyaniline Nanostructures Doped with Fluorescent TPA-BTD-BN. <i>Advanced Materials Research</i> , 2013 , 807-809, 2679-2683	0.5	
90	Synthesis and third-order nonlinear optical properties of triphenylene derivatives modified by click chemistry. <i>ChemPhysChem</i> , 2013 , 14, 4102-8	3.2	17
89	A new stilbazolium salt with perfectly aligned chromophores for second-order nonlinear optics: 4-N,N-Dimethylamino-4'-N'-methyl-stilbazolium 3-carboxy-4-hydroxybenzenesulfonate. <i>Dyes and Pigments</i> , 2012 , 94, 120-126	4.6	29

88	Two [Cu ₂ I ₂]-based coordination polymers of 1,3-bis(pyridin-4-yl)propane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012 , 68, m181-4		2
87	Synthesis and characterization of thienyl-substituted pyridinium salts for second-order nonlinear optics. <i>CrystEngComm</i> , 2012 , 14, 1031-1037	3.3	29
86	Synthesis, crystal growth, and second-order nonlinear optical properties of new pyridinium salts 2012 ,		1
85	4-{2-[4-(Dimethyl-amino)-phen-yl]ethen-yl}-1-methyl-pyridinium 4-nitro-benzene-sulfonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o994		
84	4-{2-[4-(Dimethyl-amino)-phen-yl]ethen-yl}-1-methyl-pyridinium 2-amino-3,5-dimethyl-benzene-sulfonate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o426-7		
83	4-{2-[4-(Dimethyl-amino)-phen-yl]ethen-yl}-1-methyl-pyridinium 3,5-dicarb-oxy-benzene-sulfonate methanol monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o281		3
82	Chemical modifications and characteristic changes in bacterial cellulose treated with different media. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2.7	14
81	Effects of the Morphology of a ZnO Buffer Layer on the Photovoltaic Performance of Inverted Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2012 , 22, 2194-2201	15.6	259
80	Wide-band reflective films produced by side-chain cholesteric liquid-crystalline elastomers derived from a binaphthalene crosslinking agent. <i>Polymer</i> , 2011 , 52, 5836-5845	3.9	14
79	Arylamine-solvated copper(I)/iodide coordination polymers cooperatively formed by the amination of aryl iodides and the assembly of [Cu ₂ I ₂] species with 1,2-bis(4-pyridyl)ethane. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 1537-1540	3.1	7
78	Bandwidth-controllable reflective polarisers based on the temperature-dependent chiral conflict in binary chiral mixtures. <i>Liquid Crystals</i> , 2011 , 38, 233-239	2.3	13
77	Interfacial molecular self-assembled films of amphiphilic disclike molecules induce uniform alignment of nematic liquid crystals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 384, 186-193	5.1	2
76	Synthesis and optical behaviour of hydrogen-bonded liquid crystals based on a chiral pyridine derivative. <i>Liquid Crystals</i> , 2011 , 38, 1217-1225	2.3	7
75	On the nanometer scale phase separation of a low-supersaturation Ni ₃ AlCr alloy. <i>Philosophical Magazine</i> , 2010 , 90, 219-235	1.6	31
74	Pitch gradient induced by disklike chiral molecular diffusion in chiral-nematic liquid crystals. <i>Journal of Applied Physics</i> , 2010 , 107, 063711	2.5	2
73	Magnetite nanoparticles/chiral nematic liquid crystal composites with magnetically addressable and magnetically erasable characteristics. <i>Liquid Crystals</i> , 2010 , 37, 563-569	2.3	24
72	Organic electro-optic single crystalline films for integrated optics 2010 ,		2
71	Formation of surface relief gratings with homeotropically oriented photopolymer from a photocross-linkable organic monomer. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 1436-9	3.6	7

70	Electro-optical study of chiral nematic liquid crystal/chiral ionic liquid composites with electrically controllable selective reflection characteristics. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 2632-8	3.6	27
69	Electrically controllable selective reflection of chiral nematic liquid crystal/chiral ionic liquid composites. <i>Advanced Materials</i> , 2010 , 22, 468-72	24	125
68	A selective reflecting film with a temperature-dependent pitch length. <i>Chinese Chemical Letters</i> , 2010 , 21, 279-282	8.1	
67	Optical properties and simultaneous synthesis of ZnS and ZnO nanoparticles via one reverse micellar system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 360, 205-209	5.1	14
66	Application of thiol-ene photopolymerization for injectable intraocular lenses: A preliminary study. <i>Polymer Engineering and Science</i> , 2010 , 50, 174-182	2.3	10
65	Studies on the electro-optical properties of polymer stabilised cholesteric liquid crystal/aerosil particles composites. <i>Liquid Crystals</i> , 2009 , 36, 93-100	2.3	4
64	Characteristics of wide-band reflection of polymer-stabilised cholesteric liquid crystal cell prepared from an unsticking technique. <i>Liquid Crystals</i> , 2009 , 36, 939-946	2.3	17
63	Large area growth of aligned CNT arrays on spheres: Cost performance and product control. <i>Materials Letters</i> , 2009 , 63, 84-87	3.3	21
62	Synthesis and characterization of reactive poloxamer 407s for biomedical applications. <i>Journal of Controlled Release</i> , 2009 , 138, 49-56	11.7	58
61	Wide Blue Phase Range in a Hydrogen-Bonded Self-Assembled Complex of Chiral Fluoro-Substituted Benzoic Acid and Pyridine Derivative. <i>Advanced Materials</i> , 2009 , 21, 2050-2053	24	172
60	Studies on electro-optical properties of polymer matrix/LC/SiO ₂ nanoparticles composites. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 1449-1453	2.9	24
59	A polymer stabilized liquid crystal film with thermal switching characteristics between light transmission and adjustable light scattering. <i>Optical Materials</i> , 2009 , 31, 1163-1166	3.3	11
58	Facile synthesis and characterization of novel thermo-chromism cholesteryl-containing hydrogen-bonded liquid crystals. <i>Chinese Chemical Letters</i> , 2009 , 20, 1303-1306	8.1	8
57	Synthesis and characterization of acrylamide/N-vinylpyrrolidone copolymer with pendent thiol groups for ophthalmic applications. <i>Acta Biomaterialia</i> , 2009 , 5, 1056-63	10.8	13
56	Homeotropic alignment of nematic liquid crystals by a photocross-linkable organic monomer containing dual photofunctional groups. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 2961-5	3.4	28
55	Thermally controllable reflective characteristics from rupture and self-assembly of hydrogen bonds in cholesteric liquid crystals. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13882-5	3.4	19
54	Effects of the preparing condition of a polymer-stabilised liquid crystal with a smectic-A-chiral nematic phase transition on its properties. <i>Liquid Crystals</i> , 2009 , 36, 165-172	2.3	1
53	Growth Deceleration of Vertically Aligned Carbon Nanotube Arrays: Catalyst Deactivation or Feedstock Diffusion Controlled?. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4892-4896	3.8	96

52	Effects on thermo-optical properties of the composition of a polymer-stabilised liquid crystal with a smectic A _h nematic phase transition. <i>Liquid Crystals</i> , 2008 , 35, 1151-1160	2.3	9
51	Effect of a Photopolymerizable Monomer Containing a Hydrogen Bond on Near-Infrared Radiation Transmittance of Nematic Liquid Crystal/Monomers Composites. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13739-13743	3.8	23
50	Thiol/acrylate-modified PEO-PPO-PEO triblocks used as reactive and thermosensitive copolymers. <i>Biomacromolecules</i> , 2008 , 9, 2621-8	6.9	45
49	The partitioning and site preference of rhenium or ruthenium in model nickel-based superalloys: An atom-probe tomographic and first-principles study. <i>Applied Physics Letters</i> , 2008 , 93, 171905	3.4	64
48	On the field evaporation behavior of a model Ni-Al-Cr superalloy studied by picosecond pulsed-laser atom-probe tomography. <i>Microscopy and Microanalysis</i> , 2008 , 14, 571-80	0.5	25
47	Control of the microstructure of polymer network and effects of the microstructures on light scattering properties of UV-cured polymer-dispersed liquid crystal films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008 , 46, 2090-2099	2.6	48
46	Effects of the mixture composition on the microstructure of polymer matrix and light scattering properties of liquid crystal/photo-polymerizable monomers composites. <i>Optical Materials</i> , 2008 , 31, 434-439	3.3	13
45	Synthesis, Crystal Structure, and Second-Order Nonlinear Optical Properties of New Stilbazolium Salts. <i>Crystal Growth and Design</i> , 2007 , 7, 83-86	3.5	40
44	Synthesis and nonlinear optical properties of polyphosphazenes with binaphtholyl and indole side groups. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 365-371	2.9	8
43	Large-Size Bulk and Thin-Film Stilbazolium-Salt Single Crystals for Nonlinear Optics and THz Generation. <i>Advanced Functional Materials</i> , 2007 , 17, 2018-2023	15.6	196
42	Temperature effect on the substrate selectivity of carbon nanotube growth in floating chemical vapor deposition. <i>Nanotechnology</i> , 2007 , 18, 415703	3.4	27
41	Improved emission and coherent detection of few-cycle terahertz transients using laser pulses at 1.5 μm . 2007 , 6582, 174		5
40	Linear and nonlinear optical properties of the organic crystal DSTMS. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 2556	1.7	87
39	Molecular Engineering of Stilbazolium Derivatives for Second-Order Nonlinear Optics. <i>Chemistry of Materials</i> , 2007 , 19, 3512-3518	9.6	97
38	Synthesis and crystal structure of a new stilbazolium salt with large second-order optical nonlinearity. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2839-2842		108
37	Synthesis and Crystal Growth of Stilbazolium Derivatives for Second-Order Nonlinear Optics. <i>Advanced Functional Materials</i> , 2005 , 15, 1072-1076	15.6	112
36	Second-order nonlinear optical property of polyphosphazenes containing charge-transporting agents and indole-based chromophore. <i>Polymer</i> , 2005 , 46, 4971-4978	3.9	55
35	Synthesis and structural characterization of a new polysiloxane with second-order nonlinear optical effect. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 769-774	2.9	16

34	Design and synthesis of a new nonlinear optical poly(phthalazinone ether ketone). <i>Reactive and Functional Polymers</i> , 2004 , 61, 379-386	4.6	3
33	Synthesis and characterization of second-order nonlinear optical polyurethane with high thermal stability. <i>European Polymer Journal</i> , 2004 , 40, 1981-1986	5.2	7
32	A New Postfunctional Approach To Prepare Second-Order Nonlinear Optical Polyphosphazenes Containing Sulfonyl-Based Chromophore. <i>Macromolecules</i> , 2004 , 37, 371-376	5.5	98
31	Design and synthesis of a thermally stable second-order nonlinear optical chromophore and its poled polymers. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 2846-2853	2.5	33
30	Poling Properties of Guest-Host Polymer Films of X-Type Nonlinear Optical Chromophores. <i>Synthetic Metals</i> , 2003 , 137, 1519-1520	3.6	12
29	Design and Synthesis of Low Dipole Moment Chromophores: 2,6-Disubstitute Cycloheptimidazoles. <i>Synthetic Metals</i> , 2003 , 137, 1545-1546	3.6	2
28	Optical limiting properties of water-soluble phthalocyanine derivatives. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003 , 07, 447-451	1.8	2
27	Thermally stable nonlinear optical polyurea functionalized by multiple charge-transfer chromophore. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 4297-4301	2.5	8
26	Contribution of the Multiple Charge-Transfer Chromophore to the Orientation Stability of the Poled Polymer Film. <i>Macromolecules</i> , 2002 , 35, 4314-4316	5.5	20
25	Multidimensional charge-transfer chromophore: a novel strategy to achieving a highly efficient and stable second-order nonlinear optical polyimide 2001 , 4580, 314		5
24	Scalable Flexible Perovskite Solar Cells Based on a Crystalline and Printable Template with Intelligent Temperature Sensitivity. <i>Solar Rrl</i> , 2100991	7.1	1
23	Role of Fluorescent Material on Electro-optical Performance of PDLC Devices. <i>Liquid Crystals</i> , 1-10	2.3	1
22	Broadband reflection cholesteric liquid crystal film fabricated by near-infrared photothermal response technology. <i>Liquid Crystals</i> , 1-11	2.3	0
21	Influence of ZnO NPs on morphological and electro-optical properties of polymer-dispersed liquid crystals. <i>Liquid Crystals</i> , 1-10	2.3	4
20	Broadband reflection in polymer-stabilized cholesteric liquid crystal film with zinc oxide nanoparticles film thermal diffusion method. <i>Liquid Crystals</i> , 1-10	2.3	3
19	The relationship between crosslinker, liquid crystal, and magnetic nanomaterial doping on electro-optical properties of PDLC. <i>Liquid Crystals</i> , 1-11	2.3	0
18	Broadband reflection prepared by loading chiral dopants in white carbon black. <i>Liquid Crystals</i> , 1-9	2.3	1
17	Studies on electro-optical properties of polymer dispersed liquid crystals doped with reticular nanofiber films prepared by electrospinning. <i>Liquid Crystals</i> , 1-9	2.3	4

16	Photonic crystals for perovskite-based optoelectronic applications. <i>Nano Select</i> ,	3.1	0
15	Polymer dispersed liquid crystals doped with CeO ₂ nanoparticles for the smart window. <i>Liquid Crystals</i> ,1-10	2.3	8
14	Functional liquid crystalline epoxy networks and composites: from materials design to applications. <i>International Materials Reviews</i> ,1-29	16.1	1
13	Doping white carbon black particles to adjust the electro-optical properties of PDLC. <i>Liquid Crystals</i> ,1-10	2.3	1
12	The Electro-optical study of Al ₂ O ₃ nanoparticles doped polymer dispersed liquid crystal films. <i>Liquid Crystals</i> ,1-11	2.3	1
11	Thermally bandwidth-controllable reflective liquid crystal films prepared by doping nano-sized electrospun fibers. <i>Liquid Crystals</i> ,1-9	2.3	2
10	Preparation of cholesteric polymer networks with broadband reflection memory effect. <i>Liquid Crystals</i> ,1-9	2.3	2
9	Spin-Dependent Charge Transport in 1D Chiral Hybrid Lead-Bromide Perovskite with High Stability. <i>Advanced Functional Materials</i> ,2104605	15.6	9
8	High dielectric properties, TiO ₂ nanoparticles doped PDLC devices for lower switching voltage. <i>Liquid Crystals</i> ,1-10	2.3	0
7	Self-diffusion method for broadband reflection in polymer-stabilized cholesteric liquid crystal films. <i>Liquid Crystals</i> ,1-10	2.3	1
6	Preparation and properties of water-responsive films with color controllable based on liquid crystal and poly(ethylene glycol) interpenetrating polymer network. <i>Liquid Crystals</i> ,1-9	2.3	1
5	Optical sensor for butylamine vapour based on the photonic structure infiltrated by liquid crystal. <i>Liquid Crystals</i> ,1-7	2.3	
4	Mesophase properties of fluorene-core mesogens and their effects on blue phase liquid crystals. <i>Liquid Crystals</i> ,1-11	2.3	1
3	Combined effect of hydroxylated and fluorinated acrylate monomers on improving the electro-optical and mechanical performances of PDLC-films. <i>Liquid Crystals</i> ,1-11	2.3	0
2	Cholesteric liquid crystal films with adjustable wavelength band and reflectance by using wash-out/refill technique and light-responsive compounds. <i>Liquid Crystals</i> ,1-11	2.3	1
1	Low voltage tunable cholesteric liquid crystal based on electrochemical process. <i>Liquid Crystals</i> ,1-11	2.3	