

Yi Zhang

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.

29
papers

658
citations

14
h-index

25
g-index

30
ext. papers

826
ext. citations

4.3
avg, IF

3.89
L-index

#	Paper	IF	Citations
29	Probing Electronic States in Monolayer Semiconductors through Static and Transient Third-Harmonic Spectroscopies. <i>Advanced Materials</i> , 2021 , e2107104	24	0
28	Optical vortex knots and links via holographic metasurfaces. <i>Advances in Physics: X</i> , 2021 , 6, 1843535	5.1	5
27	Axially Tailored Light Field by Means of a Dielectric Metalens. <i>Physical Review Applied</i> , 2020 , 14,	4.3	6
26	Compressive Optical Spectrometry Based on Sequency-Ordered Hadamard Transform. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-8	1.8	2
25	Auto-transition of vortex- to vector-Airy beams via liquid crystal q-Airy-plates. <i>Optics Express</i> , 2019 , 27, 18848-18857	3.3	10
24	Modulation of orbital angular momentum on the propagation dynamics of light fields. <i>Frontiers of Optoelectronics</i> , 2019 , 12, 69-87	2.8	7
23	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,	2.6	29
22	Vortex Airy beams directly generated via liquid crystal q-Airy-plates. <i>Applied Physics Letters</i> , 2018 , 112, 121101	3.4	33
21	Reconstruction of structured laser beams through a multimode fiber based on digital optical phase conjugation. <i>Optics Letters</i> , 2018 , 43, 3333-3336	3	12
20	Highly efficient generation of arbitrary vector beams with tunable polarization, phase, and amplitude. <i>Photonics Research</i> , 2018 , 6, 228	6	64
19	Polarization oscillating beams constructed by copropagating optical frozen waves. <i>Photonics Research</i> , 2018 , 6, 756	6	17
18	Three-dimensional modulations on the states of polarization of light fields. <i>Chinese Physics B</i> , 2018 , 27, 114201	1.2	6
17	Measuring singularities of cylindrically structured light beams using a radial grating. <i>Applied Physics Letters</i> , 2018 , 113, 221108	3.4	7
16	Creation of independently controllable multiple focal spots from segmented Pancharatnam-Berry phases. <i>Scientific Reports</i> , 2018 , 8, 9831	4.9	9
15	A method for simultaneously measuring polarization and phase of arbitrarily polarized beams based on Pancharatnam-Berry phase. <i>Applied Physics Letters</i> , 2017 , 110, 171112	3.4	21
14	Efficient generation of vector beams by calibrating the phase response of a spatial light modulator. <i>Applied Optics</i> , 2017 , 56, 4956-4960	0.2	16
13	Generation and self-healing of vector Bessel-Gauss beams with variant state of polarizations upon propagation. <i>Optics Express</i> , 2017 , 25, 5821-5831	3.3	38

12	Gouy phase induced polarization transition of focused vector vortex beams. <i>Optics Express</i> , 2017 , 25, 25725-25733	3.3	28
11	Vortex-controlled morphology conversion of microstructures on silicon induced by femtosecond vector vortex beams. <i>Applied Physics Letters</i> , 2017 , 111, 141901	3.4	31
10	Optimized weak measurement for spatial spin-dependent shifts at Brewster angle. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1.9	3
9	Manipulating spin-dependent splitting of vector abruptly autofocusing beam by encoding cosine-azimuthal variant phases. <i>Optics Express</i> , 2016 , 24, 28409-28418	3.3	11
8	Managing focal fields of vector beams with multiple polarization singularities. <i>Applied Optics</i> , 2016 , 55, 9049-9053	0.2	6
7	Quasi-Bessel beams with longitudinally varying polarization state generated by employing spectrum engineering. <i>Optics Letters</i> , 2016 , 41, 4811-4814	3	19
6	Longitudinal spin separation of light and its performance in three-dimensionally controllable spin-dependent focal shift. <i>Scientific Reports</i> , 2016 , 6, 20774	4.9	25
5	Generation of perfect vectorial vortex beams. <i>Optics Letters</i> , 2016 , 41, 2205-8	3	112
4	Harmonic mode locking of bound-state solitons fiber laser based on MoS(2) saturable absorber. <i>Optics Express</i> , 2015 , 23, 205-10	3.3	95
3	Experimental realization of focal field engineering of the azimuthally polarized beams modulated by multi-azimuthal masks. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015 , 32, 1867	1.7	9
2	Unveiling the photonic spin Hall effect of freely propagating fan-shaped cylindrical vector vortex beams. <i>Optics Letters</i> , 2015 , 40, 4444-7	3	32
1	Analogous Optical Activity in Free Space Using a Single Pancharatnam Berry Phase Element. <i>Laser and Photonics Reviews</i> , 2100291	8.3	3