

Cheng Hung Chu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

2,387
citations

19
h-index

46
g-index

46
ext. papers

3,124
ext. citations

9.4
avg, IF

5.11
L-index

#	Paper	IF	Citations
32	Broadband achromatic optical metasurface devices. <i>Nature Communications</i> , 2017 , 8, 187	17.4	461
31	Fundamentals and Applications of Metasurfaces. <i>Small Methods</i> , 2017 , 1, 1600064	12.8	303
30	Versatile Polarization Generation with an Aluminum Plasmonic Metasurface. <i>Nano Letters</i> , 2017 , 17, 4454-4457	11.5	220
29	Active dielectric metasurface based on phase-change medium. <i>Laser and Photonics Reviews</i> , 2016 , 10, 986-994	8.3	220
28	Achromatic metalens array for full-colour light-field imaging. <i>Nature Nanotechnology</i> , 2019 , 14, 227-231	28.7	219
27	GaN Metalens for Pixel-Level Full-Color Routing at Visible Light. <i>Nano Letters</i> , 2017 , 17, 6345-6352	11.5	197
26	Advances in optical metasurfaces: fabrication and applications [Invited]. <i>Optics Express</i> , 2018 , 26, 13148-13182	13.182	139
25	Metalens-array-based high-dimensional and multiphoton quantum source. <i>Science</i> , 2020 , 368, 1487-1490	33.3	89
24	Metalenses: Advances and Applications. <i>Advanced Optical Materials</i> , 2018 , 6, 1800554	8.1	82
23	Laser-induced phase transitions of Ge ₂ Sb ₂ Te ₅ thin films used in optical and electronic data storage and in thermal lithography. <i>Optics Express</i> , 2010 , 18, 18383-93	3.3	78
22	Fast fabrication of a Ag nanostructure substrate using the femtosecond laser for broad-band and tunable plasmonic enhancement. <i>ACS Nano</i> , 2012 , 6, 5190-7	16.7	58
21	Fabrication of phase-change chalcogenide Ge ₂ Sb ₂ Te ₅ patterns by laser-induced forward transfer. <i>Optics Express</i> , 2011 , 19, 16975-84	3.3	46
20	Fabrication of multilayer metamaterials by femtosecond laser-induced forward-transfer technique. <i>Laser and Photonics Reviews</i> , 2012 , 6, 702-707	8.3	40
19	Local electrical characterization of laser-recorded phase-change marks on amorphous Ge ₂ Sb ₂ Te ₅ thin films. <i>Optics Express</i> , 2011 , 19, 9492-504	3.3	36
18	Stress-Induced 3D Chiral Fractal Metasurface for Enhanced and Stabilized Broadband Near-Field Optical Chirality. <i>Advanced Optical Materials</i> , 2019 , 7, 1900617	8.1	28
17	Transferring the bendable substrateless GaN LED grown on a thin C-rich SiC buffer layer to flexible dielectric and metallic plates. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 607-617	7.1	25
16	Three-dimensional plasmonic micro projector for light manipulation. <i>Advanced Materials</i> , 2013 , 25, 1118-23	23	25

15	Ultrathin Planar Cavity Metasurfaces. <i>Small</i> , 2018 , 14, e1703920	11	24
14	Fabrication of phase-change Ge ₂ Sb ₂ Te ₅ nano-rings. <i>Optics Express</i> , 2011 , 19, 12652-7	3.3	21
13	Varifocal Metalens for Optical Sectioning Fluorescence Microscopy. <i>Nano Letters</i> , 2021 , 21, 5133-5142	11.5	19
12	Optical meta-devices: advances and applications. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, SK0801	1.4	12
11	Fabrication of plasmonic devices using femtosecond laser-induced forward transfer technique. <i>Nanotechnology</i> , 2012 , 23, 444013	3.4	12
10	Active dielectric metasurface based on phase-change medium (Laser Photonics Rev. 10(6)/2016). <i>Laser and Photonics Reviews</i> , 2016 , 10, 1063-1063	8.3	9
9	Light Manipulation by Gold Nanobumps. <i>Plasmonics</i> , 2012 , 7, 563-569	2.4	9
8	Imaging of Recording Marks and Their Jitters With Different Writing Strategy and Terminal Resistance of Optical Output. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 2221-2223	2	6
7	Metalens for structure light 2018 ,		2
6	Vacuum ultraviolet nonlinear metalens.. <i>Science Advances</i> , 2022 , 8, eabn5644	14.3	2
5	Cubic-Phase Metasurface for Three-Dimensional Optical Manipulation. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
4	Meta-lens light-sheet fluorescence microscopy for in vivo imaging. <i>Nanophotonics</i> , 2022 ,	6.3	1
3	Metasurface-Based Abrupt Autofocusing Beam for Biomedical Applications.. <i>Small Methods</i> , 2022 , e2101228	12.8	0
2	Meta-Lens in the Sky. <i>IEEE Access</i> , 2022 , 10, 46552-46557	3.5	0
1	AgO x Thin Film for Surface-Enhanced Raman Spectroscopy 2017 , 203-210		