

Yu Horie

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

6,456
citations

331259

21
h-index

610482

24
g-index

34
all docs

34
docs citations

34
times ranked

4425
citing authors

#	ARTICLE	IF	CITATIONS
1	Increasing efficiency of high numerical aperture metasurfaces using the grating averaging technique. Scientific Reports, 2020, 10, 7124.	1.6	39
2	MEMS-tunable dielectric metasurface lens. Nature Communications, 2018, 9, 812.	5.8	527
3	Wavefront shaping with disorder-engineered metasurfaces. Nature Photonics, 2018, 12, 84-90.	15.6	205
4	High-Speed, Phase-Dominant Spatial Light Modulation with Silicon-Based Active Resonant Antennas. ACS Photonics, 2018, 5, 1711-1717.	3.2	62
5	Two-Photon Microscopy with a Double-Wavelength Metasurface Objective Lens. Nano Letters, 2018, 18, 4943-4948.	4.5	77
6	MEMS-tunable dielectric metasurface lens. , 2018, , .		1
7	Wide-angular-range and high-resolution beam steering by a metasurface-coupled phased array. Optics Letters, 2018, 43, 5255.	1.7	33
8	Planar metasurface retroreflector. Nature Photonics, 2017, 11, 415-420.	15.6	339
9	Visible Wavelength Color Filters Using Dielectric Subwavelength Gratings for Backside-Illuminated CMOS Image Sensor Technologies. Nano Letters, 2017, 17, 3159-3164.	4.5	101
10	Controlling the sign of chromatic dispersion in diffractive optics with dielectric metasurfaces. Optica, 2017, 4, 625.	4.8	259
11	Angle-Multiplexed Metasurfaces: Encoding Independent Wavefronts in a Single Metasurface under Different Illumination Angles. Physical Review X, 2017, 7, .	2.8	135
12	Fabrication of Single Crystal Gallium Phosphide Thin Films on Glass. Scientific Reports, 2017, 7, 4643.	1.6	20
13	Flat and conformal optics with dielectric metasurfaces. , 2017, , .		1
14	Dielectric metasurfaces with independent angular control. , 2017, , .		0
15	Dispersion-controlled diffractive devices with dielectric metasurfaces. , 2017, , .		0
16	Miniature optical planar camera based on a wide-angle metasurface doublet corrected for monochromatic aberrations. Nature Communications, 2016, 7, 13682.	5.8	460
17	High efficiency double-wavelength dielectric metasurface lenses with dichroic birefringent meta-atoms. Optics Express, 2016, 24, 18468.	1.7	88
18	Decoupling optical function and geometrical form using conformal flexible dielectric metasurfaces. Nature Communications, 2016, 7, 11618.	5.8	215

#	ARTICLE	IF	CITATIONS
19	Highly tunable elastic dielectric metasurface lenses (Laser Photonics Rev. 10(6)/2016). Laser and Photonics Reviews, 2016, 10, 1062-1062.	4.4	12
20	Multiwavelength metasurfaces through spatial multiplexing. Scientific Reports, 2016, 6, 32803.	1.6	157
21	Highly tunable elastic dielectric metasurface lenses. Laser and Photonics Reviews, 2016, 10, 1002-1008.	4.4	283
22	Wide bandwidth and high resolution planar filter array based on DBR-metasurface-DBR structures. Optics Express, 2016, 24, 11677.	1.7	62
23	Multiwavelength polarization-insensitive lenses based on dielectric metasurfaces with meta-molecules. Optica, 2016, 3, 628.	4.8	371
24	Dispersionless metasurfaces using dispersive meta-atoms. , 2016, , .		2
25	Tunable dielectric metasurfaces using elastic substrates. , 2016, , .		1
26	Dielectric metasurface narrowband filter array. , 2016, , .		1
27	Conformal and tunable optical dielectric metasurfaces based on flexible stretchable substrates. , 2016, , .		0
28	Efficient dielectric metasurface collimating lenses for mid-infrared quantum cascade lasers. Optics Express, 2015, 23, 33310.	1.7	107
29	High resolution on-chip optical filter array based on double subwavelength grating reflectors. Optics Express, 2015, 23, 29848.	1.7	23
30	Subwavelength-thick lenses with high numerical apertures and large efficiency based on high-contrast transmitarrays. Nature Communications, 2015, 6, 7069.	5.8	848
31	Dielectric metasurfaces for complete control of phase and polarization with subwavelength spatial resolution and high transmission. Nature Nanotechnology, 2015, 10, 937-943.	15.6	2,009
32	Planar Retroreflector. , 2014, , .		5
33	Controlling the Phase Front of Optical Fiber Beams using High Contrast Metastructures. , 2014, , .		6
34	Emission wavelength tuning by mechanical stressing of GaAs/Ge/Si microbeams. Optics Express, 2011, 19, 15732.	1.7	7