

Broadband achromatic optical metasurface devices

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Metalenses: Versatile multifunctional photonic components. <i>Science</i> , 2017, 358, .	6.0	671
2	GaN Metalens for Pixel-Level Full-Color Routing at Visible Light. <i>Nano Letters</i> , 2017, 17, 6345-6352.	4.5	312
3	Graphene Surface Plasmons With Dielectric Metasurfaces. <i>Journal of Lightwave Technology</i> , 2017, 35, 4553-4558.	2.7	88
4	Metasurface optical holography. <i>Materials Today Physics</i> , 2017, 3, 16-32.	2.9	104
5	Wide-Band and High-Efficiency 90° Polarization Rotator Based on Tri-Layered Perforated Metal Films. <i>Journal of Lightwave Technology</i> , 2017, 35, 4817-4823.	2.7	15
6	Multi-wavelength lenses for terahertz surface wave. <i>Optics Express</i> , 2017, 25, 24872.	1.7	7
7	Nanoapertures with ordered rotations: symmetry transformation and wide-angle flat lensing. <i>Optics Express</i> , 2017, 25, 31471.	1.7	114
8	MEMS-tunable dielectric metasurface lens. <i>Nature Communications</i> , 2018, 9, 812.	5.8	527
9	Dual-Wavelength Carpet Cloak Using Ultrathin Metasurface. <i>Advanced Optical Materials</i> , 2018, 6, 1800073.	3.6	55
10	Integrated Resonant Unit of Metasurfaces for Broadband Efficiency and Phase Manipulation. <i>Advanced Optical Materials</i> , 2018, 6, 1800031.	3.6	63
11	Polarization Encoded Color Image Embedded in a Dielectric Metasurface. <i>Advanced Materials</i> , 2018, 30, e1707499.	11.1	198
12	Subwavelength Optical Engineering with Metasurface Waves. <i>Advanced Optical Materials</i> , 2018, 6, 1701201.	3.6	148
13	Achromatic metasurface lens at visible wavelengths. <i>Science Bulletin</i> , 2018, 63, 333-335.	4.3	5
14	A broadband achromatic metalens in the visible. <i>Nature Nanotechnology</i> , 2018, 13, 227-232.	15.6	1,146
15	Plasmonic Metasurfaces for Simultaneous Thermal Infrared Invisibility and Holographic Illusion. <i>Advanced Functional Materials</i> , 2018, 28, 1706673.	7.8	151
16	Highly Efficient Wave-Front Reshaping of Surface Waves with Dielectric Metawalls. <i>Physical Review Applied</i> , 2018, 9, .	1.5	18
17	Functional metasurfaces based on metallic and dielectric subwavelength slits and stripes array. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 144003.	0.7	11
18	A broadband achromatic metalens for focusing and imaging in the visible. <i>Nature Nanotechnology</i> , 2018, 13, 220-226.	15.6	1,190

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19	Dispersion engineering in metamaterials and metasurfaces. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 054002.	1.3	20
20	Metasurface for multi-channel terahertz beam splitters and polarization rotators. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	56
21	Metasurface holography: from fundamentals to applications. <i>Nanophotonics</i> , 2018, 7, 1169-1190.	2.9	296
22	Diatomic Metasurface for Vectorial Holography. <i>Nano Letters</i> , 2018, 18, 2885-2892.	4.5	263
23	Reconfigurable Metasurface Cloak for Dynamical Electromagnetic Illusions. <i>ACS Photonics</i> , 2018, 5, 1718-1725.	3.2	110
24	Multifunctional Metamirror: Polarization Splitting and Focusing. <i>ACS Photonics</i> , 2018, 5, 1648-1653.	3.2	88
25	Broadband Photonic Spin Hall Meta-Lens. <i>ACS Nano</i> , 2018, 12, 82-88.	7.3	79
26	Visible Metasurfaces for On-Chip Polarimetry. <i>ACS Photonics</i> , 2018, 5, 2568-2573.	3.2	114
27	Flexible Broadband Achromatic Microwave Metalens Design Using Polynomial Fitting Method. , 2018, , .		0
28	Helicity-Induced Multifunctional Devices Based on Hybrid Metasurfaces. , 2018, , .		0
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31	A high numerical aperture, polarization-insensitive metalens for long-wavelength infrared imaging. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	58
32	Feasibility Analysis of Nanostructured Planar Focusing Collectors for Concentrating Solar Power Applications. <i>ACS Applied Energy Materials</i> , 2018, 1, 6927-6935.	2.5	4
33	Combining Frequency-Selective Scattering and Specular Reflection Through Phase-Dispersion Tailoring of a Metasurface. <i>Physical Review Applied</i> , 2018, 10, .	1.5	41
34	Dielectric Metasurface-Based High-Efficiency Mid-Infrared Optical Filter. <i>Nanomaterials</i> , 2018, 8, 938.	1.9	35
35	Design of aluminum nitride metalens for broadband ultraviolet incidence routing. <i>Nanophotonics</i> , 2018, 8, 171-180.	2.9	49
36	Special Issue on "Metasurfaces: Physics and Applications". <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1727.	1.3	2

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39	Generalized Hartmann-Shack array of dielectric metalens sub-arrays for polarimetric beam profiling. Nature Communications, 2018, 9, 4607.	5.8	129
40	Facile metagrating holograms with broadband and extreme angle tolerance. Light: Science and Applications, 2018, 7, 78.	7.7	134
41	Diodelike Spin-Orbit Interactions of Light in Chiral Metasurfaces. IEEE Transactions on Antennas and Propagation, 2018, 66, 7148-7155.	3.1	23
42	Invited Article: Nano-kirigami metasurfaces by focused-ion-beam induced close-loop transformation. APL Photonics, 2018, 3, .	3.0	31
43	Direct Characterization of Near-Field Coupling in Gap Plasmon-Based Metasurfaces. Nano Letters, 2018, 18, 6265-6270.	4.5	31
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45	Recent advances on optical vortex generation. Nanophotonics, 2018, 7, 1533-1556.	2.9	238
46	A review of dielectric optical metasurfaces for wavefront control. Nanophotonics, 2018, 7, 1041-1068.	2.9	473
47	A review of gap-surface plasmon metasurfaces: fundamentals and applications. Nanophotonics, 2018, 7, 1129-1156.	2.9	250
48	Geometric Metasurfaces for Ultrathin Optical Devices. Advanced Optical Materials, 2018, 6, 1800348.	3.6	58
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57	Theory of microscopic meta-surface waves based on catenary optical fields and dispersion. Optics Express, 2018, 26, 19555.	1.7	61
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60	Advances in optical metasurfaces: fabrication and applications [Invited]. Optics Express, 2018, 26, 13148.	1.7	235
61	Metasurfaces for broadband dispersion engineering through custom-tailored multi-resonances. Applied Physics Express, 2018, 11, 082004.	1.1	9
62	High-Efficiency Metasurfaces: Principles, Realizations, and Applications. Advanced Optical Materials, 2018, 6, 1800415.	3.6	250
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64	Dielectric meta-walls for surface plasmon focusing and Bessel beam generation. Europhysics Letters, 2018, 122, 67002.	0.7	8
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75	Multifunctional Metamirrors for Broadband Focused Vector Beam Generation. <i>Advanced Optical Materials</i> , 2019, 7, 1900724.	3.6	31
76	Optical meta-devices: advances and applications. <i>Japanese Journal of Applied Physics</i> , 2019, 58, SK0801.	0.8	23
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94	Spin-Decoupled Multifunctional Metasurface for Asymmetric Polarization Generation. <i>ACS Photonics</i> , 2019, 6, 2933-2941.	3.2	74
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97	Chiral Metalens of Circular Polarization Dichroism with Helical Surface Arrays in Mid-Infrared Region. <i>Advanced Optical Materials</i> , 2019, 7, 1901129.	3.6	20
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129	An Etching-Free Approach Toward Large-Scale Light-Emitting Metasurfaces. <i>Advanced Optical Materials</i> , 2019, 7, 1801271.	3.6	37
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146	Chromatic Dispersion Manipulation Based on Metalenses. <i>Advanced Materials</i> , 2020, 32, e1904935.	11.1	46
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165	Simultaneous Achromatic and Varifocal Imaging with Quartic Metasurfaces in the Visible. <i>ACS Photonics</i> , 2020, 7, 120-127.	3.2	32
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169	Squeezing a Prism into a Surface: Emulating Bulk Optics with Achromatic Metasurfaces. <i>Advanced Optical Materials</i> , 2020, 8, 2000942.	3.6	17
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171	Continuous scattering angle control of transmission terahertz wave by convolution manipulation of all-dielectric encoding metasurfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	4
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