

# Lei Han

## List of Publications by Year in descending order

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47  
papers

2,292  
citations

361413

20  
h-index

254184

43  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2251  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamically measuring the holo-information of light fields in three-dimensional space using a periodic polarization-structured light. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	8
2	Nanometric displacement sensor with a switchable measuring range using a cylindrical vector beam excited silicon nanoantenna. <i>Optics Express</i> , 2021, 29, 25109.	3.4	4
3	Femtosecond laser-induced spatial-frequency-shifted nanostructures by polarization ellipticity modulation. <i>Optics Express</i> , 2021, 29, 29766.	3.4	1
4	Dispersion-Engineered, Broadband, Wide-Angle, Polarization-Independent Microwave Metamaterial Absorber. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 229-238.	5.1	75
5	Observation of optical vortex knots and links associated with topological charge. <i>Optics Express</i> , 2021, 29, 38849-38857.	3.4	11
6	Polarization-switchable nanoripples fabricated on a silicon surface by femtosecond-laser-assisted nanopatterning. <i>Applied Optics</i> , 2020, 59, 7211.	1.8	2
7	Hybrid vector beams with non-uniform orbital angular momentum density induced by designed azimuthal polarization gradient*. <i>Chinese Physics B</i> , 2020, 29, 094203.	1.4	5
8	Tightly focused light field with controllable pure transverse polarization state at the focus. <i>Optics Letters</i> , 2020, 45, 6034.	3.3	3
9	Dual-focal metalenses based on complete decoupling of amplitude, phase, and polarization. <i>URSI Radio Science Bulletin</i> , 2020, 2020, 54-62.	0.1	0
10	Chirality-Assisted High-Efficiency Metasurfaces with Independent Control of Phase, Amplitude, and Polarization. <i>Advanced Optical Materials</i> , 2019, 7, 1801479.	7.3	181
11	A method for fast and robustly measuring the state of polarization of arbitrary light beams based on Pancharatnam-Berry phase. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	6
12	Dual-Focal Metalenses Based on Complete Decoupling of Amplitude, Phase and Polarization. , 2019, , .		0
13	Interference-assisted kaleidoscopic meta-plexer for arbitrary spin-wavefront manipulation. <i>Light: Science and Applications</i> , 2019, 8, 3.	16.6	153
14	Completely Spin-Decoupled Dual-Phase Hybrid Metasurfaces for Arbitrary Wavefront Control. <i>ACS Photonics</i> , 2019, 6, 211-220.	6.6	132
15	Modulation of orbital angular momentum on the propagation dynamics of light fields. <i>Frontiers of Optoelectronics</i> , 2019, 12, 69-87.	3.7	9
16	Anti-parity-time symmetry in diffusive systems. <i>Science</i> , 2019, 364, 170-173.	12.6	217
17	Characterizing localized surface plasmon resonances using focused radially polarized beam. <i>Applied Optics</i> , 2019, 58, 5812.	1.8	7
18	Unidirectional scattering exploited transverse displacement sensor with tunable measuring range. <i>Optics Express</i> , 2019, 27, 4944.	3.4	15

#	ARTICLE	IF	CITATIONS
19	Auto-transition of vortex- to vector-Airy beams via liquid crystal q-Airy-plates. Optics Express, 2019, 27, 18848.	3.4	15
20	A method of efficiently generating arbitrary vector beams. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 024201.	0.5	2
21	Radial breathing modes coupling in plasmonic molecules. Optics Express, 2019, 27, 5116.	3.4	2
22	Enhanced second-harmonic generation assisted by breathing mode in a multi-resonant plasmonic trimer. Optics Letters, 2019, 44, 3813.	3.3	2
23	Frequency-and-spin multiplexed metasurface. , 2019, , .		1
24	Enhanced second harmonic generation from a plasmonic Fano structure subjected to an azimuthally polarized light beam. Journal of Physics Condensed Matter, 2018, 30, 064004.	1.8	7
25	Catalystlike effect of orbital angular momentum on the conversion of transverse to three-dimensional spin states within tightly focused radially polarized beams. Physical Review A, 2018, 97, .	2.5	41
26	Helicity-Induced Multifunctional Devices Based on Hybrid Metasurfaces. , 2018, , .		0
27	Tip-Enhanced Raman Spectroscopy with High-Order Fiber Vector Beam Excitation. Sensors, 2018, 18, 3841.	3.8	21
28	Creation of independently controllable multiple focal spots from segmented Pancharatnam-Berry phases. Scientific Reports, 2018, 8, 9831.	3.3	14
29	Highly efficient generation of arbitrary vector beams with tunable polarization, phase, and amplitude. Photonics Research, 2018, 6, 228.	7.0	119
30	Sub-10 <sup>10</sup> nm particle trapping enabled by a plasmonic dark mode. Optics Letters, 2018, 43, 3413.	3.3	20
31	Cylindrical vector beam-excited frequency-tunable second harmonic generation in a plasmonic octamer. Photonics Research, 2018, 6, 157.	7.0	22
32	A method for simultaneously measuring polarization and phase of arbitrarily polarized beams based on Pancharatnam-Berry phase. Applied Physics Letters, 2017, 110, .	3.3	28
33	Efficient generation of vector beams by calibrating the phase response of a spatial light modulator. Applied Optics, 2017, 56, 4956.	2.1	25
34	Generation and self-healing of vector Bessel-Gauss beams with variant state of polarizations upon propagation. Optics Express, 2017, 25, 5821.	3.4	53
35	Gouy phase induced polarization transition of focused vector vortex beams. Optics Express, 2017, 25, 25725.	3.4	31
36	Vortex-controlled morphology conversion of microstructures on silicon induced by femtosecond vector vortex beams. Applied Physics Letters, 2017, 111, .	3.3	44

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37	Manipulating spin-dependent splitting of vector abruptly autofocusing beam by encoding cosine-azimuthal variant phases. <i>Optics Express</i> , 2016, 24, 28409.	3.4	18
38	Managing focal fields of vector beams with multiple polarization singularities. <i>Applied Optics</i> , 2016, 55, 9049.	2.1	8
39	Quasi-Bessel beams with longitudinally varying polarization state generated by employing spectrum engineering. <i>Optics Letters</i> , 2016, 41, 4811.	3.3	32
40	Generation of perfect vectorial vortex beams. <i>Optics Letters</i> , 2016, 41, 2205.	3.3	151
41	Tunable Fano-like resonance enabled by coupling a microsphere with a fiber Mach-Zehnder interferometer. <i>Applied Optics</i> , 2016, 55, 5756.	2.1	11
42	Optimized weak measurement for spatial spin-dependent shifts at Brewster angle. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	4
43	Design of Multicore Photonic Crystal Fibers to Generate Cylindrical Vector Beams. <i>Journal of Lightwave Technology</i> , 2016, 34, 1206-1211.	4.6	23
44	WS2 mode-locked ultrafast fiber laser. <i>Scientific Reports</i> , 2015, 5, 7965.	3.3	406
45	Harmonic mode locking of bound-state solitons fiber laser based on MoS <sub>2</sub> saturable absorber. <i>Optics Express</i> , 2015, 23, 205.	3.4	127
46	Graphene-assisted all-fiber phase shifter and switching. <i>Optica</i> , 2015, 2, 468.	9.3	183
47	Graphene-coated tilted fiber-Bragg grating for enhanced sensing in low-refractive-index region. <i>Optics Letters</i> , 2015, 40, 3994.	3.3	53