

# Jinbao Guo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5483028/publications.pdf>

Version: 2024-02-01

79  
papers

2,841  
citations

136950

32  
h-index

189892

50  
g-index

80  
all docs

80  
docs citations

80  
times ranked

2103  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	21.0	185
2	Optically Rewritable Transparent Liquid Crystal Displays Enabled by Light-Driven Chiral Fluorescent Molecular Switches. <i>Advanced Materials</i> , 2019, 31, e1807751.	21.0	153
3	Fluorescent Photochromic Cyanodiarylethene Molecular Switches: An Emerging and Promising Class of Functional Diarylethene. <i>Advanced Functional Materials</i> , 2021, 31, 2007957.	14.9	131
4	A bio-inspired cellulose nanocrystal-based nanocomposite photonic film with hyper-reflection and humidity-responsive actuator properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9687-9696.	5.5	123
5	Polymer stabilized liquid crystal films reflecting both right- and left-circularly polarized light. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	113
6	1,2-Dithienyldicyanoethene-Based, Visible-Light-Driven, Chiral Fluorescent Molecular Switch: Rewritable Multimodal Photonic Devices. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16052-16056.	13.8	112
7	Thermally Driven Photonic Actuator Based on Silica Opal Photonic Crystal with Liquid Crystal Elastomer. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9440-9445.	8.0	100
8	Circularly polarized luminescent self-organized helical superstructures: From materials and stimulus-responsiveness to applications. <i>Aggregate</i> , 2021, 2, e141.	9.9	86
9	Phototuning Energy Transfer in Self-Organized Luminescent Helical Superstructures for Photonic Applications. <i>Advanced Optical Materials</i> , 2020, 8, 2000107.	7.3	73
10	Fabrication of multi-pitched photonic structure in cholesteric liquid crystals based on a polymer template with helical structure. <i>Journal of Materials Chemistry</i> , 2010, 20, 4094.	6.7	69
11	Irradiation-Wavelength Directing Circularly Polarized Luminescence in Self-Organized Helical Superstructures Enabled by Hydrogen-Bonded Chiral Fluorescent Molecular Switches. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27158-27163.	13.8	66
12	Phototriggered Selective Actuation and Self-Oscillating in Dual-Phase Liquid Crystal Photonic Actuators. <i>Advanced Optical Materials</i> , 2018, 6, 1800131.	7.3	65
13	Reversible chirality inversion of circularly polarized luminescence in a photo-invertible helical cholesteric superstructure. <i>Chemical Communications</i> , 2019, 55, 14590-14593.	4.1	65
14	Bio-inspired thermal-responsive inverse opal films with dual structural colors based on liquid crystal elastomer. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4424-4430.	5.5	64
15	Dicyanodistyrylbenzene-Based Chiral Fluorescence Photoswitches: An Emerging Class of Multifunctional Switches for Dual-Mode Phototunable Liquid Crystals. <i>Advanced Optical Materials</i> , 2017, 5, 1700014.	7.3	62
16	Stimuli-responsive circularly polarized luminescent films with tunable emission. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1459-1465.	5.5	59
17	Effect of Network Concentration on the Performance of Polymer-Stabilized Cholesteric Liquid Crystals with a Double-Handed Circularly Polarized Light Reflection Band. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16538-16543.	3.1	57
18	Highly stable and stretchable graphene-polymer processed silver nanowires hybrid electrodes for flexible displays. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1528-1536.	5.5	56

#	ARTICLE	IF	CITATIONS
19	Effects of monomer structure on the morphology of polymer network and the electro-optical property of reverse-mode polymer-stabilized cholesteric texture. <i>Journal of Applied Polymer Science</i> , 2009, 111, 1353-1357.	2.6	48
20	Green synthesis of silver nanowires via ultraviolet irradiation catalyzed by phosphomolybdic acid and their antibacterial properties. <i>New Journal of Chemistry</i> , 2013, 37, 2179.	2.8	48
21	Fast, Real-Time, In Situ Monitoring of Solar Ultraviolet Radiation Using Sunlight-Driven Photoresponsive Liquid Crystals. <i>Advanced Optical Materials</i> , 2018, 6, 1701337.	7.3	47
22	Near-infrared light-controlled circularly polarized luminescence of self-organized emissive helical superstructures assisted by upconversion nanoparticles. <i>Chemical Communications</i> , 2020, 56, 13649-13652.	4.1	42
23	ITO-Free, Compact, Color Liquid Crystal Devices Using Integrated Structural Color Filters and Graphene Electrodes. <i>Advanced Optical Materials</i> , 2014, 2, 435-441.	7.3	40
24	Stabilization and optical switching of liquid crystal blue phase doped with azobenzene-based bent-shaped hydrogen-bonded assemblies. <i>RSC Advances</i> , 2015, 5, 67357-67364.	3.6	40
25	Reflectance properties of polymer-stabilised cholesteric liquid crystals cells with cholesteryl compounds of different functionality. <i>Liquid Crystals</i> , 2008, 35, 87-97.	2.2	39
26	Multidimensional Encryption in Emissive Liquid Crystal Elastomers through Synergistic Usage of Photorewritable Fluorescent Patterning and Reconfigurable 3D Shaping. <i>Advanced Functional Materials</i> , 2022, 32, 2107145.	14.9	38
27	Electrothermal Switching Characteristics from a Hydrogen-Bonded Polymer Network Structure in Cholesteric Liquid Crystals with a Double-Handed Circularly Polarized Light Reflection Band. <i>Journal of Physical Chemistry B</i> , 2011, 115, 861-868.	2.6	36
28	Photoinduced Dual-Mode Luminescent Patterns in Dicyanostilbene-Based Liquid Crystal Polymer Films for Anticounterfeiting Application. <i>ACS Applied Polymer Materials</i> , 2019, 1, 746-754.	4.4	36
29	Stabilization of blue phases by hydrogen-bonded bent-shaped and T-shaped molecules featuring a branched terminal group. <i>Soft Matter</i> , 2013, 9, 10186.	2.7	35
30	Stabilizing blue phases of a simple cyanobiphenyl compound by addition of achiral mesogen monomer with a branched end group and chiral hydrogen-bonded assemblies. <i>Journal of Materials Chemistry C</i> , 2013, 1, 947-957.	5.5	35
31	Light-induced wide range color switching of liquid crystal blue phase doped with hydrogen-bonded chiral azobenzene switches. <i>RSC Advances</i> , 2014, 4, 28597-28600.	3.6	35
32	Realisation of cholesteric liquid-crystalline materials reflecting both right- and left-circularly polarised light using the wash-out/refill technique. <i>Liquid Crystals</i> , 2010, 37, 171-178.	2.2	34
33	1,2-Dithienyldicyanoethene-Based, Visible-Light-Driven, Chiral Fluorescent Molecular Switch: Rewritable Multimodal Photonic Devices. <i>Angewandte Chemie</i> , 2019, 131, 16198-16202.	2.0	34
34	Photoswitchable molecular switches featuring both axial and tetrahedral chirality. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7346.	5.5	31
35	Hydrogen-bonded chiral molecular switches: photo- and thermally-reversible switchable full range color in the self-organized helical superstructure. <i>New Journal of Chemistry</i> , 2015, 39, 254-261.	2.8	31
36	Polyoxometalate-based organic-inorganic hybrids for stabilization and optical switching of the liquid crystal blue phase. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4179-4187.	5.5	30

#	ARTICLE	IF	CITATIONS
37	Effects of terminal chain length in hydrogen-bonded chiral switches on phototunable behavior of chiral nematic liquid crystals: helicity inversion and phase transition. <i>Soft Matter</i> , 2015, 11, 3034-3045.	2.7	30
38	A color-changing plasmonic actuator based on silver nanoparticle array/liquid crystalline elastomer nanocomposites. <i>New Journal of Chemistry</i> , 2016, 40, 7311-7319.	2.8	30
39	Effects of fabrication condition on the network morphology and electro-optical characteristics of polymer-dispersed bistable smectic A liquid crystal device. <i>Liquid Crystals</i> , 2013, 40, 581-588.	2.2	29
40	Modulated Visible Light Upconversion for Luminescence Patterns in Liquid Crystal Polymer Networks Loaded with Upconverting Nanoparticles. <i>Advanced Optical Materials</i> , 2017, 5, 1600956.	7.3	28
41	Novel photo-polymerizable chiral hydrogen-bonded self-assembled complexes: Preparation, characterization and the utilization as a thermal switching reflective color film. <i>Journal of Materials Chemistry</i> , 2011, 21, 8574.	6.7	26
42	Dual-Responsive SPMA-Modified Polymer Photonic Crystals and Their Dynamic Display Patterns. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800134.	3.9	23
43	Photo- and thermal switching of blue phase films reflecting both right- and left-circularly polarized light. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9159-9166.	5.5	22
44	A NIR light-triggered pyroelectric-dominated generator based on a liquid crystal elastomer composite actuator for photoelectric conversion and self-powered sensing. <i>RSC Advances</i> , 2018, 8, 40856-40865.	3.6	22
45	Photoswitchable Fluorescent Liquid Crystal Nanoparticles and Their Inkjet-Printed Patterns for Information Encrypting and Anti-Counterfeiting. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900346.	2.3	21
46	Turn-On Mode Circularly Polarized Luminescence in Self-Organized Cholesteric Superstructure for Active Photonic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 30362-30370.	8.0	19
47	Fabrication of cholesteric liquid crystal microcapsulates by interfacial polymerization and potential as photonic materials. <i>RSC Advances</i> , 2013, 3, 21620.	3.6	18
48	Dicyanodistyrylthiophene-Based Emissive Chiral Photoswitches: Effect of the Position of the Cyano Group on Reversible Photoisomerization and Fatigue Resistance. <i>ChemPhotoChem</i> , 2019, 3, 480-486.	3.0	18
49	Synthesis and characterization of functionalized triblock polymer: The prepared polymer is cholesteryl terminated and chain-extended PCL. <i>Journal of Applied Polymer Science</i> , 2007, 105, 3505-3512.	2.6	17
50	Broadband reflection in polymer stabilized cholesteric liquid crystal cells with chiral monomers derived from cholesterol. <i>Polymers for Advanced Technologies</i> , 2008, 19, 1504-1512.	3.2	17
51	Thermo-responsive shape and optical memories of photonic composite films enabled by glassy liquid crystalline polymer networks. <i>Soft Matter</i> , 2016, 12, 8534-8541.	2.7	16
52	Near-infrared light-induced photoisomerization and photodissociation of a chiral fluorescent photoswitch in cholesteric liquid crystals assisted by upconversion nanoparticles. <i>Soft Matter</i> , 2021, 17, 1404-1408.	2.7	16
53	Effects on thermo-optical properties of the composition of a polymer-stabilised liquid crystal with a smectic A chiral nematic phase transition. <i>Liquid Crystals</i> , 2008, 35, 1151-1160.	2.2	15
54	Microencapsulation of a functional dye and its UV crosslinking controlled releasing behavior. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3630-3639.	2.3	14

#	ARTICLE	IF	CITATIONS
55	A photoswitchable circularly polarized luminescent cholesteric superstructure: direct visualization and dynamic modulation of the amplified luminescence dissymmetry factor. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7311-7318.	5.5	14
56	Polymer network microstructures and electro-optical properties of a pressure-sensitive cholesteric liquid crystal device. <i>RSC Advances</i> , 2013, 3, 17822.	3.6	11
57	Flexible Bistable Smectic-A Liquid Crystal Device Using Photolithography and Photoinduced Phase Separation. <i>Advances in Condensed Matter Physics</i> , 2012, 2012, 1-9.	1.1	10
58	The effect of monomer structures on photopolymerization kinetics and volume shrinkage behavior for plasma display panel barrier rib. <i>Journal of Applied Polymer Science</i> , 2012, 125, 77-87.	2.6	10
59	Fluorinated silsesquioxane-based photoresist as an ideal high-performance material for ultraviolet nanoimprinting. <i>RSC Advances</i> , 2014, 4, 44073-44081.	3.6	10
60	Stabilization and electro-optical switching of liquid crystal blue phases using unpolymerized and polymerized polyoxometalate-based nanoparticles. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 634, 12-23.	0.9	10
61	Effect of specific rotation of chiral dopant and polymerization temperature on reflectance properties of polymer stabilized cholesteric liquid crystal cells. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 1562-1570.	2.1	9
62	Super wide-band reflective polarisers from polymer stabilised liquid crystal films. <i>Liquid Crystals</i> , 2009, 36, 497-501.	2.2	8
63	Biomimetic jagged micropatterns templated from photoswitchable liquid crystal topography for energy harvesting and sensing applications. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1808-1815.	5.5	7
64	Induction of a helical superstructure in photoresponsive liquid crystals: switching from linearly polarized to circularly polarized luminescence. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1844-1849.	5.9	7
65	Irradiation-Wavelength Directing Circularly Polarized Luminescence in Self-Organized Helical Superstructures Enabled by Hydrogen Bonded Chiral Fluorescent Molecular Switches. <i>Angewandte Chemie</i> , 0, , .	2.0	6
66	Electrically Induced Multicolored Hyper-Reflection and Bistable Switching from a Polymer-Dispersed Cholesteric Liquid Crystal and a Templated Helical Polymer. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 582, 21-33.	0.9	5
67	Chiral assembly and plasmonic response of silver nanoparticles in a three-dimensional blue-phase nanostructure template. <i>New Journal of Chemistry</i> , 2015, 39, 1899-1904.	2.8	5
68	Study on synthesis and photochemical behavior of carbamate photobase generators for fluorescence imaging. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	4
69	Photobase generating monomers: synthesis, evaluation and utilization for fabricating fluorescence patterns. <i>RSC Advances</i> , 2014, 4, 19362.	3.6	4
70	Effect of the position of cyano group in $\hat{I}\pm$ -cyano-functionalised diarylethene chiral fluorescent photoswitches on phototunable behaviours of cholesteric liquid crystals. <i>Liquid Crystals</i> , 2021, 48, 1247-1256.	2.2	4
71	Inclusion complexes of $\text{cholesteryl-}\{\epsilon\text{-caprolactone}\}_{\overline{10}}$ functionalized polymer with $\beta$ -cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2008, 60, 95-101.	1.6	3
72	Preparation and reflectance properties of new cholesteric liquid crystalline copolymers containing cholesteryl group. <i>Polymer Engineering and Science</i> , 2009, 49, 937-944.	3.1	3

#	ARTICLE	IF	CITATIONS
73	Kinetic analysis of solid-state photodimerization reaction of photosensitive monomers and a polymer with cinnamoyl moieties. <i>Journal of Applied Polymer Science</i> , 2010, 116, 3569-3580.	2.6	3
74	Polarized upconverting luminescence in a liquid crystal polymer network/upconversion nanorods composite film. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 669, 36-45.	0.9	3
75	Supramolecular inclusion complexes of biodegradable cholesteryl-( $\mu$ -caprolactone) <sub>n</sub> functionalized polymer with $\beta$ -cyclodextrin. <i>Journal of Applied Polymer Science</i> , 2007, 105, 1700-1706.	2.6	2
76	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.	2.2	2
77	Light-control birefringence of oriented poly(vinyl cinnamate) by UV irradiation. <i>Journal of Applied Polymer Science</i> , 2010, 116, 3367-3372.	2.6	1
78	Photo-Thermal Modulation of Cholesteric Liquid Crystals with a Dual Circularly Polarized Light Reflection Band. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 608, 91-102.	0.9	0
79	InnenrÃ¼cktitelbild: Irradiation-Wavelength Directing Circularly Polarized Luminescence in Self-Organized Helical Superstructures Enabled by Hydrogen-Bonded Chiral Fluorescent Molecular Switches ( <i>Angew. Chem.</i> 52/2021). <i>Angewandte Chemie</i> , 2021, 133, 27539-27539.	2.0	0