

Dan-Ran Li

List of Publications by Year in Descending Order

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

107
papers

2,749
citations

31
h-index

48
g-index

122
ext. papers

3,396
ext. citations

7.2
avg, IF

5.4
L-index

#	Paper	IF	Citations
107	Visible and Online Detection of Near-Infrared Optical Vortices via Nonlinear Photonic Crystals (Advanced Optical Materials 1/2022). <i>Advanced Optical Materials</i> , 2022 , 10, 2270002	8.1	
106	Creating Composite Vortex Beams with a Single Geometric Metasurface.. <i>Advanced Materials</i> , 2022 , e2109714	7	
105	Pancharatnam-Berry phase reversal via opposite-chirality-coexisted superstructures.. <i>Light: Science and Applications</i> , 2022 , 11, 135	16.7	5
104	Single Nanowire Integrated Microfiber Devices. <i>Results in Optics</i> , 2021 , 100199	1	
103	Tunable band-pass optical vortex processor enabled by wash-out-refill chiral superstructures. <i>Applied Physics Letters</i> , 2021 , 118, 151102	3.4	8
102	Self-Assembled Wavy Optical Microfiber for Stretchable Wearable Sensor. <i>Advanced Optical Materials</i> , 2021 , 9, 2002206	8.1	7
101	Silica optical fiber integrated with two-dimensional materials: towards opto-electro-mechanical technology. <i>Light: Science and Applications</i> , 2021 , 10, 78	16.7	17
100	Self-Assembled Wavy Optical Microfiber for Stretchable Wearable Sensor (Advanced Optical Materials 11/2021). <i>Advanced Optical Materials</i> , 2021 , 9, 2170042	8.1	
99	Magnetic Field Sensing Based on Multimode Fiber Specklegrams. <i>Journal of Lightwave Technology</i> , 2021 , 39, 3614-3619	4	2
98	Nonlinear Wavy Metasurfaces with Topological Defects for Manipulating Orbital Angular Momentum States. <i>ACS Photonics</i> , 2021 , 8, 1896-1902	6.3	2
97	Switchable Second-Harmonic Generation of Airy Beam and Airy Vortex Beam. <i>Advanced Optical Materials</i> , 2021 , 9, 2001776	8.1	7
96	Optical-Relayed Entanglement Distribution Using Drones as Mobile Nodes. <i>Physical Review Letters</i> , 2021 , 126, 020503	7.4	20
95	Programmable self-propelling actuators enabled by a dynamic helical medium. <i>Science Advances</i> , 2021 , 7,	14.3	5
94	Photoprogrammable Mesogenic Soft Helical Architectures: A Promising Avenue toward Future Chiro-Optics. <i>Advanced Materials</i> , 2020 , 32, e1905318	24	45
93	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	8.1	10
92	Smectic Defect Engineering Enabled by Programmable Photoalignment. <i>Advanced Optical Materials</i> , 2020 , 8, 2000593	8.1	7
91	Liquid-Crystal-Mediated Active Waveguides toward Programmable Integrated Optics. <i>Advanced Optical Materials</i> , 2020 , 8, 1902033	8.1	6

90	Photonic Entanglement Based on Nonlinear Metamaterials. <i>Laser and Photonics Reviews</i> , 2020 , 14, 1900146	8.5	10
89	Planar Terahertz Photonics Mediated by Liquid Crystal Polymers. <i>Advanced Optical Materials</i> , 2020 , 8, 1902124	8.1	18
88	Drone-based entanglement distribution towards mobile quantum networks. <i>National Science Review</i> , 2020 , 7, 921-928	10.8	23
87	Liquid-Crystal-Mediated Geometric Phase: From Transmissive to Broadband Reflective Planar Optics. <i>Advanced Materials</i> , 2020 , 32, e1903665	24	49
86	Photoresponsive Materials: Photoprogrammable Mesogenic Soft Helical Architectures: A Promising Avenue toward Future Chiro-Optics (Adv. Mater. 41/2020). <i>Advanced Materials</i> , 2020 , 32, 2070305	24	1
85	Approaching Quantum-Limited Metrology with Imperfect Detectors by Using Weak-Value Amplification. <i>Physical Review Letters</i> , 2020 , 125, 080501	7.4	11
84	Spin-controlled massive channels of hybrid-order Poincaré sphere beams. <i>Applied Physics Letters</i> , 2020 , 117, 081101	3.4	8
83	Vector Vortex Beam Emitter Embedded in a Photonic Chip. <i>Physical Review Letters</i> , 2020 , 124, 153601	7.4	24
82	Heterostructures: Broadband Optical-Fiber-Compatible Photodetector Based on a Graphene-MoS ₂ -WS ₂ Heterostructure with a Synergetic Photogenerating Mechanism (Adv. Electron. Mater. 1/2019). <i>Advanced Electronic Materials</i> , 2019 , 5, 1970005	6.4	1
81	Liquid crystal enabled dynamic cloaking of terahertz Fano resonators. <i>Applied Physics Letters</i> , 2019 , 114, 041106	3.4	26
80	Light-Activated Liquid Crystalline Hierarchical Architecture Toward Photonics. <i>Advanced Optical Materials</i> , 2019 , 7, 1900393	8.1	19
79	Chirality invertible superstructure mediated active planar optics. <i>Nature Communications</i> , 2019 , 10, 25181	7.4	63
78	A Flexible Wireless Dielectric Sensor for Noninvasive Fluid Monitoring. <i>Sensors</i> , 2019 , 20,	3.8	6
77	Self-Assembled Asymmetric Microlenses for Four-Dimensional Visual Imaging. <i>ACS Nano</i> , 2019 , 13, 13709	6.1	37
76	Optical Microfiber Sensors: Sensing Mechanisms, and Recent Advances. <i>Journal of Lightwave Technology</i> , 2019 , 37, 2577-2589	4	33
75	Broadband Optical-Fiber-Compatible Photodetector Based on a Graphene-MoS ₂ -WS ₂ Heterostructure with a Synergetic Photogenerating Mechanism. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800562	6.4	41
74	Photoinduced Liquid Crystal Domain Engineering for Optical Field Control 2019 , 361-387		1
73	Tunable and enhanced light emission in hybrid WS ₂ -optical-fiber-nanowire structures. <i>Light: Science and Applications</i> , 2019 , 8, 8	16.7	29

72	Ethanol Gas Sensor Based on a Hybrid Polymethyl Methacrylate/Silica Microfiber Coupler. <i>Journal of Lightwave Technology</i> , 2018 , 36, 2031-2036	4	14
71	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	24	46
70	Digitalizing Self-Assembled Chiral Superstructures for Optical Vortex Processing. <i>Advanced Materials</i> , 2018 , 30, 1705865	24	99
69	Vortex Airy beams directly generated via liquid crystal q-Airy-plates. <i>Applied Physics Letters</i> , 2018 , 112, 121101	3-4	33
68	Generation of second-harmonic Ince-Gaussian beams. <i>Applied Physics Letters</i> , 2018 , 113, 081105	3-4	5
67	Adaptive Materials: Light-Driven Reversible Transformation between Self-Organized Simple Cubic Lattice and Helical Superstructure Enabled by a Molecular Switch Functionalized Nanocage (Adv. Mater. 26/2018). <i>Advanced Materials</i> , 2018 , 30, 1870187	24	
66	Perfect Higher-Order Poincaré Sphere Beams from Digitalized Geometric Phases. <i>Physical Review Applied</i> , 2018 , 10,	4-3	22
65	Quasi-Phase-Matching Method Based on Coupling Compensation for Surface Second-Harmonic Generation in Optical Fiber Nanowire Coupler. <i>ACS Photonics</i> , 2018 , 5, 3916-3922	6-3	2
64	Photon-phonon Interaction in a Microfiber Induced by Optical and Electrostrictive Forces. <i>Scientific Reports</i> , 2017 , 7, 41849	4-9	3
63	Smectic Layer Origami via Preprogrammed Photoalignment. <i>Advanced Materials</i> , 2017 , 29, 1606671	24	30
62	Optical field control via liquid crystal photoalignment. <i>Molecular Crystals and Liquid Crystals</i> , 2017 , 644, 3-11	0-5	4
61	Digitalized Geometric Phases for Parallel Optical Spin and Orbital Angular Momentum Encoding. <i>ACS Photonics</i> , 2017 , 4, 1333-1338	6-3	69
60	Towards an all-in fiber photodetector by directly bonding few-layer molybdenum disulfide to a fiber facet. <i>Nanoscale</i> , 2017 , 9, 3424-3428	7-7	15
59	Light-Patterned Crystallographic Direction of a Self-Organized 3D Soft Photonic Crystal. <i>Advanced Materials</i> , 2017 , 29, 1703165	24	94
58	Manipulation of Nonlinear Optical Properties of Graphene Bonded Fiber Devices by Thermally Engineering Fermi/Dirac Distribution. <i>Advanced Optical Materials</i> , 2017 , 5, 1700630	8-1	7
57	Going beyond the limit of an LCD's color gamut. <i>Light: Science and Applications</i> , 2017 , 6, e17043	16-7	114
56	Orbital angular momentum (OAM) conversion and multicasting using N-core supermode fiber. <i>Scientific Reports</i> , 2017 , 7, 1062	4-9	7
55	Tailoring the photon spin via light-matter interaction in liquid-crystal-based twisting structures. <i>Npj Quantum Materials</i> , 2017 , 2,	5	6

54	Generation of strong cylindrical vector pulses via stimulated Brillouin amplification. <i>Applied Physics Letters</i> , 2017 , 110, 141104	3.4	13
53	Periodic micro-structures in optical microfibers induced by Plateau-Rayleigh instability and its applications. <i>Optics Express</i> , 2017 , 25, 4326-4334	3.3	12
52	Light-Driven Rotation and Pitch Tuning of Self-Organized Cholesteric Gratings Formed in a Semi-Free Film. <i>Polymers</i> , 2017 , 9,	4.5	18
51	Fiber-Optic Point-Based Sensor Using Specklegram Measurement. <i>Sensors</i> , 2017 , 17,	3.8	9
50	Generating, Separating and Polarizing Terahertz Vortex Beams via Liquid Crystals with Gradient-Rotation Directors. <i>Crystals</i> , 2017 , 7, 314	2.3	12
49	Generation of Equal-Energy Orbital Angular Momentum Beams via Photopatterned Liquid Crystals. <i>Physical Review Applied</i> , 2016 , 5,	4.3	46
48	Meta-q-plate for complex beam shaping. <i>Scientific Reports</i> , 2016 , 6, 25528	4.9	67
47	Mechanical Modulation of a Hybrid Graphene-Microfiber Structure. <i>Advanced Optical Materials</i> , 2016 , 4, 853-857	8.1	14
46	Beam shaping via photopatterned liquid crystals. <i>Liquid Crystals</i> , 2016 , 43, 2051-2061	2.3	31
45	A Fiber Laser Using Graphene-Integrated 3-D Microfiber Coil. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-7	1.8	1
44	Synthesis of single-crystal low-loss LiBO nanowire and its optical properties. <i>Scientific Reports</i> , 2016 , 6, 39389	4.9	2
43	Ferroelectric domain inversion and its stability in lithium niobate thin film on insulator with different thicknesses. <i>AIP Advances</i> , 2016 , 6, 075011	1.5	24
42	Differential twin receiving fiber-optic magnetic field and electric current sensor utilizing a microfiber coupler. <i>Optics Express</i> , 2015 , 23, 9407-14	3.3	26
41	Optical electrical current sensor utilizing a graphene-microfiber-integrated coil resonator. <i>Applied Physics Letters</i> , 2015 , 107, 053502	3.4	39
40	Microfiber-coupler-assisted control of wavelength tuning for Q-switched fiber laser with few-layer molybdenum disulfide nanoplates. <i>Optics Letters</i> , 2015 , 40, 3576-9	3	30
39	Polarization-controllable Airy beams generated via a photoaligned director-variant liquid crystal mask. <i>Scientific Reports</i> , 2015 , 5, 17484	4.9	42
38	Rationally Designed Dynamic Superstructures Enabled by Photoaligning Cholesteric Liquid Crystals. <i>Advanced Optical Materials</i> , 2015 , 3, 1691-1696	8.1	46
37	Miniature optical fiber current sensor based on a graphene membrane. <i>Laser and Photonics Reviews</i> , 2015 , 9, 517-522	8.3	23

36	Broadband tunable liquid crystal terahertz waveplates driven with porous graphene electrodes. <i>Light: Science and Applications</i> , 2015 , 4, e253-e253	16.7	111
35	An all-optical modulator based on a stereo graphene-microfiber structure. <i>Light: Science and Applications</i> , 2015 , 4, e360-e360	16.7	101
34	A Compact Sagnac Loop Based on a Microfiber Coupler for Twist Sensing. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 2579-2582	2.2	23
33	Generation of N00N State With Orbital Angular Momentum in a Twisted Nonlinear Photonic Crystal. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015 , 21, 225-230	3.8	17
32	An All-Fiber Reflective Hydrogen Sensor Based on a Photonic Crystal Fiber In-Line Interferometer. <i>IEEE Sensors Journal</i> , 2014 , 14, 1133-1136	4	21
31	Tailoring entanglement through domain engineering in a lithium niobate waveguide. <i>Scientific Reports</i> , 2014 , 4, 4812	4.9	9
30	A miniature reflective micro-force sensor based on a microfiber coupler. <i>Optics Express</i> , 2014 , 22, 2443-503	5.3	42
29	Multifunctional optical nanofiber polarization devices with 3D geometry. <i>Optics Express</i> , 2014 , 22, 17890-36	3.6	9
28	34.4: Invited Paper: THz Devices based on High Birefringence Liquid Crystals. <i>Digest of Technical Papers SID International Symposium</i> , 2014 , 45, 491-494	0.5	1
27	Quantum entanglement based on surface phonon polaritons in condensed matter systems. <i>AIP Advances</i> , 2013 , 3, 042122	1.5	5
26	Metallic Grating on a D-Shaped Fiber for Refractive Index Sensing. <i>IEEE Photonics Journal</i> , 2013 , 5, 4800708-4800706	1.8	10
25	Lead silicate fiber-based, refractive index-independent temperature sensor. <i>Journal of Modern Optics</i> , 2013 , 60, 851-853	1.1	2
24	Surface Plasmon Interferometer Based on Wedge Metal Waveguide and Its Sensing Applications. <i>IEEE Photonics Journal</i> , 2012 , 4, 291-299	1.8	8
23	A Heterodyne Optical Fiber Current Sensor Based on a Nanowire-Grid In-Line Polarizer. <i>IEEE Photonics Journal</i> , 2012 , 4, 1288-1294	1.8	8
22	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	2.1	10
21	Polarization-independent blue-phase liquid-crystal gratings driven by vertical electric field. <i>Journal of the Society for Information Display</i> , 2012 , 20, 341	2.1	42
20	Microfiber-based Bragg gratings for sensing applications: a review. <i>Sensors</i> , 2012 , 12, 8861-76	3.8	91
19	Ultra-Sensitive Refractive Index Sensor With Slightly Tapered Photonic Crystal Fiber. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1771-1774	2.2	31

18	Fast switchable grating based on orthogonal photo alignments of ferroelectric liquid crystals. <i>Applied Physics Letters</i> , 2012 , 101, 031112	3.4	80
17	Polarization independent liquid crystal gratings based on orthogonal photoalignments. <i>Applied Physics Letters</i> , 2012 , 100, 111116	3.4	56
16	Demonstration of a compact temperature sensor based on first-order Bragg grating in a tapered fiber probe. <i>Optics Express</i> , 2011 , 19, 18452-7	3.3	94
15	Teflon-coated microfiber resonator with weak temperature dependence. <i>Optics Express</i> , 2011 , 19, 22923-8	3.3	37
14	Highly Birefringent Slot-Microfiber. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1034-1036	2.2	18
13	Self-polarizing terahertz liquid crystal phase shifter. <i>AIP Advances</i> , 2011 , 1, 032133	1.5	63
12	An Optical Fiber Tip Micrograting Thermometer. <i>IEEE Photonics Journal</i> , 2011 , 3, 810-814	1.8	35
11	Dispersion Study of Optical Nanowire Microcoil Resonators. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2011 , 17, 1102-1106	3.8	12
10	Miniaturized Metal-Dielectric-Hybrid Fiber Tip Grating for Refractive Index Sensing. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1712-1714	2.2	22
9	Measurement of Surface Plasmon Polariton Enhanced Goos-Hanchen Shift Based on Grating and Liquid Crystal Technologies. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1829-1831	2.2	5
8	Miniaturized fiber taper reflective interferometer for high temperature measurement. <i>Optics Express</i> , 2010 , 18, 14245-50	3.3	130
7	Microfiber-probe-based ultrasmall interferometric sensor. <i>Optics Letters</i> , 2010 , 35, 2308-10	3	60
6	A Liquid Crystal Tunable Wavelength-Interleaved Isolator With Flat Spectral Response. <i>Journal of Lightwave Technology</i> , 2010 , 28, 2890-2896	4	
5	Visible and Online Detection of Near-Infrared Optical Vortices via Nonlinear Photonic Crystals. <i>Advanced Optical Materials</i> , 2101098	8.1	3
4	Simultaneous Realization of Dynamic and Hybrid Multiplexed Holography via Light-Activated Chiral Superstructures. <i>Laser and Photonics Reviews</i> , 2200011	8.3	5
3	Photo-Actuated Chiral Smectic Superstructures. <i>Advanced Optical Materials</i> , 2102754	8.1	1
2	3D Engineering of Orbital Angular Momentum Beams via Liquid-Crystal Geometric Phase. <i>Laser and Photonics Reviews</i> , 2200118	8.3	2
1	Spin-Decoupled Transflective Spatial Light Modulations Enabled by a Piecewise-Twisted Anisotropic Monolayer. <i>Advanced Science</i> , 2202424	13.6	6

