

Hang Li

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,824
citations

430874

18
h-index

330143

37
g-index

46
all docs

46
docs citations

46
times ranked

1446
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Convolutional Neural Networks to Predict Mutual Coupling Effects in Metasurfaces. <i>Advanced Optical Materials</i> , 2022, 10, 2102113.	7.3	28
2	Understanding wide field-of-view metalenses. , 2022, , .		0
3	Spatial coherence filtering of normal incidence light through leaky mode engineering. <i>AIP Advances</i> , 2022, 12, 035033.	1.3	0
4	Four-Channel Kaleidoscopic Metasurfaces Enabled by a Single-Layered Single-Cell Quad-Band Meta-Atom. <i>Advanced Theory and Simulations</i> , 2022, 5, .	2.8	4
5	High-Efficiency Full-Space Complex-Amplitude Metasurfaces Enabled by a Bi-Spectral Single-Substrate-Layer Meta-Atom. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	15
6	Deep neural network enabled active metasurface embedded design. <i>Nanophotonics</i> , 2022, 11, 4149-4158.	6.0	18
7	Multi-Level Electro-Thermal Switching of Optical Phase-Change Materials Using Graphene. <i>Advanced Photonics Research</i> , 2021, 2, 2000034.	3.6	75
8	Novel balanced single/dual-band bandpass filters based on a circular patch resonator. <i>IET Microwaves, Antennas and Propagation</i> , 2021, 15, 206-220.	1.4	3
9	Multifunctional Metasurface Design with a Generative Adversarial Network. <i>Advanced Optical Materials</i> , 2021, 9, 2001433.	7.3	78
10	Reconfigurable all-dielectric metalens with diffraction-limited performance. <i>Nature Communications</i> , 2021, 12, 1225.	12.8	221
11	Multifunctional Metasurface Design with a Generative Adversarial Network (Advanced Optical) Tj ETQq1 1 0.784314.rgBT /Overlock 10	7.3	1
12	Electrically reconfigurable non-volatile metasurface using low-loss optical phase-change material. <i>Nature Nanotechnology</i> , 2021, 16, 661-666.	31.5	298
13	Multichannel High-Efficiency Metasurfaces Based on Tri-Band Single-Cell Meta-Atoms with Independent Complex-Amplitude Modulations. <i>Advanced Photonics Research</i> , 2021, 2, 2100088.	3.6	6
14	A Deep Learning Approach to Explore the Mutual Coupling Effects in Metasurfaces. , 2021, , .		1
15	Wide Field-of-view Achromatic Metalenses. , 2021, , .		1
16	Design of broadband and wide field-of-view metalenses. <i>Optics Letters</i> , 2021, 46, 5735-5738.	3.3	18
17	A Deep Neural Network Near-Universal Dielectric Meta-Atom Generator. , 2021, , .		0
18	Frequency-Multiplexed Complex-Amplitude Meta-Devices Based on Bispectral 2-Bit Coding Meta-Atoms. <i>Advanced Optical Materials</i> , 2020, 8, 2000919.	7.3	27

#	ARTICLE	IF	CITATIONS
19	Multifunctional Geometric Metasurfaces Based on Tri-Color Spectral Meta-Atoms with Completely Independent Phase Modulations at Three Wavelengths. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000099.	2.8	13
20	Single-Element Diffraction-Limited Fisheye Metalens. <i>Nano Letters</i> , 2020, 20, 7429-7437.	9.1	104
21	Alleviating Orbital-Angular-Momentum-Mode Dispersion Using a Reflective Metasurface. <i>Physical Review Applied</i> , 2020, 13, .	3.8	12
22	A compact triple-mode bandpass filter based on isosceles right-angled triangular resonator. <i>Microwave and Optical Technology Letters</i> , 2020, 62, 2473-2479.	1.4	8
23	Adaptive optical beam steering and tuning system based on electrowetting driven fluidic rotor. <i>Communications Physics</i> , 2020, 3, .	5.3	6
24	Generation of over 1000 Diffraction Spots from 2D Graded Photonic Super-Crystals. <i>Photonics</i> , 2020, 7, 27.	2.0	4
25	Deep learning modeling approach for metasurfaces with high degrees of freedom. <i>Optics Express</i> , 2020, 28, 31932.	3.4	73
26	Design for quality: reconfigurable flat optics based on active metasurfaces. <i>Nanophotonics</i> , 2020, 9, 3505-3534.	6.0	87
27	High-Efficiency Ultrathin Dual-Wavelength Pancharatnam-Berry Metasurfaces with Complete Independent Phase Control. <i>Advanced Optical Materials</i> , 2019, 7, 1900594.	7.3	67
28	A High Performance Terahertz Metalens. , 2019, , .		1
29	Mutual Coupling Reduction of Closely <i>E</i> / <i>H</i> -Plane Coupled Antennas Through Metasurfaces. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 1996-2000.	4.0	38
30	Dual-Band Terahertz Auto-Focusing Airy Beam Based on Single-Layer Geometric Metasurfaces with Independent Complex Amplitude Modulation at Each Wavelength. <i>Advanced Theory and Simulations</i> , 2019, 2, 1900071.	2.8	23
31	Dual-Band High Efficiency Terahertz Meta-Devices Based on Reflective Geometric Metasurfaces. <i>IEEE Access</i> , 2019, 7, 58131-58138.	4.2	22
32	Single-layer transmissive metasurface for generating OAM vortex wave with homogeneous radiation based on the principle of Fabry-Perot cavity. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	27
33	A Deep Learning Approach for Objective-Driven All-Dielectric Metasurface Design. <i>ACS Photonics</i> , 2019, 6, 3196-3207.	6.6	212
34	Ultra-thin high-efficiency mid-infrared transmissive Huygens meta-optics. <i>Nature Communications</i> , 2018, 9, 1481.	12.8	126
35	Sandwiched PRS Fabry-Perot Structure for Achieving Compactness and Improved Aperture Efficiency. , 2018, , .		1
36	Ultra-thin, high-efficiency mid-infrared Huygens metasurface optics. , 2018, , .		1

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37	A Triple-Mode Bandpass Filter With Controllable Bandwidth Using QMSIW Cavity. IEEE Microwave and Wireless Components Letters, 2018, 28, 654-656.	3.2	39
38	Miniaturized dual-band filter using triple-folded substrate-integrated waveguide resonators. Microwave and Optical Technology Letters, 2018, 60, 2038-2043.	1.4	2
39	Angular-dependent photodetection enhancement by a metallic circular disk optical antenna. AIP Advances, 2017, 7, .	1.3	5
40	Multiwavelength Metasurfaces Based on Single-Layer Dual-Wavelength Meta-Atoms: Toward Complete Phase and Amplitude Modulations at Two Wavelengths. Advanced Optical Materials, 2017, 5, 1700079.	7.3	103
41	An ultra-slow-wave transmission line on CMOS technology. Microwave and Optical Technology Letters, 2017, 59, 604-606.	1.4	3
42	Electrically tunable diffraction efficiency from gratings in Al-doped ZnO. Applied Physics Letters, 2017, 110, .	3.3	13
43	A Wideband Dual-Polarized L-Probe Antenna Array with Hollow Structure and Modified Ground Plane for Isolation Enhancement. IEEE Antennas and Wireless Propagation Letters, 2017, , 1-1.	4.0	17
44	A novel dual-band bandpass filter using a single perturbed substrate integrated waveguide cavity. , 2017, , .		16
45	A Microwave Direction of Arrival Estimation Technique Using a Single Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 3189-3195.	5.1	5