

Wei Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7782080/publications.pdf>

Version: 2024-02-01

186
papers

5,666
citations

71102

41
h-index

106344

65
g-index

192
all docs

192
docs citations

192
times ranked

3813
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid crystal programmable metasurface for terahertz beam steering. Applied Physics Letters, 2020, 116, .	3.3	169
2	Going beyond the limit of an LCD's color gamut. Light: Science and Applications, 2017, 6, e17043-e17043.	16.6	157
3	Some Improved Razumikhin Stability Criteria for Impulsive Stochastic Delay Differential Systems. IEEE Transactions on Automatic Control, 2019, 64, 5207-5213.	5.7	153
4	Broadband tunable liquid crystal terahertz waveplates driven with porous graphene electrodes. Light: Science and Applications, 2015, 4, e253-e253.	16.6	148
5	Generating Switchable and Reconfigurable Optical Vortices via Photopatterning of Liquid Crystals. Advanced Materials, 2014, 26, 1590-1595.	21.0	143
6	Arbitrary photo-patterning in liquid crystal alignments using DMD based lithography system. Optics Express, 2012, 20, 16684.	3.4	135
7	Digitalizing Self-Assembled Chiral Superstructures for Optical Vortex Processing. Advanced Materials, 2018, 30, 1705865.	21.0	131
8	Liquid-Crystal-Mediated Geometric Phase: From Transmissive to Broadband Reflective Planar Optics. Advanced Materials, 2020, 32, e1903665.	21.0	124
9	Light-Patterned Crystallographic Direction of a Self-Organized 3D Soft Photonic Crystal. Advanced Materials, 2017, 29, 1703165.	21.0	120
10	Arbitrary and reconfigurable optical vortex generation: a high-efficiency technique using director-varying liquid crystal fork gratings. Photonics Research, 2015, 3, 133.	7.0	106
11	Chirality invertible superstructure mediated active planar optics. Nature Communications, 2019, 10, 2518.	12.8	106
12	Large birefringence liquid crystal material in terahertz range. Optical Materials Express, 2012, 2, 1314.	3.0	104
13	Graphene-assisted high-efficiency liquid crystal tunable terahertz metamaterial absorber. Optics Express, 2017, 25, 23873.	3.4	103
14	Generation of arbitrary vector beams with liquid crystal polarization converters and vector-photoaligned q-plates. Applied Physics Letters, 2015, 107, .	3.3	100
15	Broadband achromatic metalens in terahertz regime. Science Bulletin, 2019, 64, 1525-1531.	9.0	98
16	Digitalized Geometric Phases for Parallel Optical Spin and Orbital Angular Momentum Encoding. ACS Photonics, 2017, 4, 1333-1338.	6.6	93
17	Meta-q-plate for complex beam shaping. Scientific Reports, 2016, 6, 25528.	3.3	86
18	Fast switchable grating based on orthogonal photo alignments of ferroelectric liquid crystals. Applied Physics Letters, 2012, 101, .	3.3	85

#	ARTICLE	IF	CITATIONS
19	Label-free measurements on cell apoptosis using a terahertz metamaterial-based biosensor. Applied Physics Letters, 2016, 108, .	3.3	85
20	Self-polarizing terahertz liquid crystal phase shifter. AIP Advances, 2011, 1, .	1.3	81
21	Liquid crystal gratings based on alternate TN and PA photoalignment. Optics Express, 2012, 20, 5384.	3.4	79
22	Terahertz vortex beam generator based on a photopatterned large birefringence liquid crystal. Optics Express, 2017, 25, 12349.	3.4	79
23	Highly effective and reproducible surface-enhanced Raman scattering substrates based on Ag pyramidal arrays. Nano Research, 2013, 6, 159-166.	10.4	75
24	Polarization independent liquid crystal gratings based on orthogonal photoalignments. Applied Physics Letters, 2012, 100, 111116.	3.3	68
25	Liquid crystal integrated metalens with tunable chromatic aberration. Advanced Photonics, 2020, 2, 1.	11.8	68
26	Tunable reflective liquid crystal terahertz waveplates. Optical Materials Express, 2017, 7, 2023.	3.0	62
27	Broadband Reflection in Polymer-stabilized Cholesteric Liquid Crystals via Thiol-acrylate Chemistry. Angewandte Chemie - International Edition, 2019, 58, 6698-6702.	13.8	62
28	Rationally Designed Dynamic Superstructures Enabled by Photoaligning Cholesteric Liquid Crystals. Advanced Optical Materials, 2015, 3, 1691-1696.	7.3	58
29	Polarization-controllable Airy beams generated via a photoaligned director-variant liquid crystal mask. Scientific Reports, 2015, 5, 17484.	3.3	55
30	Generation of Equal-Energy Orbital Angular Momentum Beams via Photopatterned Liquid Crystals. Physical Review Applied, 2016, 5, .	3.8	55
31	Liquid-crystal-integrated metadvice: towards active multifunctional terahertz wave manipulations. Optics Letters, 2018, 43, 4695.	3.3	54
32	Dual-color terahertz spatial light modulator for single-pixel imaging. Light: Science and Applications, 2022, 11, .	16.6	53
33	Tunable Fano resonance in hybrid graphene-metal gratings. Applied Physics Letters, 2014, 104, .	3.3	49
34	Room-Temperature Imprinting Poly(acrylic acid)/Poly(allylamine hydrochloride) Multilayer Films by Using Polymer Molds. Langmuir, 2007, 23, 3254-3259.	3.5	47
35	Fast response dual-frequency liquid crystal switch with photo-patterned alignments. Optics Letters, 2012, 37, 3627.	3.3	47
36	Vortex Airy beams directly generated via liquid crystal q-Airy-plates. Applied Physics Letters, 2018, 112, .	3.3	47

#	ARTICLE	IF	CITATIONS
37	Magnetically and electrically polarization-tunable THz emitter with integrated ferromagnetic heterostructure and large-birefringence liquid crystal. <i>Applied Physics Express</i> , 2018, 11, 092101.	2.4	47
38	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.	2.1	45
39	Liquid crystal enabled dynamic cloaking of terahertz Fano resonators. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	45
40	Wide tunable lasing in photoresponsive chiral liquid crystal emulsion. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2462-2470.	5.5	44
41	Vortex-controlled morphology conversion of microstructures on silicon induced by femtosecond vector vortex beams. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	44
42	Moment exponential stability of stochastic nonlinear delay systems with impulse effects at random times. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 3809-3820.	3.7	43
43	Beam shaping via photopatterned liquid crystals. <i>Liquid Crystals</i> , 2016, 43, 2051-2061.	2.2	42
44	Smectic Layer Origami via Preprogrammed Photoalignment. <i>Advanced Materials</i> , 2017, 29, 1606671.	21.0	42
45	Liquid crystal tunable terahertz lens with spin-selected focusing property. <i>Optics Express</i> , 2019, 27, 8800.	3.4	42
46	Bifocal Optical-Vortex Lens with Sorting of the Generated Nonseparable Spin-Orbital Angular-Momentum States. <i>Physical Review Applied</i> , 2017, 7, .	3.8	41
47	Self-Assembled Asymmetric Microlenses for Four-Dimensional Visual Imaging. <i>ACS Nano</i> , 2019, 13, 13709-13715.	14.6	39
48	Fast-response and high-efficiency optical switch based on dual-frequency liquid crystal polarization grating. <i>Optical Materials Express</i> , 2016, 6, 597.	3.0	38
49	Ultrastable liquid crystalline blue phase from molecular synergistic self-assembly. <i>Nature Communications</i> , 2021, 12, 1440.	12.8	38
50	Coupled orbital angular momentum conversions in a quasi-periodically poled LiTaO ₃ crystal. <i>Optics Letters</i> , 2016, 41, 1169.	3.3	35
51	Switchable Fresnel lens based on hybrid photo-aligned dual frequency nematic liquid crystal. <i>Optical Materials Express</i> , 2017, 7, 8.	3.0	35
52	A novel light diffuser based on the combined morphology of polymer networks and polymer balls in a polymer dispersed liquid crystals film. <i>RSC Advances</i> , 2018, 8, 21690-21698.	3.6	35
53	Multicolor Emission on Prepatterned Substrates Using a Single Dye Species. <i>Advanced Materials</i> , 2007, 19, 2119-2123.	21.0	34
54	Bias-Polarity Dependent Bidirectional Modulation of Photonic Bandgap in a Nanoengineered 3D Blue Phase Polymer Scaffold for Tunable Laser Application. <i>Advanced Optical Materials</i> , 2018, 6, 1800409.	7.3	34

#	ARTICLE	IF	CITATIONS
55	Freestanding Helical Nanostructured Chiro-Photonic Crystal Film and Anticounterfeiting Label Enabled by a Cholesterol-Grafted Light-Driven Molecular Motor. <i>Small Methods</i> , 2022, 6, e2200269.	8.6	32
56	Nonlinear plasmonic frequency conversion through quasiphase matching. <i>Physical Review B</i> , 2010, 82, .	3.2	31
57	Fast switchable optical vortex generator based on blue phase liquid crystal fork grating. <i>Optical Materials Express</i> , 2014, 4, 2535.	3.0	31
58	Light-reconfigured waveband-selective diffraction device enabled by micro-patterning of a photoresponsive self-organized helical superstructure. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9325-9330.	5.5	31
59	Perfect Higher-Order Poincaré Sphere Beams from Digitalized Geometric Phases. <i>Physical Review Applied</i> , 2018, 10, .	3.8	31
60	Planar Terahertz Photonics Mediated by Liquid Crystal Polymers. <i>Advanced Optical Materials</i> , 2020, 8, 1902124.	7.3	31
61	Modulation of Chirality and Intensity of Circularly Polarized Luminescence Emitting from Cholesteric Liquid Crystals Triggered by Photoresponsive Molecular Motor. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	31
62	Optical array generator based on blue phase liquid crystal Dammann grating. <i>Optical Materials Express</i> , 2016, 6, 1087.	3.0	30
63	Liquid crystal integrated metalens with dynamic focusing property. <i>Optics Letters</i> , 2020, 45, 4324.	3.3	30
64	Light-Activated Liquid Crystalline Hierarchical Architecture Toward Photonics. <i>Advanced Optical Materials</i> , 2019, 7, 1900393.	7.3	29
65	Multifunctional Liquid Crystal Device for Grayscale Pattern Display and Holography with Tunable Spectral Response. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	29
66	Pancharatnam Berry phase reversal via opposite-chirality-coexisted superstructures. <i>Light: Science and Applications</i> , 2022, 11, 135.	16.6	28
67	Achromatic terahertz Airy beam generation with dielectric metasurfaces. <i>Nanophotonics</i> , 2021, 10, 1123-1131.	6.0	27
68	Tunable Circularly Polarized Luminescence with a High Dissymmetry Factor Emitted from Luminogen-Bonded and Electrically Controlled Polymer-Stabilized Cholesteric Liquid Crystals. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8490-8498.	8.0	27
69	Liquid crystal depolarizer based on photoalignment technology. <i>Photonics Research</i> , 2016, 4, 70.	7.0	26
70	Tunable band-pass optical vortex processor enabled by wash-out-refill chiral superstructures. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	26
71	A fast response variable optical attenuator based on blue phase liquid crystal. <i>Optics Express</i> , 2013, 21, 5332.	3.4	24
72	Programmable Chromism and Photoluminescence of Spiropyran-Based Liquid Crystalline Polymer with Tunable Glass Transition Temperature. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19406-19412.	13.8	24

#	ARTICLE	IF	CITATIONS
73	Liquid crystal devices for vector vortex beams manipulation and quantum information applications [Invited]. Chinese Optics Letters, 2021, 19, 112601.	2.9	24
74	Generation of self-healing and transverse accelerating optical vortices. Applied Physics Letters, 2016, 109, .	3.3	23
75	Liquid Crystal Tunable Dielectric Metamaterial Absorber in the Terahertz Range. Applied Sciences (Switzerland), 2018, 8, 2211.	2.5	23
76	Light-Driven Rotation and Pitch Tuning of Self-Organized Cholesteric Gratings Formed in a Semi-Free Film. Polymers, 2017, 9, 295.	4.5	22
77	Examining second-harmonic generation of high-order Laguerreâ€“Gaussian modes through a single cylindrical lens. Optics Letters, 2017, 42, 4387.	3.3	22
78	Tunable terahertz absorber based on transparent and flexible metamaterial. Chinese Optics Letters, 2020, 18, 092403.	2.9	22
79	3D porous graphene-assisted capsulized cholesteric liquid crystals for terahertz power visualization. Optics Letters, 2020, 45, 5892.	3.3	22
80	Simultaneous Realization of Dynamic and Hybrid Multiplexed Holography via Lightâ€“Activated Chiral Superstructures. Laser and Photonics Reviews, 2022, 16, .	8.7	22
81	Polarization-dispersive imaging spectrometer for scattering circular dichroism spectroscopy of single chiral nanostructures. Light: Science and Applications, 2022, 11, 64.	16.6	22
82	Liquid crystal blue phase induced by bent-shaped molecules with allylic end groups. Optical Materials Express, 2011, 1, 1478.	3.0	21
83	Fork gratings based on ferroelectric liquid crystals. Optics Express, 2016, 24, 5822.	3.4	21
84	Programmable self-propelling actuators enabled by a dynamic helical medium. Science Advances, 2021, 7, .	10.3	21
85	Patterning Layered Polymeric Multilayer Films by Room-Temperature Nanoimprint Lithography. Macromolecular Rapid Communications, 2006, 27, 505-510.	3.9	20
86	A Transflective Nano-Wire Grid Polarizer Based Fiber-Optic Sensor. Sensors, 2011, 11, 2488-2495.	3.8	20
87	Helicity-dependent forked vortex lens based on photo-patterned liquid crystals. Optics Express, 2017, 25, 14059.	3.4	20
88	A three-beam path photonic crystal fiber modal interferometer and its sensing applications. Journal of Applied Physics, 2010, 108, 023107.	2.5	19
89	Reversible light-directed self-organized 3D liquid crystalline photonic nanostructures doped with azobenzene-functionalized bent-shaped molecules. Journal of Materials Chemistry C, 2018, 6, 7740-7744.	5.5	19
90	Synthesis and characterization of trifluoromethylated poly(aryl ether ketone)s. Polymers for Advanced Technologies, 2003, 14, 221-225.	3.2	18

#	ARTICLE	IF	CITATIONS
91	Site-Selective Patterning of Organic Luminescent Molecules via Gas Phase Deposition. <i>Langmuir</i> , 2008, 24, 5315-5318.	3.5	18
92	Dispersion Study of Optical Nanowire Microcoil Resonators. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2011, 17, 1102-1106.	2.9	18
93	Fragmentation of twisted light in photon-phonon nonlinear propagation. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	18
94	Ultrafast switching of optical singularity eigenstates with compact integrable liquid crystal structures. <i>Optics Express</i> , 2018, 26, 28818.	3.4	17
95	Spin-Decoupled Transflective Spatial Light Modulations Enabled by a Piecewise-Twisted Anisotropic Monolayer. <i>Advanced Science</i> , 2022, 9, .	11.2	17
96	Interlaced cholesteric liquid crystal fingerprint textures via sequential UV-induced polymer-stabilization. <i>Optical Materials Express</i> , 2016, 6, 19.	3.0	16
97	Entanglement of photons with complex spatial structure in Hermite-Laguerre-Gaussian modes. <i>Physical Review A</i> , 2016, 94, .	2.5	16
98	Generation of strong cylindrical vector pulses via stimulated Brillouin amplification. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	16
99	Generating, Separating and Polarizing Terahertz Vortex Beams via Liquid Crystals with Gradient-Rotation Directors. <i>Crystals</i> , 2017, 7, 314.	2.2	16
100	Integrated and reconfigurable optical paths based on stacking optical functional films. <i>Optics Express</i> , 2016, 24, 25510.	3.4	15
101	Control the orbital angular momentum in third-harmonic generation using quasi-phase-matching. <i>Optics Express</i> , 2018, 26, 17563.	3.4	15
102	Nonelectric Sustaining Bistable Polymer Framework Liquid Crystal Films with a Novel Semirigid Polymer Matrix. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22757-22766.	8.0	15
103	A Fast-Response and Helicity-Dependent Lens Enabled by Micro-Patterned Dual-Frequency Liquid Crystals. <i>Crystals</i> , 2019, 9, 111.	2.2	15
104	Switchable Second-Harmonic Generation of Airy Beam and Airy Vortex Beam. <i>Advanced Optical Materials</i> , 2021, 9, 2001776.	7.3	15
105	Auto-transition of vortex- to vector-Airy beams via liquid crystal q-Airy-plates. <i>Optics Express</i> , 2019, 27, 18848.	3.4	15
106	Analogous Optical Activity in Free Space Using a Single Pancharatnam-Berry Phase Element. <i>Laser and Photonics Reviews</i> , 2022, 16, 2100291.	8.7	15
107	Dual-responsive deformation of a crosslinked liquid crystal polymer film with complex molecular alignment. <i>Soft Matter</i> , 2017, 13, 6145-6151.	2.7	14
108	Smectic Defect Engineering Enabled by Programmable Photoalignment. <i>Advanced Optical Materials</i> , 2020, 8, 2000593.	7.3	14

#	ARTICLE	IF	CITATIONS
109	Low-temperature-applicable polymer-stabilized blue-phase liquid crystal and its Kerr effect. <i>Journal of the Society for Information Display</i> , 2012, 20, 326-332.	2.1	13
110	Electrically tunable holographic polymer templated blue phase liquid crystal grating. <i>Chinese Physics B</i> , 2015, 24, 064203.	1.4	13
111	Multiple generations of high-order orbital angular momentum modes through cascaded third-harmonic generation in a 2D nonlinear photonic crystal. <i>Optics Express</i> , 2017, 25, 11556.	3.4	13
112	Remotely Controlling Drug Release by Light-Responsive Cholesteric Liquid Crystal Microcapsules Triggered by Molecular Motors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59221-59230.	8.0	13
113	Simulation and optimization of liquid crystal gratings with alternate twisted nematic and planar aligned regions. <i>Applied Optics</i> , 2014, 53, E14.	1.8	12
114	Photo-induced storage and mask-free arbitrary micro-patterning in solution-processable and simple-structured photochromic organic light-emitting diodes. <i>Organic Electronics</i> , 2015, 26, 476-480.	2.6	12
115	Moment exponential stability of stochastic delay systems with delayed impulse effects at random times and applications in the stabilisation of stochastic neural networks. <i>International Journal of Control</i> , 2020, 93, 2505-2515.	1.9	12
116	Liquid-Crystal-Mediated Active Waveguides toward Programmable Integrated Optics. <i>Advanced Optical Materials</i> , 2020, 8, 1902033.	7.3	12
117	Brief review of recent research on blue phase liquid crystal materials and devices. <i>Chinese Optics Letters</i> , 2013, 11, 011601-11605.	2.9	12
118	Tunable terahertz filter based on alternative liquid crystal layers and metallic slats. <i>Chinese Optics Letters</i> , 2015, 13, 120401-120404.	2.9	12
119	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.	6.6	12
120	Creating Bicolor Patterns via Selective Photobleaching with A Single Dye Species. <i>Langmuir</i> , 2009, 25, 3894-3897.	3.5	11
121	Spin-controlled massive channels of hybrid-order Poincaré sphere beams. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	11
122	Visible and Online Detection of Near-Infrared Optical Vortices via Nonlinear Photonic Crystals. <i>Advanced Optical Materials</i> , 2022, 10, 2101098.	7.3	11
123	Combined effect of hydroxylated and fluorinated acrylate monomers on improving the electro-optical and mechanical performances of PDLC-films. <i>Liquid Crystals</i> , 2022, 49, 769-779.	2.2	11
124	Electrically Tunable Microlens Array Enabled by Polymer-Stabilized Smectic Hierarchical Architectures. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	11
125	Single cell gap polymer-stabilized blue-phase transfective LCDs using internal nanowire grid polarizer. <i>Journal of Information Display</i> , 2011, 12, 115-119.	4.0	10
126	Lasing of self-organized helical cholesteric liquid crystal micro-droplets based on emulsification. <i>Optical Materials Express</i> , 2016, 6, 1256.	3.0	10

#	ARTICLE	IF	CITATIONS
127	Bridging the terahertz near-field and far-field observations of liquid crystal based metamaterial absorbers. Chinese Physics B, 2016, 25, 094222.	1.4	10
128	Complete measurement and multiplexing of orbital angular momentum Bell states. Physical Review A, 2019, 100, .	2.5	10
129	Ferroelectric liquid crystal mediated fast switchable orbital angular momentum of light. Optics Express, 2019, 27, 36903.	3.4	10
130	Liquid-crystal splitter for generating and separating autofocusing and autodefocusing circular Airy beams. Optics Express, 2020, 28, 26151.	3.4	10
131	Research progress of terahertz liquid crystal materials and devices. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 084205.	0.5	10
132	Effects of chemically functionalized TiO_2 nanoparticles on the UV-shielding characteristics of polymer-dispersed liquid crystals. Polymers for Advanced Technologies, 2022, 33, 1561-1568.	3.2	10
133	Flexible Control of Broadband Polarization in a Spintronic Terahertz Emitter Integrated with Liquid Crystal and Metasurface. ACS Applied Materials & Interfaces, 2022, 14, 32646-32656.	8.0	10
134	Broadband Multichannel Optical Vortex Generators via Patterned Double-Layer Reverse-Twist Liquid Crystal Polymer. Crystals, 2020, 10, 882.	2.2	9
135	Azobenzene Sulphonic Dye Photoalignment as a Means to Fabricate Liquid Crystalline Conjugated Polymer Chain-Oriented Optical Structures. Advanced Optical Materials, 2020, 8, 1901958.	7.3	9
136	Large birefringence smectic-A liquid crystals for high contrast bistable displays. Optical Materials Express, 2015, 5, 281.	3.0	8
137	Broadband Reflection in Polymer-Stabilized Cholesteric Liquid Crystals via Thiol-Acrylate Chemistry. Angewandte Chemie, 2019, 131, 6770-6774.	2.0	8
138	Tailoring the photon spin via light-matter interaction in liquid-crystal-based twisting structures. Npj Quantum Materials, 2017, 2, .	5.2	7
139	Electrically Tunable Terahertz Focusing Modulator Enabled by Liquid Crystal Integrated Dielectric Metasurface. Crystals, 2021, 11, 514.	2.2	7
140	Liquid Crystalline Composite Stabilized by Epoxy Polymer with Bosca-Like Morphology for Energy-Efficient Smart Windows with High Stability. Macromolecular Materials and Engineering, 2022, 307, .	3.6	7
141	Transflective spatial terahertz wave modulator. Optics Letters, 2022, 47, 1650.	3.3	7
142	Fabrication of Multicolor Patterns with a Single Dye Species on a Polymer Surface. Langmuir, 2008, 24, 12745-12747.	3.5	6
143	Color Tuning via Adjusting the Dye-Loading Capacity of a Polymer. Langmuir, 2009, 25, 4352-4355.	3.5	6
144	Optical field control via liquid crystal photoalignment. Molecular Crystals and Liquid Crystals, 2017, 644, 3-11.	0.9	6

#	ARTICLE	IF	CITATIONS
145	Spiral holographic imaging through quantum interference. Applied Physics Letters, 2017, 111, .	3.3	6
146	Evolution of orbital angular momentum in a soft quasi-periodic structure with topological defects. Optics Express, 2019, 27, 21667.	3.4	6
147	Broadband decoupled spin and orbital angular momentum detection via programming dual-twist reactive mesogens. Optics Letters, 2021, 46, 5751-5754.	3.3	6
148	TiO ₂ doped polymer dispersed and stabilised liquid crystal smart film with high contrast ratio, low driving voltage and short response time. Liquid Crystals, 2022, 49, 1623-1632.	2.2	6
149	Measurement of Surface Plasmon Polariton Enhanced Goos-Hanchen Shift Based on Grating and Liquid Crystal Technologies. IEEE Photonics Technology Letters, 2011, 23, 1829-1831.	2.5	5
150	Bistable state in polymer stabilized blue phase liquid crystal. Optical Materials Express, 2012, 2, 1353.	3.0	5
151	Liquid crystal beyond displays: feature introduction. Optics Express, 2019, 27, 20785.	3.4	5
152	Photopatterned liquid crystal mediated terahertz Bessel vortex beam generator [Invited]. Chinese Optics Letters, 2020, 18, 080003.	2.9	5
153	THz generation by optical rectification of femtosecond laser pulses in a liquid crystal. Journal of the Optical Society of America B: Optical Physics, 2022, 39, A89.	2.1	5
154	Ultrathin flexible terahertz metamaterial bandstop filter based on laser-induced graphene. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 1229.	2.1	5
155	Nanoimprint lithography and surface modification as prospective technologies for heterogeneous integration. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3571-3575.	0.8	4
156	Improved Results on Delay-Dependent H_∞ Control for Uncertain Systems with Time-Varying Delays. Circuits, Systems, and Signal Processing, 2017, 36, 1836-1859.	2.0	4
157	High Efficient Metadevices for Terahertz Beam Shaping. Frontiers in Physics, 2021, 9, .	2.1	4
158	Optimization of bilayered nano-wire grids as high-efficiency polarizers for power recycling in liquid-crystal displays. Journal of the Society for Information Display, 2011, 19, 441-446.	2.1	3
159	Complex liquid crystal alignments accomplished by Talbot self-imaging. Optics Express, 2013, 21, 7608.	3.4	3
160	Extended Cauchy equations of congruent LiNbO ₃ in the terahertz band and their applications. Optical Materials Express, 2016, 6, 3766.	3.0	3
161	Stability of Impulsive Stochastic Delay Systems with Markovian Switched Delay Effects. Mathematics, 2022, 10, 1110.	2.2	3
162	Photo-Actuated Chiral Smectic Superstructures. Advanced Optical Materials, 2022, 10, .	7.3	3

#	ARTICLE	IF	CITATIONS
163	Stochastic Finite-Time Stability for Stochastic Nonlinear Systems with Stochastic Impulses. <i>Symmetry</i> , 2022, 14, 817.	2.2	3
164	Ultralow-power all-optical switching via a chiral Mach-Zehnder interferometer. <i>Optics Express</i> , 2022, 30, 19199.	3.4	3
165	Synthesis and thermotropic liquid-crystalline behavior of novel main-chain poly(aryl ether ketones). <i>Journal of Applied Polymer Science</i> , 2003, 89, 1347-1350.	2.6	2
166	34.4: <i>Invited Paper</i>: THz Devices based on High Birefringence Liquid Crystals. <i>Digest of Technical Papers SID International Symposium</i> , 2014, 45, 491-494.	0.3	2
167	Light-Driven Pitch Tuning of Self-Assembled Hierarchical Gratings. <i>Crystals</i> , 2021, 11, 326.	2.2	2
168	Electrically modulated large range tuning of self-assembled photonic bandgaps in polymer-stabilised blue phases. <i>Liquid Crystals</i> , 0, , 1-9.	2.2	2
169	Broadband spatial polarization processing of light via a photopatterned dichroic medium. <i>Applied Physics Letters</i> , 2022, 120, 041103.	3.3	2
170	Patterned optical anisotropic film for generation of non-diffracting vortex beams. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	2
171	A Liquid Crystal Tunable Wavelength-Interleaved Isolator With Flat Spectral Response. <i>Journal of Lightwave Technology</i> , 2010, 28, 2890-2896.	4.6	1
172	Fabrication of liquid crystal gratings based on photoalignment technology. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
173	Beam Shaping Based on Photopatterned Liquid Crystals. <i>Guangxue Xuebao/Acta Optica Sinica</i> , 2016, 36, 1026005.	1.2	1
174	Some progresses of photoalignment technique applied in liquid crystal nondisplay field. <i>Chinese Journal of Liquid Crystals and Displays</i> , 2017, 32, 411-423.	0.3	1
175	Parallel Processing OAM Modes Through Liquid Crystal Photoalignment. , 2018, , .		1
176	An All-Liquid-Crystal Strategy for Fast Orbital Angular Momentum Encoding and Optical Vortex Steering. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2022, 28, 1-6.	2.9	1
177	Liquid crystal gratings from nematic to blue phase. , 2012, , .		0
178	P&€105: Fast Switchable Grating Based on Ferroelectric Liquid Crystal. <i>Digest of Technical Papers SID International Symposium</i> , 2012, 43, 1456-1458.	0.3	0
179	Superstructures: Smectic Layer Origami via Preprogrammed Photoalignment (<i>Adv. Mater.</i> 15/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	0
180	54.2: <i>Invited Paper:</i> Liquid Crystal Based Optical Processing. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 589-589.	0.3	0

#	ARTICLE	IF	CITATIONS
181	Photoalignment enabled liquid crystal microstructures for optics and photonics. Chinese Journal of Liquid Crystals and Displays, 2021, 36, 921-938.	0.3	0
182	Programmable Chromism and Photoluminescence of Spiropyran-Based Liquid Crystalline Polymer with Tunable Glass Transition Temperature. Angewandte Chemie, 2021, 133, 19555-19561.	2.0	0
183	47.4: Invited Paper: Softmatter photonics: a strong competitor for planar optics. Digest of Technical Papers SID International Symposium, 2021, 52, 576-576.	0.3	0
184	Applications of Dynamic Mask Based Photolithography in Liquid Crystal Alignment. Chinese Journal of Liquid Crystals and Displays, 2013, 28, 199-203.	0.3	0
185	Editorial for special issue on soft-matter photonics (soft mattonics). Chinese Optics Letters, 2020, 18, 080001.	2.9	0
186	Visible and Online Detection of Near-Infrared Optical Vortices via Nonlinear Photonic Crystals (Advanced Optical Materials 1/2022). Advanced Optical Materials, 2022, 10, .	7.3	0