

Yu Horie

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

6,456
citations

331538

21
h-index

610775

24
g-index

34
all docs

34
docs citations

34
times ranked

4425
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric metasurfaces for complete control of phase and polarization with subwavelength spatial resolution and high transmission. <i>Nature Nanotechnology</i> , 2015, 10, 937-943.	15.6	2,009
2	Subwavelength-thick lenses with high numerical apertures and large efficiency based on high-contrast transmitarrays. <i>Nature Communications</i> , 2015, 6, 7069.	5.8	848
3	MEMS-tunable dielectric metasurface lens. <i>Nature Communications</i> , 2018, 9, 812.	5.8	527
4	Miniature optical planar camera based on a wide-angle metasurface doublet corrected for monochromatic aberrations. <i>Nature Communications</i> , 2016, 7, 13682.	5.8	460
5	Multiwavelength polarization-insensitive lenses based on dielectric metasurfaces with meta-molecules. <i>Optica</i> , 2016, 3, 628.	4.8	371
6	Planar metasurface retroreflector. <i>Nature Photonics</i> , 2017, 11, 415-420.	15.6	339
7	Highly tunable elastic dielectric metasurface lenses. <i>Laser and Photonics Reviews</i> , 2016, 10, 1002-1008.	4.4	283
8	Controlling the sign of chromatic dispersion in diffractive optics with dielectric metasurfaces. <i>Optica</i> , 2017, 4, 625.	4.8	259
9	Decoupling optical function and geometrical form using conformal flexible dielectric metasurfaces. <i>Nature Communications</i> , 2016, 7, 11618.	5.8	215
10	Wavefront shaping with disorder-engineered metasurfaces. <i>Nature Photonics</i> , 2018, 12, 84-90.	15.6	205
11	Multiwavelength metasurfaces through spatial multiplexing. <i>Scientific Reports</i> , 2016, 6, 32803.	1.6	157
12	Angle-Multiplexed Metasurfaces: Encoding Independent Wavefronts in a Single Metasurface under Different Illumination Angles. <i>Physical Review X</i> , 2017, 7, .	2.8	135
13	Efficient dielectric metasurface collimating lenses for mid-infrared quantum cascade lasers. <i>Optics Express</i> , 2015, 23, 33310.	1.7	107
14	Visible Wavelength Color Filters Using Dielectric Subwavelength Gratings for Backside-Illuminated CMOS Image Sensor Technologies. <i>Nano Letters</i> , 2017, 17, 3159-3164.	4.5	101
15	High efficiency double-wavelength dielectric metasurface lenses with dichroic birefringent meta-atoms. <i>Optics Express</i> , 2016, 24, 18468.	1.7	88
16	Two-Photon Microscopy with a Double-Wavelength Metasurface Objective Lens. <i>Nano Letters</i> , 2018, 18, 4943-4948.	4.5	77
17	Wide bandwidth and high resolution planar filter array based on DBR-metasurface-DBR structures. <i>Optics Express</i> , 2016, 24, 11677.	1.7	62
18	High-Speed, Phase-Dominant Spatial Light Modulation with Silicon-Based Active Resonant Antennas. <i>ACS Photonics</i> , 2018, 5, 1711-1717.	3.2	62

#	ARTICLE	IF	CITATIONS
19	Increasing efficiency of high numerical aperture metasurfaces using the grating averaging technique. Scientific Reports, 2020, 10, 7124.	1.6	39
20	Wide-angular-range and high-resolution beam steering by a metasurface-coupled phased array. Optics Letters, 2018, 43, 5255.	1.7	33
21	High resolution on-chip optical filter array based on double subwavelength grating reflectors. Optics Express, 2015, 23, 29848.	1.7	23
22	Fabrication of Single Crystal Gallium Phosphide Thin Films on Glass. Scientific Reports, 2017, 7, 4643.	1.6	20
23	Highly tunable elastic dielectric metasurface lenses (Laser Photonics Rev. 10(6)/2016). Laser and Photonics Reviews, 2016, 10, 1062-1062.	4.4	12
24	Emission wavelength tuning by mechanical stressing of GaAs/Ge/Si microbeams. Optics Express, 2011, 19, 15732.	1.7	7
25	Controlling the Phase Front of Optical Fiber Beams using High Contrast Metastructures. , 2014, , .		6
26	Planar Retroreflector. , 2014, , .		5
27	Dispersionless metasurfaces using dispersive meta-atoms. , 2016, , .		2
28	Flat and conformal optics with dielectric metasurfaces. , 2017, , .		1
29	MEMS-tunable dielectric metasurface lens. , 2018, , .		1
30	Tunable dielectric metasurfaces using elastic substrates. , 2016, , .		1
31	Dielectric metasurface narrowband filter array. , 2016, , .		1
32	Dielectric metasurfaces with independent angular control. , 2017, , .		0
33	Dispersion-controlled diffractive devices with dielectric metasurfaces. , 2017, , .		0
34	Conformal and tunable optical dielectric metasurfaces based on flexible stretchable substrates. , 2016, , .		0