Junxiao Zhou

List of Publications by Year
in descending order

18	1,127	623734	839539
papers	citations	14 h-index	18 g-index

18	18	18	785
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonlinear Computational Edge Detection Metalens. Advanced Functional Materials, 2022, 32, .	14.9	19
2	Fourier Optical Spin Splitting Microscopy. Physical Review Letters, 2022, 129, .	7.8	16
3	Two-dimensional optical spatial differentiation and high-contrast imaging. National Science Review, 2021, 8, nwaa176.	9.5	74
4	Kerr Metasurface Enabled by Metallic Quantum Wells. Nano Letters, 2021, 21, 330-336.	9.1	8
5	Metasurface enabled quantum edge detection. Science Advances, 2020, 6, .	10.3	103
6	Goosâ€“HÃnchen effect enabled optical differential operation and image edge detection. Applied Physics Letters, 2020, 116, .	3.3	61
7	Wavelength-independent optical fully differential operation based on the spinâ€“orbit interaction of light. APL Photonics, 2020, 5, .	5.7	53
8	Ultrasensitive and real-time detection of chemical reaction rate based on the photonic spin Hall effect. APL Photonics, 2020, 5, 016105.	5.7	85
9	Spatial differential operation and edge detection based on the geometric spin Hall effect of light. Optics Letters, 2020, 45, 877.	3.3	89
10	Optical analog computing of two-dimensional spatial differentiation based on the Brewster effect. Optics Letters, 2020, 45, 6867.	3.3	45
11	A spin controlled wavefront shaping metasurface with low dispersion in visible frequencies. Nanoscale, 2019, 11, 17111-17119.	5.6	14
12	Optical edge detection based on high-efficiency dielectric metasurface. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11137-11140.	7.1	251
13	Broadband Photonic Spin Hall Meta-Lens. ACS Nano, 2018, 12, 82-88.	14.6	79
14	Generation of perfect vortex and vector beams based on Pancharatnam-Berry phase elements. Scientific Reports, 2017, 7, 44096.	3.3	136
15	Compact photonic spin filters. Applied Physics Letters, 2016, 109, 181104.	3.3	7
16	Optical integration of Pancharatnam-Berry phase lens and dynamical phase lens. Applied Physics Letters, 2016, 108, .	3.3	40
17	Spin-dependent manipulating of vector beams by tailoring polarization. Scientific Reports, 2016, 6, 34276.	3.3	24
18	Realization of spin-dependent splitting with arbitrary intensity patterns based on all-dielectric metasurfaces. Applied Physics Letters, 2015, 107, .	3.3	23