

Alexander Y Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

5,553
citations

516561

16
h-index

752573

20
g-index

20
all docs

20
docs citations

20
times ranked

4287
citing authors

#	ARTICLE	IF	CITATIONS
1	Metalenses at visible wavelengths: Diffraction-limited focusing and subwavelength resolution imaging. <i>Science</i> , 2016, 352, 1190-1194.	6.0	2,435
2	A broadband achromatic metalens for focusing and imaging in the visible. <i>Nature Nanotechnology</i> , 2018, 13, 220-226.	15.6	1,190
3	Flat optics with dispersion-engineered metasurfaces. <i>Nature Reviews Materials</i> , 2020, 5, 604-620.	23.3	411
4	A broadband achromatic polarization-insensitive metalens consisting of anisotropic nanostructures. <i>Nature Communications</i> , 2019, 10, 355.	5.8	297
5	Generation of wavelength-independent subwavelength Bessel beams using metasurfaces. <i>Light: Science and Applications</i> , 2017, 6, e16259-e16259.	7.7	213
6	Single-Layer Metasurface with Controllable Multiwavelength Functions. <i>Nano Letters</i> , 2018, 18, 2420-2427.	4.5	165
7	Continuous angle-tunable birefringence with freeform metasurfaces for arbitrary polarization conversion. <i>Science Advances</i> , 2020, 6, eaba3367.	4.7	143
8	Broadband Achromatic Metasurface-Refractive Optics. <i>Nano Letters</i> , 2018, 18, 7801-7808.	4.5	138
9	Ultra-compact visible chiral spectrometer with meta-lenses. <i>APL Photonics</i> , 2017, 2, .	3.0	108
10	Frequency combs induced by phase turbulence. <i>Nature</i> , 2020, 582, 360-364.	13.7	87
11	Optical properties of metasurfaces infiltrated with liquid crystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20390-20396.	3.3	66
12	Visible Wavelength Planar Metalenses Based on Titanium Dioxide. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 43-58.	1.9	62
13	Imaging Performance of Polarization-Insensitive Metalenses. <i>ACS Photonics</i> , 2019, 6, 1493-1499.	3.2	57
14	Compact Aberration-Corrected Spectrometers in the Visible Using Dispersion-Tailored Metasurfaces. <i>Advanced Optical Materials</i> , 2019, 7, 1801144.	3.6	52
15	High-Operating-Temperature Direct Ink Writing of Mesoscale Eutectic Architectures. <i>Advanced Materials</i> , 2017, 29, 1604778.	11.1	41
16	Mitigating Chromatic Dispersion with Hybrid Optical Metasurfaces. <i>Advanced Materials</i> , 2019, 31, e1805555.	11.1	37
17	Guided Modes of Anisotropic van der Waals Materials Investigated by near-Field Scanning Optical Microscopy. <i>ACS Photonics</i> , 2018, 5, 1196-1201.	3.2	15
18	Ultrahigh Angular Selectivity of Disorder-Engineered Metasurfaces. <i>ACS Photonics</i> , 2020, 7, 991-1000.	3.2	15

#	ARTICLE	IF	CITATIONS
19	Cavity-enhanced mid-infrared absorption in perforated graphene. Journal of Nanophotonics, 2014, 8, 083888.	0.4	13
20	Coherent Raman scattering imaging with a near-infrared achromatic metalens. APL Photonics, 2021, 6, 096107.	3.0	8