

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
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47
all docs

47
docs citations

47
times ranked

2251
citing authors

#	ARTICLE	IF	CITATIONS
1	WS2 mode-locked ultrafast fiber laser. <i>Scientific Reports</i> , 2015, 5, 7965.	3.3	406
2	Anti-“parity-time symmetry in diffusive systems. <i>Science</i> , 2019, 364, 170-173.	12.6	217
3	Graphene-assisted all-fiber phase shifter and switching. <i>Optica</i> , 2015, 2, 468.	9.3	183
4	Chirality-Assisted High-Efficiency Metasurfaces with Independent Control of Phase, Amplitude, and Polarization. <i>Advanced Optical Materials</i> , 2019, 7, 1801479.	7.3	181
5	Interference-assisted kaleidoscopic meta-plexer for arbitrary spin-wavefront manipulation. <i>Light: Science and Applications</i> , 2019, 8, 3.	16.6	153
6	Generation of perfect vectorial vortex beams. <i>Optics Letters</i> , 2016, 41, 2205.	3.3	151
7	Completely Spin-Decoupled Dual-Phase Hybrid Metasurfaces for Arbitrary Wavefront Control. <i>ACS Photonics</i> , 2019, 6, 211-220.	6.6	132
8	Harmonic mode locking of bound-state solitons fiber laser based on MoS ₂ saturable absorber. <i>Optics Express</i> , 2015, 23, 205.	3.4	127
9	Highly efficient generation of arbitrary vector beams with tunable polarization, phase, and amplitude. <i>Photonics Research</i> , 2018, 6, 228.	7.0	119
10	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
11	Graphene-coated tilted fiber-Bragg grating for enhanced sensing in low-refractive-index region. <i>Optics Letters</i> , 2015, 40, 3994.	3.3	53
12	Generation and self-healing of vector Bessel-Gauss beams with variant state of polarizations upon propagation. <i>Optics Express</i> , 2017, 25, 5821.	3.4	53
13	Vortex-controlled morphology conversion of microstructures on silicon induced by femtosecond vector vortex beams. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	44
14	Catalystlike effect of orbital angular momentum on the conversion of transverse to three-dimensional spin states within tightly focused radially polarized beams. <i>Physical Review A</i> , 2018, 97, .	2.5	41
15	Quasi-Bessel beams with longitudinally varying polarization state generated by employing spectrum engineering. <i>Optics Letters</i> , 2016, 41, 4811.	3.3	32
16	Gouy phase induced polarization transition of focused vector vortex beams. <i>Optics Express</i> , 2017, 25, 25725.	3.4	31
17	A method for simultaneously measuring polarization and phase of arbitrarily polarized beams based on Pancharatnam-Berry phase. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	28
18	Efficient generation of vector beams by calibrating the phase response of a spatial light modulator. <i>Applied Optics</i> , 2017, 56, 4956.	2.1	25

#	ARTICLE	IF	CITATIONS
19	Design of Multicore Photonic Crystal Fibers to Generate Cylindrical Vector Beams. <i>Journal of Lightwave Technology</i> , 2016, 34, 1206-1211.	4.6	23
20	Cylindrical vector beam-excited frequency-tunable second harmonic generation in a plasmonic octamer. <i>Photonics Research</i> , 2018, 6, 157.	7.0	22
21	Tip-Enhanced Raman Spectroscopy with High-Order Fiber Vector Beam Excitation. <i>Sensors</i> , 2018, 18, 3841.	3.8	21
22	Sub-10 μm particle trapping enabled by a plasmonic dark mode. <i>Optics Letters</i> , 2018, 43, 3413.	3.3	20
23	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
24	Unidirectional scattering exploited transverse displacement sensor with tunable measuring range. <i>Optics Express</i> , 2019, 27, 4944.	3.4	15
25	Auto-transition of vortex- to vector-Airy beams via liquid crystal q-Airy-plates. <i>Optics Express</i> , 2019, 27, 18848.	3.4	15
26	Creation of independently controllable multiple focal spots from segmented Pancharatnam-Berry phases. <i>Scientific Reports</i> , 2018, 8, 9831.	3.3	14
27	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
28	Observation of optical vortex knots and links associated with topological charge. <i>Optics Express</i> , 2021, 29, 38849-38857.	3.4	11
29	Modulation of orbital angular momentum on the propagation dynamics of light fields. <i>Frontiers of Optoelectronics</i> , 2019, 12, 69-87.	3.7	9
30	Managing focal fields of vector beams with multiple polarization singularities. <i>Applied Optics</i> , 2016, 55, 9049.	2.1	8
31	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
32	Enhanced second harmonic generation from a plasmonic Fano structure subjected to an azimuthally polarized light beam. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 064004.	1.8	7
33	Characterizing localized surface plasmon resonances using focused radially polarized beam. <i>Applied Optics</i> , 2019, 58, 5812.	1.8	7
34	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
35	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
36	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

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37	Nanometric displacement sensor with a switchable measuring range using a cylindrical vector beam excited silicon nanoantenna. Optics Express, 2021, 29, 25109.	3.4	4
38	Tightly focused light field with controllable pure transverse polarization state at the focus. Optics Letters, 2020, 45, 6034.	3.3	3
39	Polarization-switchable nanoripples fabricated on a silicon surface by femtosecond-laser-assisted nanopatterning. Applied Optics, 2020, 59, 7211.	1.8	2
40	A method of efficiently generating arbitrary vector beams. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 024201.	0.5	2
41	Radial breathing modes coupling in plasmonic molecules. Optics Express, 2019, 27, 5116.	3.4	2
42	Enhanced second-harmonic generation assisted by breathing mode in a multi-resonant plasmonic trimer. Optics Letters, 2019, 44, 3813.	3.3	2
43	Femtosecond laser-induced spatial-frequency-shifted nanostructures by polarization ellipticity modulation. Optics Express, 2021, 29, 29766.	3.4	1
44	Frequency-and-spin multiplexed metasurface. , 2019, , .		1
45	Helicity-Induced Multifunctional Devices Based on Hybrid Metasurfaces. , 2018, , .		0
46	Dual-Focal Metalenses Based on Complete Decoupling of Amplitude, Phase and Polarization. , 2019, , .		0
47	Dual-focal metalenses based on complete decoupling of amplitude, phase, and polarization. URSI Radio Science Bulletin, 2020, 2020, 54-62.	0.1	0