

# Yachao Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

2,298  
citations

331670

21  
h-index

454955

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1525  
citing authors

#	ARTICLE	IF	CITATIONS
1	Beam Manipulations With Compact Planar Dielectric Pancharatnam-Berry Phase Devices. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	1
2	A Nonlocal Effective Medium Description of Topological Weyl Metamaterials. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100129.	8.7	13
3	Photonic Hall effect and helical Zitterbewegung in a synthetic Weyl system. <i>Light: Science and Applications</i> , 2019, 8, 49.	16.6	21
4	Generation of perfect vortex and vector beams based on Pancharatnam-Berry phase elements. <i>Scientific Reports</i> , 2017, 7, 44096.	3.3	136
5	Recent advances in the spin Hall effect of light. <i>Reports on Progress in Physics</i> , 2017, 80, 066401.	20.1	360
6	Quantized photonic spin Hall effect in graphene. <i>Physical Review A</i> , 2017, 95, .	2.5	90
7	Photonic spin Hall effect in metasurfaces: a brief review. <i>Nanophotonics</i> , 2017, 6, 51-70.	6.0	126
8	Geometric phase Doppler effect: when structured light meets rotating structured materials. <i>Optics Express</i> , 2017, 25, 11564.	3.4	16
9	Polarization evolution of vector beams generated by q-plates. <i>Photonics Research</i> , 2017, 5, 64.	7.0	40
10	Generation of arbitrary vector vortex beams on hybrid-order Poincaré sphere. <i>Photonics Research</i> , 2017, 5, 15.	7.0	169
11	Compact photonic spin filters. <i>Applied Physics Letters</i> , 2016, 109, 181104.	3.3	7
12	Optical integration of Pancharatnam-Berry phase lens and dynamical phase lens. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	40
13	Propagation model for vector beams generated by metasurfaces. <i>Optics Express</i> , 2016, 24, 21177.	3.4	36
14	Spin-photonic devices based on optical integration of Pancharatnam-Berry phase elements. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
15	Spin-dependent manipulating of vector beams by tailoring polarization. <i>Scientific Reports</i> , 2016, 6, 34276.	3.3	24
16	Radial spin Hall effect of light. <i>Physical Review A</i> , 2016, 93, .	2.5	29
17	Photonic spin filter with dielectric metasurfaces. <i>Optics Express</i> , 2015, 23, 33079.	3.4	13
18	Realization of spin-dependent splitting with arbitrary intensity patterns based on all-dielectric metasurfaces. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	23

#	ARTICLE	IF	CITATIONS
19	Higher-order laser mode converters with dielectric metasurfaces. Optics Letters, 2015, 40, 5506.	3.3	41
20	Hybrid-order Poincaré sphere. Physical Review A, 2015, 91, .	2.5	156
21	Photonic spin Hall effect in dielectric metasurfaces with rotational symmetry breaking. Optics Letters, 2015, 40, 756.	3.3	64
22	Observation of photonic spin Hall effect with phase singularity at dielectric metasurfaces. Optics Express, 2015, 23, 1767.	3.4	34
23	Giant photonic spin Hall effect in momentum space in a structured metamaterial with spatially varying birefringence. Light: Science and Applications, 2015, 4, e290-e290.	16.6	245
24	Generation of Airy vortex and Airy vector beams based on the modulation of dynamic and geometric phases. Optics Letters, 2015, 40, 3193.	3.3	89
25	Manipulating the spin-dependent splitting by geometric Doppler effect. Optics Express, 2015, 23, 16682.	3.4	12
26	Addition and subtraction operation of optical orbital angular momentum with dielectric metasurfaces. Optics Communications, 2015, 356, 456-462.	2.1	6
27	Spin photonics and spin-photonic devices with dielectric metasurfaces. , 2015, , .		1
28	Generation of arbitrary cylindrical vector beams on the higher order Poincaré sphere. Optics Letters, 2014, 39, 5274.	3.3	157
29	Realization of tunable spin-dependent splitting in intrinsic photonic spin Hall effect. Applied Physics Letters, 2014, 105, .	3.3	50
30	Generation of cylindrical vector vortex beams by two cascaded metasurfaces. Optics Express, 2014, 22, 17207.	3.4	176
31	Realization of polarization evolution on higher-order Poincaré sphere with metasurface. Applied Physics Letters, 2014, 104, .	3.3	121