Wan-Li He

List of Publications by Year in Descending Order

97 papers	1,834 citations	23 h-index	38 g-index
100 ext. papers	2,155 ext. citations	4 avg, IF	4.4 L-index

#	Paper	IF	Citations
97	Acridine-based dyes as high-performance near-infrared Raman reporter molecules for cell imaging.. *RSC Advances*, **2022**, 12, 3380-3385	3.7	
96	Detection of glucose in diabetic tears by using gold nanoparticles and MXene composite surface-enhanced Raman scattering substrates. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 266, 120432	4.4	5
95	Broadband Reflective Liquid Crystal Films Prepared by Rapid Inkjet Printing and Superposition Polymerization. *Crystals*, **2022**, 12, 473	2.3	1
94	Quantification of uric acid concentration in tears by using PDMS inverse opal structure surface-enhanced Raman scattering substrates: Application in hyperuricemia.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 278, 121326	4.4	1
93	Vitrimer enhanced carbazole-based organic room-temperature phosphorescent materials. *New Journal of Chemistry*, **2021**, 46, 276-281	3.6	3
92	Highly Efficient Spin-Filtering Transport in Chiral Hybrid Copper Halides. *Angewandte Chemie*, **2021**, 133, 23770	3.6	1
91	Highly Efficient Spin-Filtering Transport in Chiral Hybrid Copper Halides. *Angewandte Chemie - International Edition*, **2021**, 60, 23578-23583	16.4	5
90	Study on electro-optical and adhesion properties of polymer dispersed liquid crystal films from thiol-ene click reaction. *Liquid Crystals*, **2021**, 48, 2188-2199	2.3	2
89	Preparation of Liquid Crystal Film Capable of Shielding Visible Light Band by Two-Phase Coexistence. *Journal of Polymer Science*, **2020**, 58, 599-606	2.4	3
88	Synthesis and Characterization of New Benzo[e]Indol Salts for Second-Order Nonlinear Optics. *Crystals*, **2020**, 10, 242	2.3	3
87	Double-click synthesis of polysiloxane third-order nonlinear optical polymers with donor–acceptor chromophores. *Polymer Chemistry*, **2020**, 11, 3046-3053	4.9	3
86	Schiff base derivative doped chiral nematic liquid crystals with a large wavelength shift driven by temperature and light. *Journal of Materials Chemistry C*, **2020**, 8, 561-566	7.1	5
85	Reflective Band Memory Effect of Cholesteric Polymer Networks Based on Washout/Refilling Method. *Macromolecular Chemistry and Physics*, **2020**, 221, 1900572	2.6	8
84	Synthesis and application of reversible fluorescent photochromic molecules based on tetraphenylethylene and photochromic groups. *New Journal of Chemistry*, **2019**, 43, 617-621	3.6	21
83	The effects of azo-oxadiazole-based bent-shaped molecules on the temperature range and the light-responsive performance of blue phase liquid crystal. *Liquid Crystals*, **2019**, 46, 1024-1034	2.3	12
82	TiO2 nanorod arrays induced broad-band reflection in chiral nematic liquid crystals with photo-polymerization network. *Liquid Crystals*, **2019**, 46, 210-218	2.3	11
81	Nanoparticle-doped chiral nematic liquid-crystal composite and its effect in magnetic-response and electric-response flexible display. *Liquid Crystals*, **2019**, 46, 249-256	2.3	5

80	Effect of Monomer Composition on the Performance of Polymer-Stabilized Liquid Crystals with Two-Step Photopolymerization. *Journal of Polymer Science, Part B: Polymer Physics*, **2019**, 57, 1126-1132	2.6	8
79	Large-sized benzo[e]indolium salt single crystals with high optical nonlinearity. *CrystEngComm*, **2019**, 21, 5626-5632	3.3	9
78	Fabrication and photonic applications of large-domain blue phase films. *Journal of Materials Chemistry C*, **2019**, 7, 9460-9466	7.1	20
77	Liquid crystalline blue phase materials with three-dimensional nanostructures. *Journal of Materials Chemistry C*, **2019**, 7, 13352-13366	7.1	14
76	Photonic Shape Memory Polymer Based on Liquid Crystalline Blue Phase Films. *ACS Applied Materials & Interfaces*, **2019**, 11, 46124-46131	9.5	25
75	Self-Assembled Porphyrin-Based Nanoparticles with Enhanced Near-Infrared Absorbance for Fluorescence Imaging and Cancer Photodynamic Therapy.. *ACS Applied Bio Materials*, **2019**, 2, 999-1005	4.1	14
74	Printable photonic polymer coating based on a monodomain blue phase liquid crystal network. *Journal of Materials Chemistry C*, **2019**, 7, 13764-13769	7.1	13
73	3D nanomaterial silica aerogel via diffusion of chiral compound driven broadband reflection in chiral nematic liquid crystals. *Liquid Crystals*, **2019**, 46, 952-962	2.3	8
72	Third-order nonlinear optical properties of the □licked□closed-ring spiropyrans. *Dyes and Pigments*, **2019**, 162, 451-458	4.6	6
71	Silica aerogel films via ambient pressure drying for broadband reflectors. *New Journal of Chemistry*, **2018**, 42, 6525-6531	3.6	8
70	Synthesis of chiral azobenzene derivatives and the performance in photochemical control of blue phase liquid crystal. *Liquid Crystals*, **2018**, 45, 370-380	2.3	32
69	Reversible solvent-sensitive actuator with continuous bending/debending process from liquid crystal elastomer-colloidal material. *Soft Matter*, **2018**, 14, 5547-5553	3.6	11
68	Binary "island" shaped arrays with high-density hot spots for surface-enhanced Raman scattering substrates. *Nanoscale*, **2018**, 10, 14220-14229	7.7	32
67	Bias-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	8.1	26
66	Effects of a chemically modified multiwall carbon nanotubes on electro-optical properties of PDLC films. *Liquid Crystals*, **2018**, 45, 1023-1031	2.3	29
65	The temperature range and optical properties of the liquid crystalline blue phase in inverse opal structures. *Journal of Materials Chemistry C*, **2018**, 6, 11071-11077	7.1	4
64	Synthesis and mesophase behaviour of branched azobenzene-based supramolecular hydrogen-bonded liquid crystals. *Liquid Crystals*, **2017**, 44, 593-602	2.3	12
63	Optical intensity-driven reversible photonic bandgaps in self-organized helical superstructures with handedness inversion. *Journal of Materials Chemistry C*, **2017**, 5, 3678-3683	7.1	33

62	Broadband reflective liquid crystal films induced by facile temperature-dependent coexistence of chiral nematic and TGB phase. *Liquid Crystals*, **2017**, 44, 582-592	2.3	12
61	Broadband reflection in polymer stabilized cholesteric liquid crystal films with stepwise photo-polymerization. *Physical Chemistry Chemical Physics*, **2017**, 19, 2353-2358	3.6	22
60	Nonlinear optical properties of the novel kind of organic donor-acceptor thiophene derivatives with click chemistry modification. *Tetrahedron*, **2017**, 73, 6210-6216	2.4	14
59	Nonlinear Optical Properties of Porphyrin Derivatives with Electron-donating or Electron-withdrawing Substituents. *Chinese Journal of Chemistry*, **2016**, 34, 381-386	4.9	8
58	Energy-level tuning of poly(p-phenylenebutadiynylene) derivatives by click chemistry-type postfunctionalization of side-chain alkynes. *Reactive and Functional Polymers*, **2016**, 105, 114-121	4.6	4
57	Facile synthesis of functional poly(vinylene sulfide)s containing donor–acceptor chromophores by a double click reaction. *RSC Advances*, **2016**, 6, 59327-59332	3.7	9
56	Synthesis and self-assembly behaviours of side-chain smectic thiol–ene polymers based on the polysiloxane backbone. *Journal of Materials Chemistry C*, **2016**, 4, 1425-1440	7.1	22
55	Click chemistry functionalization improving the wideband optical-limiting performance of fullerene derivatives. *Physical Chemistry Chemical Physics*, **2016**, 18, 7341-8	3.6	20
54	Effect of the dimeric H-bonded mesogens of chiral acids on the mesogenic and optical properties. *Liquid Crystals*, **2016**, 43, 874-885	2.3	4
53	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	2.3	17
52	Blue phase liquid crystals affected by graphene oxide modified with aminoazobenzol group. *Liquid Crystals*, **2016**, 43, 573-580	2.3	18
51	Chiral hydrogen-bonded complex with different mesogens length and its effect on the performances of blue phase. *Optical Materials Express*, **2016**, 6, 868	2.6	6
50	Third-order nonlinear optical properties of a novel series of azobenzene liquid crystal derivatives. *Molecular Crystals and Liquid Crystals*, **2016**, 630, 1-5	0.5	9
49	The effects of asymmetric bent-shaped compounds on the temperature range and electro-optical performances of liquid crystalline blue phases. *RSC Advances*, **2016**, 6, 110750-110757	3.7	5
48	Double UV polymerisation with variable temperature-controllable selective reflection of polymer-stabilised liquid crystal (PSLC) composites. *Liquid Crystals*, **2016**, 43, 1299-1306	2.3	10
47	The application of double click to synthesize a third-order nonlinear polymer containing donor–acceptor chromophores. *Polymer Chemistry*, **2016**, 7, 3714-3721	4.9	19
46	Preparation and optical properties of FeO nanoparticles-doped blue phase liquid crystal. *Physical Chemistry Chemical Physics*, **2016**, 18, 29028-29032	3.6	23
45	Third-order nonlinear optical properties of a novel series of D–A pyrene-aldehyde derivatives. *Journal of Nonlinear Optical Physics and Materials*, **2016**, 25, 1650014	0.8	30

44	Application of Near-IR Absorption Porphyrin Dyes Derived from Click Chemistry as Third-Order Nonlinear Optical Materials. *ChemistryOpen*, **2016**, 5, 71-7	2.3	13
43	Effect of bent-shape and calamitic-shape of hydrogen-bonded mesogens on the liquid crystalline properties. *Liquid Crystals*, **2015**, 42, 1191-1200	2.3	9
42	Study on the electro-optical properties of polyimide-based polymer-dispersed liquid crystal films. *Liquid Crystals*, **2015**, 42, 1689-1697	2.3	18
41	Pyrene-Based Small Molecular Nonlinear Optical Materials Modified by "Click-Reaction". *Journal of Electronic Materials*, **2015**, 44, 2883-2889	1.9	14
40	Engineering of Organic Chromophores with Large Second-Order Optical Nonlinearity and Superior Crystal Growth Ability. *Crystal Growth and Design*, **2015**, 15, 5560-5567	3.5	25
39	Effects of donor and acceptor on optoelectronic performance for porphyrin derivatives: Nonlinear optical properties and dye-sensitized solar cells. *Chemical Research in Chinese Universities*, **2015**, 31, 992-996	2.2	6
38	Synthesis and co-assembly of gold nanoparticles functionalized by a pyrene-thiol derivative. *RSC Advances*, **2015**, 5, 140-145	3.7	6
37	Flexible H-bonded liquid-crystals with wide enantiotropic blue phases. *Physical Chemistry Chemical Physics*, **2014**, 16, 5622-6	3.6	21
36	Broadband reflection of polymer-stabilized chiral nematic liquid crystals induced by a chiral azobenzene compound. *Chemical Communications*, **2014**, 50, 691-4	5.8	65
35	Light-controllable reflection wavelength of blue phase liquid crystals doped with azobenzene-dimers. *Chemical Communications*, **2013**, 49, 10097-9	5.8	69
34	Polymer-stabilized nanoparticle-enriched blue phase liquid crystals. *Journal of Materials Chemistry C*, **2013**, 1, 6526	7.1	62
33	Effect of lateral fluoro substituents of rodlike tolane cyano mesogens on blue phase temperature ranges. *Soft Matter*, **2013**, 9, 1172-1177	3.6	40
32	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	2.3	42
31	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		70
30	Low voltage and hysteresis-free blue phase liquid crystal dispersed by ferroelectric nanoparticles. *Journal of Materials Chemistry*, **2012**, 22, 19629		77
29	Hysteresis-free blue phase liquid-crystal-stabilized by ZnS nanoparticles. *Small*, **2012**, 8, 2189-93	11	126
28	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	2.3	44
27	Liquid crystalline and thermo-optical properties of cyclic siloxane tetramers containing cholestryl-4-allyloxy-benzoate and biphenyl-4-yl 4-allyloxybenzoate. *Liquid Crystals*, **2011**, 38, 9-15	2.3	16

26	Broadband reflection mechanism of polymer stabilised cholesteric liquid crystal (PSChLC) with pitch gradient. *Liquid Crystals*, **2011**, 38, 673-677	2.3	13
25	Synthesis and optical behaviour of hydrogen-bonded liquid crystals based on a chiral pyridine derivative. *Liquid Crystals*, **2011**, 38, 1217-1225	2.3	7
24	Broadband reflection characteristic of polymer-stabilised cholesteric liquid crystal with pitch gradient induced by a hydrogen bond. *Liquid Crystals*, **2010**, 37, 1275-1280	2.3	26
23	Bandwidth-controllable reflective cholesteric gels from photo- and thermally-induced processes. *Liquid Crystals*, **2010**, 37, 311-316	2.3	15
22	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		59
21	Super wide-band reflective polarisers from polymer stabilised liquid crystal films. *Liquid Crystals*, **2009**, 36, 497-501	2.3	7
20	Wide Blue Phase Range in a Hydrogen-Bonded Self-Assembled Complex of Chiral Fluoro-Substituted Benzoic Acid and Pyridine Derivative. *Advanced Materials*, **2009**, 21, 2050-2053	24	172
19	Polymer stabilized liquid crystal films reflecting both right- and left-circularly polarized light. *Applied Physics Letters*, **2008**, 93, 201901	3.4	89
18	Wide-band reflective polarizers from cholesteric liquid crystals with stable optical properties. *Journal of Applied Polymer Science*, **2007**, 105, 2973-2977	2.9	32
17	Role of Fluorescent Material on Electro-optical Performance of PDLC Devices. *Liquid Crystals*,1-10	2.3	1
16	Broadband reflection cholesteric liquid crystal film fabricated by near-infrared photothermal response technology. *Liquid Crystals*,1-11	2.3	0
15	Influence of ZnO NPs on morphological and electro-optical properties of polymer-dispersed liquid crystals. *Liquid Crystals*,1-10	2.3	4
14	Broadband reflection in polymer-stabilized cholesteric liquid crystal film with zinc oxide nanoparticles film thermal diffusion method. *Liquid Crystals*,1-10	2.3	3
13	The relationship between crosslinker, liquid crystal, and magnetic nanomaterial doping on electro-optical properties of PDLC. *Liquid Crystals*,1-11	2.3	0
12	Broadband reflection prepared by loading chiral dopants in white carbon black. *Liquid Crystals*,1-9	2.3	1
11	Studies on electro-optical properties of polymer dispersed liquid crystals doped with reticular nanofiber films prepared by electrospinning. *Liquid Crystals*,1-9	2.3	4
10	Polymer dispersed liquid crystals doped with CeO2 nanoparticles for the smart window. *Liquid Crystals*,1-10	2.3	8
9	Doping white carbon black particles to adjust the electro-opticical properties of PDLC. *Liquid Crystals*,1-10	2.3	1

8	Thermally bandwidth-controllable reflective liquid crystal films prepared by doping nano-sized electrospun fibers. *Liquid Crystals*,1-9	2.3	2
7	Preparation of cholesteric polymer networks with broadband reflection memory effect. *Liquid Crystals*,1-9	2.3	2
6	Spin-Dependent Charge Transport in 1D Chiral Hybrid Lead-Bromide Perovskite with High Stability. *Advanced Functional Materials*,2104605	15.6	9
5	Self-diffusion method for broadband reflection in polymer-stabilized cholesteric liquid crystal films. *Liquid Crystals*,1-10	2.3	1
4	Preparation and properties of water-responsive films with color controllable based on liquid crystal and poly(ethylene glycol) interpenetrating polymer network. *Liquid Crystals*,1-9	2.3	1
3	Mesophase properties of fluorene-core mesogens and their effects on blue phase liquid crystals. *Liquid Crystals*,1-11	2.3	1
2	Cholesteric liquid crystal films with adjustable wavelength band and reflectance by using wash-out/refill technique and light-responsive compounds. *Liquid Crystals*,1-11	2.3	1
1	Low voltage tunable cholesteric liquid crystal based on electrochemical process. *Liquid Crystals*,1-11	2.3	