

Quan Li

List of Publications by Year in descending order

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211
papers

16,170
citations

11608

70
h-index

18606

119
g-index

260
all docs

260
docs citations

260
times ranked

9883
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for a significant urbanization effect on climate in China. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9540-9544.	3.3	709
2	Light-Driven Liquid Crystalline Materials: From Photo-Induced Phase Transitions and Property Modulations to Applications. Chemical Reviews, 2016, 116, 15089-15166.	23.0	671
3	Photochromism into nanosystems: towards lighting up the future nanoworld. Chemical Society Reviews, 2018, 47, 1044-1097.	18.7	549
4	Three-dimensional control of the helical axis of a chiral nematic liquid crystal by light. Nature, 2016, 531, 352-356.	13.7	435
5	Light-Driven Chiral Molecular Switches or Motors in Liquid Crystals. Advanced Materials, 2012, 24, 1926-1945.	11.1	404
6	Light-Directing Chiral Liquid Crystal Nanostructures: From 1D to 3D. Accounts of Chemical Research, 2014, 47, 3184-3195.	7.6	357
7	Macroscopic contraction of a gel induced by the integrated motion of light-driven molecular motors. Nature Nanotechnology, 2015, 10, 161-165.	15.6	301
8	Liquid Crystals: Versatile Self-Organized Smart Soft Materials. Chemical Reviews, 2022, 122, 4887-4926.	23.0	288
9	Stimuli-Directing Self-Organized 3D Liquid-Crystalline Nanostructures: From Materials Design to Photonic Applications. Advanced Functional Materials, 2016, 26, 10-28.	7.8	264
10	Nature-Inspired Emerging Chiral Liquid Crystal Nanostructures: From Molecular Self-Assembly to DNA Mesophase and Nanocolloids. Advanced Materials, 2020, 32, e1801335.	11.1	263
11	Reversible Near-Infrared Light Directed Reflection in a Self-Organized Helical Superstructure Loaded with Upconversion Nanoparticles. Journal of the American Chemical Society, 2014, 136, 4480-4483.	6.6	257
12	Electrically Tunable Selective Reflection of Light from Ultraviolet to Visible and Infrared by Heliconical Cholesterics. Advanced Materials, 2015, 27, 3014-3018.	11.1	257
13	Light-Driven Linear Helical Supramolecular Polymer Formed by Molecular-Recognition-Directed Self-Assembly of Bis(<i>p</i> -sulfonatocalix[4]arene) and Pseudorotaxane. Journal of the American Chemical Society, 2013, 135, 5990-5993.	6.6	247
14	Light-Directed Dynamic Chirality Inversion in Functional Self-Organized Helical Superstructures. Angewandte Chemie - International Edition, 2016, 55, 2994-3010.	7.2	237
15	Reversible Photoswitchable Axially Chiral Dopants with High Helical Twisting Power. Journal of the American Chemical Society, 2007, 129, 12908-12909.	6.6	225
16	Luminescence-Driven Reversible Handedness Inversion of Self-Organized Helical Superstructures Enabled by a Novel Near-Infrared Light Nanotransducer. Advanced Materials, 2015, 27, 2065-2069.	11.1	225
17	Near-Infrared Light-Driven Shape-Morphing of Programmable Anisotropic Hydrogels Enabled by MXene Nanosheets. Angewandte Chemie - International Edition, 2021, 60, 3390-3396.	7.2	213
18	Stimuli-Driven Control of the Helical Axis of Self-Organized Soft Helical Superstructures. Advanced Materials, 2018, 30, e1706512.	11.1	205

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19	Beyond the Visible: Bioinspired Infrared Adaptive Materials. <i>Advanced Materials</i> , 2021, 33, e2004754.	11.1	201
20	Stimuli-directed self-organized chiral superstructures for adaptive windows enabled by mesogen-functionalized graphene. <i>Materials Today</i> , 2017, 20, 230-237.	8.3	194
21	Dual-light control of nanomachines that integrate motor and modulator subunits. <i>Nature Nanotechnology</i> , 2017, 12, 540-545.	15.6	190
22	Light-driven nanoscale chiral molecular switch: reversible dynamic full range color phototuning. <i>Chemical Communications</i> , 2010, 46, 3463.	2.2	174
23	Dynamic Control of Light Direction Enabled by Stimuli-Responsive Liquid Crystal Gratings. <i>Advanced Materials</i> , 2019, 31, e1806172.	11.1	170
24	Light-Driven Reversible Handedness Inversion in Self-Organized Helical Superstructures. <i>Journal of the American Chemical Society</i> , 2010, 132, 18361-18366.	6.6	166
25	Red, Green and Blue Reflections Enabled in an Optically Tunable Self-Organized 3D Cubic Nanostructured Thin Film. <i>Advanced Materials</i> , 2013, 25, 5050-5054.	11.1	158
26	Going beyond the limit of an LCD's color gamut. <i>Light: Science and Applications</i> , 2017, 6, e17043-e17043.	7.7	157
27	Optically Rewritable Transparent Liquid Crystal Displays Enabled by Light-Driven Chiral Fluorescent Molecular Switches. <i>Advanced Materials</i> , 2019, 31, e1807751.	11.1	153
28	Light-Directing Omnidirectional Circularly Polarized Reflection from Liquid-Crystal Droplets. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2160-2164.	7.2	150
29	Reversible Light-Directed Red, Green, and Blue Reflection with Thermal Stability Enabled by a Self-Organized Helical Superstructure. <i>Journal of the American Chemical Society</i> , 2012, 134, 9573-9576.	6.6	149
30	Stimulus-driven liquid metal and liquid crystal network actuators for programmable soft robotics. <i>Materials Horizons</i> , 2021, 8, 2475-2484.	6.4	142
31	Phototunable Azobenzene Cholesteric Liquid Crystals with 2000 nm Range. <i>Advanced Functional Materials</i> , 2009, 19, 3484-3488.	7.8	141
32	Directing Dynamic Control of Red, Green, and Blue Reflection Enabled by a Light-Driven Self-Organized Helical Superstructure. <i>Advanced Materials</i> , 2011, 23, 5069-5073.	11.1	138
33	Reversible Visible-Light Tuning of Self-Organized Helical Superstructures Enabled by Unprecedented Light-Driven Axially Chiral Molecular Switches. <i>Journal of the American Chemical Society</i> , 2012, 134, 3342-3345.	6.6	137
34	Room temperature heliconical twist-bend nematic liquid crystal. <i>CrystEngComm</i> , 2015, 17, 2778-2782.	1.3	135
35	Photochemically and Thermally Driven Full-Color Reflection in a Self-Organized Helical Superstructure Enabled by a Halogen-Bonded Chiral Molecular Switch. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1627-1631.	7.2	131
36	Digitalizing Self-Assembled Chiral Superstructures for Optical Vortex Processing. <i>Advanced Materials</i> , 2018, 30, 1705865.	11.1	131

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37	Fluorescent Photochromic π -Cyanodiarylethene Molecular Switches: An Emerging and Promising Class of Functional Diarylethene. <i>Advanced Functional Materials</i> , 2021, 31, 2007957.	7.8	131
38	Photodynamic Chiral Molecular Switches with Thermal Stability: From Reflection Wavelength Tuning to Handedness Inversion of Self-Organized Helical Superstructures. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13703-13707.	7.2	129
39	Photoresponsive Monodisperse Cholesteric Liquid Crystalline Microshells for Tunable Omnidirectional Lasing Enabled by a Visible Light-Driven Chiral Molecular Switch. <i>Advanced Optical Materials</i> , 2014, 2, 845-848.	3.6	128
40	Bioinspired Phototropic MXene-Reinforced Soft Tubular Actuators for Omnidirectional Light-Tracking and Adaptive Photovoltaics. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	127
41	Bioinspired Synergistic Photochromic Luminescence and Programmable Liquid Crystal Actuators. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11247-11251.	7.2	125
42	Liquid-Crystal-Mediated Geometric Phase: From Transmissive to Broadband Reflective Planar Optics. <i>Advanced Materials</i> , 2020, 32, e1903665.	11.1	124
43	Supramolecular Chirality Transfer toward Chiral Aggregation: Asymmetric Hierarchical Self-Assembly. <i>Advanced Science</i> , 2021, 8, 2002132.	5.6	124
44	Light-Patterned Crystallographic Direction of a Self-Organized 3D Soft Photonic Crystal. <i>Advanced Materials</i> , 2017, 29, 1703165.	11.1	120
45	Soft Materials Driven by Photothermal Effect and Their Applications. <i>Advanced Optical Materials</i> , 2018, 6, 1800458.	3.6	120
46	An Efficient Near-Infrared Emissive Artificial Supramolecular Light-Harvesting System for Imaging in the Golgi Apparatus. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10493-10497.	7.2	116
47	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.	7.2	112
48	Splay bend elasticity of a bent-core nematic liquid crystal. <i>Physical Review E</i> , 2010, 81, 010702.	0.8	108
49	Room-temperature high-sensitivity H ₂ S gas sensor based on dendritic ZnO nanostructures with macroscale in appearance. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	107
50	Chirality invertible superstructure mediated active planar optics. <i>Nature Communications</i> , 2019, 10, 2518.	5.8	106
51	Azoarenes with Opposite Chiral Configurations: Light-Driven Reversible Handedness Inversion in Self-Organized Helical Superstructures. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8925-8929.	7.2	101
52	Covalent Adaptable Liquid Crystal Networks Enabled by Reversible Ring-Opening Cascades of Cyclic Disulfides. <i>Journal of the American Chemical Society</i> , 2021, 143, 12543-12551.	6.6	101
53	Nature-Inspired light-harvesting liquid crystalline porphyrins for organic photovoltaics. <i>Liquid Crystals</i> , 2008, 35, 233-239.	0.9	98
54	Digitalized Geometric Phases for Parallel Optical Spin and Orbital Angular Momentum Encoding. <i>ACS Photonics</i> , 2017, 4, 1333-1338.	3.2	93

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55	NIR light-directing self-organized 3D photonic superstructures loaded with anisotropic plasmonic hybrid nanorods. <i>Chemical Communications</i> , 2015, 51, 15039-15042.	2.2	92
56	Healable and Rearrangeable Networks of Liquid Crystal Elastomers Enabled by Diselenide Bonds. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16394-16398.	7.2	92
57	Self-Assembly of Porphyrin and Fullerene Supramolecular Complex into Highly Ordered Nanostructure by Simple Thermal Annealing. <i>Chemistry of Materials</i> , 2008, 20, 3551-3553.	3.2	90
58	Thermo- and Mechanochromic Camouflage and Self-Healing in Biomimetic Soft Actuators Based on Liquid Crystal Elastomers. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115755.	7.2	90
59	Bilayer- and bulk-heterojunction solar cells using liquid crystalline porphyrins as donors by solution processing. <i>Applied Physics Letters</i> , 2007, 91, 253505.	1.5	87
60	Liquid crystal-templated chiral nanomaterials: from chiral plasmonics to circularly polarized luminescence. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	87
61	Circularly polarized luminescent self-organized helical superstructures: From materials and stimulus-responsiveness to applications. <i>Aggregate</i> , 2021, 2, e141.	5.2	86
62	Fast switchable grating based on orthogonal photo alignments of ferroelectric liquid crystals. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	85
63	Frequency-Driven Self-Organized Helical Superstructures Loaded with Mesogen-Grafted Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13090-13094.	7.2	85
64	Photoprogrammable Mesogenic Soft Helical Architectures: A Promising Avenue toward Future Chiro-Optics. <i>Advanced Materials</i> , 2020, 32, e1905318.	11.1	84
65	Optically reconfigurable chiral microspheres of self-organized helical superstructures with handedness inversion. <i>Materials Horizons</i> , 2017, 4, 1190-1195.	6.4	83
66	Solvent polarity driven helicity inversion and circularly polarized luminescence in chiral aggregation induced emission fluorophores. <i>Chemical Science</i> , 2020, 11, 9989-9993.	3.7	81
67	Thermally reversible full color selective reflection in a self-organized helical superstructure enabled by a bent-core oligomesogen exhibiting a twist-bend nematic phase. <i>Materials Horizons</i> , 2016, 3, 442-446.	6.4	80
68	Liquid crystal gratings based on alternate TN and PA photoalignment. <i>Optics Express</i> , 2012, 20, 5384.	1.7	79
69	Photoresponsive Actuators Built from Carbon-Based Soft Materials. <i>Advanced Optical Materials</i> , 2019, 7, 1900069.	3.6	78
70	Ammonia intercalated flower-like MoS ₂ nanosheet film as electrocatalyst for high efficient and stable hydrogen evolution. <i>Scientific Reports</i> , 2016, 6, 31092.	1.6	76
71	Reversible Circularly Polarized Reflection in a Self-Organized Helical Superstructure Enabled by a Visible-Light-Driven Axially Chiral Molecular Switch. <i>Journal of the American Chemical Society</i> , 2019, 141, 8078-8082.	6.6	74
72	The Halogen Bond: An Emerging Supramolecular Tool in the Design of Functional Mesomorphic Materials. <i>Chemistry - A European Journal</i> , 2019, 25, 1369-1378.	1.7	73

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73	Size- and Shape-Dependent Fluorescence Quenching of Gold Nanoparticles on Perylene Dye. <i>Advanced Optical Materials</i> , 2013, 1, 581-587.	3.6	72
74	Self-Assembled Graphene-Based Architectures and Their Applications. <i>Advanced Science</i> , 2018, 5, 1700626.	5.6	70
75	Visible-Light-Driven Halogen Bond Donor Based Molecular Switches: From Reversible Unwinding to Handedness Inversion in Self-Organized Soft Helical Superstructures. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2684-2687.	7.2	69
76	Stimulated transformation of soft helix among helicoidal, heliconical, and their inverse helices. <i>Science Advances</i> , 2019, 5, eaax9501.	4.7	68
77	Controllable Dynamic Zigzag Pattern Formation in a Soft Helical Superstructure. <i>Advanced Materials</i> , 2017, 29, 1701903.	11.1	67
78	Thermally, photochemically and electrically switchable reflection colors from self-organized chiral bent-core liquid crystals. <i>Journal of Materials Chemistry</i> , 2011, 21, 2098-2103.	6.7	66
79	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.	7.2	66
80	Magnetically tunable selective reflection of light by heliconical cholesterics. <i>Physical Review E</i> , 2016, 94, 042705.	0.8	64
81	Photochemically Reversible and Thermally Stable Axially Chiral Diarylethene Switches. <i>Organic Letters</i> , 2012, 14, 4362-4365.	2.4	62
82	Dynamic Orthogonal Switching of a Thermoresponsive Self-Organized Helical Superstructure. <i>Advanced Materials</i> , 2017, 29, 1700676.	11.1	62
83	Electrically switchable, photoaddressable cholesteric liquid crystal reflectors. <i>Optics Express</i> , 2010, 18, 173.	1.7	61
84	Light-Driven Wide-Range Nonmechanical Beam Steering and Spectrum Scanning Based on a Self-Organized Liquid Crystal Grating Enabled by a Chiral Molecular Switch. <i>Advanced Optical Materials</i> , 2015, 3, 166-170.	3.6	61
85	Stimuli directed alignment of self-organized one-dimensional semiconducting columnar liquid crystal nanostructures for organic electronics. <i>Progress in Materials Science</i> , 2019, 104, 1-52.	16.0	61
86	Near infrared light-driven liquid crystal phase transition enabled by hydrophobic mesogen grafted plasmonic gold nanorods. <i>Chemical Communications</i> , 2015, 51, 9845-9848.	2.2	60
87	Rationally Designed Dynamic Superstructures Enabled by Photoaligning Cholesteric Liquid Crystals. <i>Advanced Optical Materials</i> , 2015, 3, 1691-1696.	3.6	58
88	Photodeformable Liquid Crystalline Polymers Containing Functional Additives: Toward Photomanipulatable Intelligent Soft Systems. <i>Small Structures</i> , 2021, 2, 2100038.	6.9	58
89	Light-Driven Reversible Transformation between Self-Organized Simple Cubic Lattice and Helical Superstructure Enabled by a Molecular Switch Functionalized Nanocage. <i>Advanced Materials</i> , 2018, 30, e1800237.	11.1	57
90	Self-assembly of discotic liquid crystal porphyrin into more controllable ordered nanostructure mediated by fluorophobic effect. <i>Liquid Crystals</i> , 2009, 36, 269-274.	0.9	56

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91	Synthesis of Novel Thermally Reversible Photochromic Axially Chiral Spirooxazines. <i>Organic Letters</i> , 2010, 12, 3552-3555.	2.4	56
92	Light-fueled transient supramolecular assemblies in water as fluorescence modulators. <i>Nature Communications</i> , 2021, 12, 4993.	5.8	56
93	Liquid Crystals in Curved Confined Geometries: Microfluidics Bring New Capabilities for Photonic Applications and Beyond. <i>Langmuir</i> , 2021, 37, 3789-3807.	1.6	55
94	A photoswitchable and thermally stable axially chiral dithienylperfluorocyclopentene dopant with high helical twisting power. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3917.	2.7	51
95	Light-driven molecular switches with tetrahedral and axial chirality. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3930.	1.5	50
96	Lichtgesteuerte dynamische Chiralitätsumkehr in funktionalen selbstorganisierten helikalen Äckerstrukturen. <i>Angewandte Chemie</i> , 2016, 128, 3046-3063.	1.6	49
97	Near-Infrared Light-Directed Handedness Inversion in Plasmonic Nanorod-Embedded Helical Superstructure. <i>Advanced Optical Materials</i> , 2016, 4, 247-251.	3.6	49
98	Organo-soluble photoresponsive azo thiol monolayer-protected gold nanorods. <i>Chemical Communications</i> , 2009, , 2109.	2.2	48
99	Visible Light-Driven Molecular Switches and Motors: Recent Developments and Applications. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	48
100	Light-Driven Reversible Alignment Switching of Liquid Crystals Enabled by Azo Thiol Grafted Gold Nanoparticles. <i>ChemPhysChem</i> , 2015, 16, 1852-1856.	1.0	47
101	Synthesis and Characterization of Thermally Irreversible Photochromic Cholesteric Liquid Crystals. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3409-3415.	1.2	46
102	Synthesis and Characterization of Light-Driven Dithienylcyclopentene Switches with Axial Chirality. <i>Journal of Organic Chemistry</i> , 2011, 76, 7148-7156.	1.7	46
103	Polarization-independent blue-phase liquid-crystal gratings driven by vertical electric field. <i>Journal of the Society for Information Display</i> , 2012, 20, 341-346.	0.8	45
104	Light-Responsive Smart Soft Matter Technologies. <i>Advanced Optical Materials</i> , 2019, 7, 1901160.	3.6	45
105	Reversible Photoresponsive Chiral Liquid Crystals Containing a Cholesteryl Moiety and Azobenzene Linker. <i>Chemistry of Materials</i> , 2005, 17, 6018-6021.	3.2	44
106	Stimuli-Driven Insulator-Conductor Transition in a Flexible Polymer Composite Enabled by Biphasic Liquid Metal. <i>Advanced Materials</i> , 2021, 33, e2104634.	11.1	43
107	Light-activated photodeformable supramolecular dissipative self-assemblies. <i>Nature Communications</i> , 2022, 13, .	5.8	43
108	Hybrid rod-like and bent-core liquid crystal dimers exhibiting biaxial smectic A and nematic phases. <i>Journal of Materials Chemistry</i> , 2012, 22, 20363.	6.7	42

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109	3D Chiral Photonic Nanostructures Based on Blue-Phase Liquid Crystals. <i>Small Science</i> , 2021, 1, 2100007.	5.8	42
110	Microfocus X-ray Diffraction Study of the Columnar Phase of Porphyrin-Based Mesogens. <i>Chemistry of Materials</i> , 2007, 19, 5657-5663.	3.2	41
111	Bistable salt doped cholesteric liquid crystals light shutter. <i>Optical Materials</i> , 2016, 52, 219-223.	1.7	38
112	Designing bent-core nematogens towards biaxial nematic liquid crystals. <i>Liquid Crystals</i> , 2011, 38, 31-40.	0.9	37
113	Assessment of Non-Adiabatic Behaviour in Thermoelastic Stress Analysis of Small Scale Components. <i>Experimental Mechanics</i> , 2010, 50, 449-461.	1.1	36
114	Dynamically actuated soft heliconical architecture via frequency of electric fields. <i>Nature Communications</i> , 2022, 13, 2712.	5.8	35
115	1,2-Dithienyldicyanoethene-Based, Visible-Light-Driven, Chiral Fluorescent Molecular Switch: Rewritable Multimodal Photonic Devices. <i>Angewandte Chemie</i> , 2019, 131, 16198-16202.	1.6	34
116	Rationally Designed Axially Chiral Diarylethene Switches with High Helical Twisting Power. <i>Chemistry - A European Journal</i> , 2014, 20, 16286-16292.	1.7	32
117	Fast switchable optical vortex generator based on blue phase liquid crystal fork grating. <i>Optical Materials Express</i> , 2014, 4, 2535.	1.6	31
118	Electroacupuncture at ST_{37} and ST_{25} induce different effects on colonic motility via the enteric nervous system by affecting excitatory and inhibitory neurons. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13318.	1.6	30
119	Visible-Light-Induced Self-Organized Helical Superstructure in Orientationally Ordered Fluids. <i>Advanced Materials</i> , 2019, 31, e1902958.	11.1	30
120	Electromechanical and light tunable cholesteric liquid crystals. <i>Optics Communications</i> , 2010, 283, 3434-3436.	1.0	29
121	Building 3D Layer-by-Layer Graphene-Gold Nanoparticle Hybrid Architecture with Tunable Interlayer Distance. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15332-15338.	1.5	29
122	Unusual diffusing regimes caused by different adsorbing surfaces. <i>Soft Matter</i> , 2015, 11, 1658-1666.	1.2	29
123	Rapid reversible phototuning of lasing frequency in dye-doped cholesteric liquid crystal. <i>Optics Letters</i> , 2014, 39, 6490.	1.7	28
124	Photochemically and Thermally Driven Full-Color Reflection in a Self-Organized Helical Superstructure Enabled by a Halogen-Bonded Chiral Molecular Switch. <i>Angewandte Chemie</i> , 2018, 130, 1643-1647.	1.6	28
125	Bioinspired Synergistic Photochromic Luminescence and Programmable Liquid Crystal Actuators. <i>Angewandte Chemie</i> , 2021, 133, 11347-11351.	1.6	28
126	Pancharatnam-Berry phase reversal via opposite-chirality-coexisted superstructures. <i>Light: Science and Applications</i> , 2022, 11, 135.	7.7	28

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127	Thin flexible photosensitive cholesteric displays. <i>Journal of the Society for Information Display</i> , 2009, 17, 869.	0.8	27
128	A Liquid Crystal Elastomerâ€Based Unprecedented Twoâ€Way Shapeâ€Memory Aerogel. <i>Advanced Science</i> , 2021, 8, e2102674.	5.6	27
129	An Artificial Lightâ€Harvesting System with Controllable Efficiency Enabled by an Annuleneâ€Based Anisotropic Fluid. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	27
130	Annular Structural Colors from Bowlâ€Like Shriveled Photonic Microshells of Cholesteric Liquid Crystals. <i>Advanced Optical Materials</i> , 2020, 8, 2000692.	3.6	26
131	Tunable band-pass optical vortex processor enabled by wash-out-refill chiral superstructures. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	26
132	Visibleâ€Lightâ€Driven Halogen Bond Donor Based Molecular Switches: From Reversible Unwinding to Handedness Inversion in Selfâ€Organized Soft Helical Superstructures. <i>Angewandte Chemie</i> , 2020, 132, 2706-2709.	1.6	25
133	Frequencyâ€Driven Selfâ€Organized Helical Superstructures Loaded with Mesogenâ€Grafted Silica Nanoparticles. <i>Angewandte Chemie</i> , 2016, 128, 13284-13288.	1.6	24
134	Controllable Self-Assembling of Gold Nanorods via On and Off Supramolecular Noncovalent Interactions. <i>Langmuir</i> , 2012, 28, 16263-16267.	1.6	23
135	Salen Type Sandwich Triple-Decker Tri- and Di-nuclear Lanthanide Complexes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012, 22, 1174-1181.	1.9	23
136	60.2: Novel Optically Addressable Photochiral Displays Erica Montbach. <i>Digest of Technical Papers SID International Symposium</i> , 2008, 39, 919.	0.1	22
137	Light-Driven Rotation and Pitch Tuning of Self-Organized Cholesteric Gratings Formed in a Semi-Free Film. <i>Polymers</i> , 2017, 9, 295.	2.0	22
138	Simultaneous Realization of Dynamic and Hybrid Multiplexed Holography via Lightâ€Activated Chiral Superstructures. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	22
139	Simultaneous Detection, Genotyping, and Quantification of Human Papillomaviruses by Multicolor Real-Time PCR and Melting Curve Analysis. <i>Journal of Clinical Microbiology</i> , 2013, 51, 429-435.	1.8	21
140	Programmable self-propelling actuators enabled by a dynamic helical medium. <i>Science Advances</i> , 2021, 7, .	4.7	21
141	Nearâ€Infrared Lightâ€Driven Shapeâ€Morphing of Programmable Anisotropic Hydrogels Enabled by MXene Nanosheets. <i>Angewandte Chemie</i> , 2021, 133, 3432-3438.	1.6	20
142	Tunable Circularly Polarized Luminescent Supramolecular Systems: Approaches and Applications. <i>ChemPhotoChem</i> , 2022, 6, .	1.5	20
143	Synchronous Imaging in Golgi Apparatus and Lysosome Enabled by Amphiphilic Calixarene-Based Artificial Light-Harvesting Systems. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 22443-22453.	4.0	20
144	Dicyanodistyrylthiopheneâ€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.	1.5	18

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145	An Efficient Near-Infrared Emissive Artificial Supramolecular Light-Harvesting System for Imaging in the Golgi Apparatus. <i>Angewandte Chemie</i> , 2020, 132, 10579-10583.	1.6	18
146	Tunable Circularly Polarized Luminescent Supramolecular Systems: Approaches and Applications. <i>ChemPhotoChem</i> , 2022, 6, .	1.5	18
147	Spin-Decoupled Transflective Spatial Light Modulations Enabled by a Piecewise-Twisted Anisotropic Monolayer. <i>Advanced Science</i> , 2022, 9, .	5.6	17
148	Reversible On-Off of Chirality and Anisotropy in Patterned Coexistence of Achiral-Anisotropic and Chiral-Isotropic Soft Materials. <i>Advanced Optical Materials</i> , 2020, 8, 2000155.	3.6	16
149	Healable and Rearrangeable Networks of Liquid Crystal Elastomers Enabled by Diselenide Bonds. <i>Angewandte Chemie</i> , 2021, 133, 16530-16534.	1.6	16
150	Switchable Second-Harmonic Generation of Airy Beam and Airy Vortex Beam. <i>Advanced Optical Materials</i> , 2021, 9, 2001776.	3.6	15
151	Unexpected organic hydrate luminogens in the solid state. <i>Nature Communications</i> , 2021, 12, 2339.	5.8	15
152	Prognostic Value of Inflammation-Based Markers in Advanced or Metastatic Neuroendocrine Tumours. <i>Current Oncology</i> , 2019, 26, 4135.	0.9	14
153	Electro- and Photo-Driven Orthogonal Switching of a Helical Superstructure Enabled by an Axially Chiral Molecular Switch. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55215-55222.	4.0	14
154	Smectic Defect Engineering Enabled by Programmable Photoalignment. <i>Advanced Optical Materials</i> , 2020, 8, 2000593.	3.6	14
155	Whole-genome resequencing of Dulong Chicken reveal signatures of selection. <i>British Poultry Science</i> , 2020, 61, 624-631.	0.8	13
156	Combined electric and photocontrol of selective light reflection at an oblique helicoidal cholesteric liquid crystal doped with azoxybenzene derivative. <i>Physical Review E</i> , 2021, 104, 044702.	0.8	13
157	Liquid-Crystal-Mediated Active Waveguides toward Programmable Integrated Optics. <i>Advanced Optical Materials</i> , 2020, 8, 1902033.	3.6	12
158	Dynamically Selective and Simultaneous Detection of Spin and Orbital Angular Momenta of Light with Thermoresponsive Self-Assembled Chiral Superstructures. <i>ACS Photonics</i> , 2022, 9, 1050-1057.	3.2	12
159	Spin-controlled massive channels of hybrid-order Poincaré sphere beams. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	11
160	New mesogen with thermotropic cubic phase: 3,4,5-tris-(11,11,12,12,13,13,14,14,15,15,16,16,16-tridecafluorohexadecyloxy)benzoic acid. <i>Liquid Crystals</i> , 2007, 34, 1243-1248.		10
161	Effect of biaxiality on chirality in chiral nematic liquid crystals. <i>Soft Matter</i> , 2018, 14, 6530-6536.	1.2	10
162	Chiral and orientationally ordered fluid mesophases formed by oxadiazole bisaniline based achiral bent mesogens. <i>Liquid Crystals</i> , 2019, 46, 1373-1382.	0.9	10

#	ARTICLE	IF	CITATIONS
163	Ferroelectric liquid crystal mediated fast switchable orbital angular momentum of light. Optics Express, 2019, 27, 36903.	1.7	10
164	Liquid crystal phases with unusual structures and physical properties formed by acute-angle bent core molecules. Physical Review Research, 2020, 2, .	1.3	10
165	PREPARATION AND CHARACTERIZATIONS OF PTFE GRADIENT NANOSTRUCTURE ON SILK FABRIC. Surface Review and Letters, 2007, 14, 547-551.	0.5	9
166	An Artificial Light Harvesting System with Controllable Efficiency Enabled by an Annulene-Based Anisotropic Fluid. Angewandte Chemie, 2022, 134, .	1.6	9
167	Thickness dependence of the molecular magnetic moment of single crystal Fe ₃ O ₄ films on GaAs (100). Journal of Applied Physics, 2010, 107, 09B110.	1.1	8
168	Discotic Liquid Crystals for Self-organizing Photovoltaics. Nanoscience and Technology, 2016, , 215-252.	1.5	8
169	Surface induced twist in nematic and chiral nematic liquid crystals: stick-slip-like and constrained motion. Soft Matter, 2018, 14, 2084-2093.	1.2	8
170	Organic-inorganic hybrid liquid crystals of azopyridine-enabled halogen-bonding towards sensing in aquatic environment. RSC Advances, 2020, 10, 35873-35877.	1.7	8
171	Extended adsorbing surface reach and memory effects on the diffusive behavior of particles in confined systems. International Journal of Heat and Mass Transfer, 2020, 151, 119433.	2.5	8
172	A dual-template defective 3DOMM-TiO ₂ -x for enhanced non-enzymatic electrochemical glucose determination. Journal of Materials Science, 2021, 56, 3414-3429.	1.7	8
173	Photocatalytic activities of SnS-reduced graphene oxide by the photodegradation of malachite green in water. Materials Research Innovations, 2016, 20, 458-464.	1.0	7
174	Photodeformable Liquid Crystalline Polymers Containing Functional Additives: Toward Photomanipulatable Intelligent Soft Systems. Small Structures, 2021, 2, 2170024.	6.9	7
175	Irradiation Wavelength Directing Circularly Polarized Luminescence in Self-Organized Helical Superstructures Enabled by Hydrogen Bonded Chiral Fluorescent Molecular Switches. Angewandte Chemie, 0, , .	1.6	6
176	Frontispiece: An Artificial Light Harvesting System with Controllable Efficiency Enabled by an Annulene-Based Anisotropic Fluid. Angewandte Chemie - International Edition, 2022, 61, .	7.2	5
177	Thermo- and Mechanochromic Camouflage and Self-Healing in Biomimetic Soft Actuators Based on Liquid Crystal Elastomers. Angewandte Chemie, 2022, 134, .	1.6	5
178	Three-Dimensional Microfluidic Chip for Efficient Capture of Secretory Autophagosomes and Sensitive Detection of Their Surface Proteins. Analytical Chemistry, 2022, 94, 8489-8496.	3.2	5
179	Liquid Crystal Nanostructures: Stimuli Directing Self-Organized 3D Liquid Crystalline Nanostructures: From Materials Design to Photonic Applications (Adv. Funct. Mater. 1/2016). Advanced Functional Materials, 2016, 26, 2-2.	7.8	4
180	Diffusion and adsorption-desorption phenomena in confined systems with periodically varying medium. Chemical Engineering Science, 2021, 233, 116386.	1.9	4

#	ARTICLE	IF	CITATIONS
181	Elastic and electro-optical properties of flexible fluorinated dimers with negative dielectric anisotropy. <i>Liquid Crystals</i> , 0, , 1-13.	0.9	4
182	Auger parameters of ternary Pdâ€“Niâ€“P amorphous alloys. <i>Philosophical Magazine</i> , 2005, 85, 885-893.	0.7	3
183	Self-organized Chiral Liquid Crystalline Nanostructures for Energy-Saving Devices. <i>Nanoscience and Technology</i> , 2016, , 513-558.	1.5	3
184	Photoâ€“Actuated Chiral Smectic Superstructures. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	3
185	Influence of coexisting contaminants on the sorption of 17Î²-estradiol by marine sediments. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 1815-1822.	0.9	2
186	Microshells: Photoresponsive Monodisperse Cholesteric Liquid Crystalline Microshells for Tunable Omnidirectional Lasing Enabled by a Visible Light-Driven Chiral Molecular Switch (Advanced Optical) Tj ETQq0 0 0 rgt /Overlock 10 Tf 5	0.9	2
187	Liquid Crystalline 1D and 2D Carbon Materials. <i>Nanoscience and Technology</i> , 2014, , 69-99.	1.5	2
188	Improvement in optical and electrical properties of ZnO films by neodymium and aluminum co-doping. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 2992-2997.	1.1	2
189	Liquid Crystals: Electrically Tunable Selective Reflection of Light from Ultraviolet to Visible and Infrared by Heliconical Cholesterics (Adv. Mater. 19/2015). <i>Advanced Materials</i> , 2015, 27, 3013-3013.	11.1	2
190	Temperature Dependence of Extended X-ray Absorption Fine Structure of Multiferroic CaMn7O12. <i>Ferroelectrics</i> , 2015, 488, 162-169.	0.3	2
191	Photochromic Bulk Materials. , 0, , 281-360.		2
192	Enhanced nanosecond electro-optic effect in isotropic and nematic phases of dielectrically negative nematics doped by strongly polar additive. <i>Journal of Molecular Liquids</i> , 2018, 267, 450-455.	2.3	2
193	Quality assessment of guidelines for the management of Mycobacterium tuberculosis infection in children. <i>International Journal of Tuberculosis and Lung Disease</i> , 2020, 24, 287-294.	0.6	2
194	Cholesteric Soft Matter Molded Helical Photonic Architecture toward Volatility Monitoring of Organic Solvent. <i>Advanced Photonics Research</i> , 2021, 2, 2100018.	1.7	2
195	Nanotechnology and Nanomaterials in Photodeformable Liquid Crystalline Polymers. <i>Nanoscience and Technology</i> , 2014, , 301-317.	1.5	2
196	Photochromic Chiral Liquid Crystals for Light Sensing. , 2017, , 33-62.		2
197	Patterned optical anisotropic film for generation of non-diffracting vortex beams. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	2
198	Helical Superstructures: Nearâ€“Infrared Lightâ€“Directed Handedness Inversion in Plasmonic Nanorodâ€“Embedded Helical Superstructure (Advanced Optical Materials 2/2016). <i>Advanced Optical Materials</i> , 2016, 4, 246-246.	3.6	1

#	ARTICLE	IF	CITATIONS
199	Infrared Adaptive Materials: Beyond the Visible: Bioinspired Infrared Adaptive Materials (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 457	11.1	1
200	Frontispiece: Thermo- and Mechanochromic Camouflage and Self-Healing in Biomimetic Soft Actuators Based on Liquid Crystal Elastomers. Angewandte Chemie - International Edition, 2022, 61, .	7.2	1
201	Frontispiece: Visible Light-Driven Molecular Switches and Motors: Recent Developments and Applications. Chemistry - A European Journal, 2022, 28, .	1.7	1
202	Frontispiz: An Artificial Light-Harvesting System with Controllable Efficiency Enabled by an Annulene-Based Anisotropic Fluid. Angewandte Chemie, 2022, 134, .	1.6	1
203	Electrical modification of order parameters and director fluctuations in a dielectrically negative nematic doped with a positive additive. Journal of Molecular Liquids, 2022, 363, 119843.	2.3	1
204	Fluorescence Quenching: Size- and Shape-Dependent Fluorescence Quenching of Gold Nanoparticles on Perylene Dye (Advanced Optical Materials 8/2013). Advanced Optical Materials, 2013, 1, 602-602.	3.6	0
205	Influence of the ball-milling process of reaction product on synthesising hydroxyapatite with precipitation method. Materials Research Innovations, 2015, 19, S8-646-S8-649.	1.0	0
206	Gratings: Light-Driven Wide-Range Nonmechanical Beam Steering and Spectrum Scanning Based on a Self-Organized Liquid Crystal Grating Enabled by a Chiral Molecular Switch (Advanced Optical) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457	0.7	0
207	Effect of dynamically changing the substrate's easy axis on the response time of nematic samples. Journal of Physics Condensed Matter, 2018, 30, 505401.	0.7	0
208	Frontispiece: Near-Infrared Light-Driven Shape-Morphing of Programmable Anisotropic Hydrogels Enabled by MXene Nanosheets. Angewandte Chemie - International Edition, 2021, 60, .	7.2	0
209	Frontispiz: Near-Infrared Light-Driven Shape-Morphing of Programmable Anisotropic Hydrogels Enabled by MXene Nanosheets. Angewandte Chemie, 2021, 133, .	1.6	0
210	Innenr¼cktitelbild: Irradiation-Wavelength Directing Circularly Polarized Luminescence in Self-Organized Helical Superstructures Enabled by Hydrogen-Bonded Chiral Fluorescent Molecular Switches (Angew. Chem. 52/2021). Angewandte Chemie, 2021, 133, 27539-27539.	1.6	0
211	Frontispiz: Thermo- and Mechanochromic Camouflage and Self-Healing in Biomimetic Soft Actuators Based on Liquid Crystal Elastomers. Angewandte Chemie, 2022, 134, .	1.6	0