

Pin Chieh Wu

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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.

72
papers

5,247
citations

35
h-index

72
g-index

96
ext. papers

6,505
ext. citations

8.8
avg, IF

5.64
L-index

#	Paper	IF	Citations
72	A broadband achromatic metalens in the visible. <i>Nature Nanotechnology</i> , 2018 , 13, 227-232	28.7	723
71	Broadband achromatic optical metasurface devices. <i>Nature Communications</i> , 2017 , 8, 187	17.4	461
70	Aluminum plasmonic multicolor meta-hologram. <i>Nano Letters</i> , 2015 , 15, 3122-7	11.5	373
69	Plasmon inducing effects for enhanced photoelectrochemical water splitting: X-ray absorption approach to electronic structures. <i>ACS Nano</i> , 2012 , 6, 7362-72	16.7	283
68	Versatile Polarization Generation with an Aluminum Plasmonic Metasurface. <i>Nano Letters</i> , 2017 , 17, 4451-452	11.5	220
67	Plasmonic Photocatalyst for H ₂ Evolution in Photocatalytic Water Splitting. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 210-216	3.8	220
66	Active dielectric metasurface based on phase-change medium. <i>Laser and Photonics Reviews</i> , 2016 , 10, 986-994	8.3	220
65	Achromatic metalens array for full-colour light-field imaging. <i>Nature Nanotechnology</i> , 2019 , 14, 227-231	28.7	219
64	GaN Metalens for Pixel-Level Full-Color Routing at Visible Light. <i>Nano Letters</i> , 2017 , 17, 6345-6352	11.5	197
63	Optical Anapole Metamaterial. <i>ACS Nano</i> , 2018 , 12, 1920-1927	16.7	142
62	Design of plasmonic toroidal metamaterials at optical frequencies. <i>Optics Express</i> , 2012 , 20, 1760-8	3.3	137
61	Broadband Wide-Angle Multifunctional Polarization Converter via Liquid-Metal-Based Metasurface. <i>Advanced Optical Materials</i> , 2017 , 5, 1600938	8.1	123
60	Phase Modulation with Electrically Tunable Vanadium Dioxide Phase-Change Metasurfaces. <i>Nano Letters</i> , 2019 , 19, 3961-3968	11.5	105
59	Toroidal lasing spaser. <i>Scientific Reports</i> , 2013 , 3, 1237	4.9	99
58	Electro-optically Tunable Multifunctional Metasurfaces. <i>ACS Nano</i> , 2020 , 14, 6912-6920	16.7	96
57	A flat lens with tunable phase gradient by using random access reconfigurable metamaterial. <i>Advanced Materials</i> , 2015 , 27, 4739-43	24	92
56	Improved Photocatalytic Activity of Shell-Isolated Plasmonic Photocatalyst [email[protected]] ₂ /TiO ₂ by Promoted LSPR. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 26535-26542	3.8	87

55	Dynamic beam steering with all-dielectric electro-optic III-V multiple-quantum-well metasurfaces. <i>Nature Communications</i> , 2019 , 10, 3654	17.4	80
54	Optical magnetic response in three-dimensional metamaterial of upright plasmonic meta-molecules. <i>Optics Express</i> , 2011 , 19, 12837-42	3.3	77
53	Water-Resonator-Based Metasurface: An Ultrabroadband and Near-Unity Absorption. <i>Advanced Optical Materials</i> , 2017 , 5, 1601103	8.1	76
52	Plasmonic ZnO/Ag embedded structures as collecting layers for photogenerating electrons in solar hydrogen generation photoelectrodes. <i>Small</i> , 2013 , 9, 2926-36	11	72
51	Visible Metasurfaces for On-Chip Polarimetry. <i>ACS Photonics</i> , 2018 , 5, 2568-2573	6.3	72
50	Self-Affine Graphene Metasurfaces for Tunable Broadband Absorption. <i>Physical Review Applied</i> , 2016 , 6,	4.3	64
49	Vertical split-ring resonator based nanoplasmonic sensor. <i>Applied Physics Letters</i> , 2014 , 105, 033105	3.4	64
48	Magnetic plasmon induced transparency in three-dimensional metamolecules. <i>Nanophotonics</i> , 2012 , 1, 131-138	6.3	57
47	Plasmon-induced hyperthermia: hybrid upconversion NaYF:Yb/Er and gold nanomaterials for oral cancer photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8293-8302	7.3	55
46	Isotropic Absorption and Sensor of Vertical Split-Ring Resonator. <i>Advanced Optical Materials</i> , 2017 , 5, 1600581	8.1	55
45	Plasmon coupling in vertical split-ring resonator metamolecules. <i>Scientific Reports</i> , 2015 , 5, 9726	4.9	53
44	Photonic crystal fiber metalens. <i>Nanophotonics</i> , 2019 , 8, 443-449	6.3	45
43	Fabrication of three dimensional split ring resonators by stress-driven assembly method. <i>Optics Express</i> , 2012 , 20, 9415-20	3.3	45
42	Integrated Resonant Unit of Metasurfaces for Broadband Efficiency and Phase Manipulation. <i>Advanced Optical Materials</i> , 2018 , 6, 1800031	8.1	41
41	Vertical split-ring resonator based anomalous beam steering with high extinction ratio. <i>Scientific Reports</i> , 2015 , 5, 11226	4.9	40
40	Fabrication of multilayer metamaterials by femtosecond laser-induced forward-transfer technique. <i>Laser and Photonics Reviews</i> , 2012 , 6, 702-707	8.3	40
39	Comparative Analysis of Metals and Alternative Infrared Plasmonic Materials. <i>ACS Photonics</i> , 2018 , 5, 2541-2548	6.3	38
38	Tunable plasmonic resonance arising from broken-symmetric silver nanobeads with dielectric cores. <i>Journal of Optics (United Kingdom)</i> , 2012 , 14, 114010	1.7	37

37	Electromagnetic energy vortex associated with sub-wavelength plasmonic Taiji marks. <i>Optics Express</i> , 2010 , 18, 19665-71	3.3	35
36	Multi-level surface enhanced Raman scattering using AgOx thin film. <i>Optics Express</i> , 2013 , 21, 24460-7	3.3	33
35	Ag-Si artificial microflowers for plasmon-enhanced solar water splitting. <i>Chemical Communications</i> , 2015 , 51, 549-52	5.8	30
34	Adaptable metasurface for dynamic anomalous reflection. <i>Applied Physics Letters</i> , 2017 , 110, 201904	3.4	29
33	Liquid-metal-based metasurface for terahertz absorption material: Frequency-agile and wide-angle. <i>APL Materials</i> , 2017 , 5, 066103	5.7	29
32	Second Harmonic Light Manipulation with Vertical Split Ring Resonators. <i>Advanced Materials</i> , 2019 , 31, e1806479	24	26
31	Twisted Surface Plasmons with Spin-Controlled Gold Surfaces. <i>Advanced Optical Materials</i> , 2019 , 7, 1801860	18.6	25
30	Ultrathin Planar Cavity Metasurfaces. <i>Small</i> , 2018 , 14, e1703920	11	24
29	Manipulation of multidimensional plasmonic spectra for information storage. <i>Applied Physics Letters</i> , 2011 , 98, 171106	3.4	20
28	Fabrication of three-dimensional plasmonic cavity by femtosecond laser-induced forward transfer. <i>Optics Express</i> , 2013 , 21, 618-25	3.3	19
27	Broadband decoupling of intensity and polarization with vectorial Fourier metasurfaces. <i>Nature Communications</i> , 2021 , 12, 3631	17.4	19
26	Coherent selection of invisible high-order electromagnetic excitations. <i>Scientific Reports</i> , 2017 , 7, 44488	4.9	18
25	Split Archimedean spiral metasurface for controllable GHz asymmetric transmission. <i>Applied Physics Letters</i> , 2019 , 114, 151105	3.4	18
24	Extraordinary Multipole Modes and Ultra-Enhanced Optical Lateral Force by Chirality. <i>Physical Review Letters</i> , 2020 , 125, 043901	7.4	15
23	Enhanced sensitivity of surface plasmon resonance phase-interrogation biosensor by using oblique deposited silver nanorods. <i>Nanoscale Research Letters</i> , 2014 , 9, 476	5	14
22	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
21	Near-Infrared Active Metasurface for Dynamic Polarization Conversion. <i>Advanced Optical Materials</i> , 2021 , 9, 2100230	8.1	9
20	Automatic Inverse Design of High-Performance Beam-Steering Metasurfaces via Genetic-type Tree Optimization. <i>Nano Letters</i> , 2021 , 21, 4981-4989	11.5	8

19	Electrically Tunable and Dramatically Enhanced Valley-Polarized Emission of Monolayer WS at Room Temperature with Plasmonic Archimedes Spiral Nanostructures. <i>Advanced Materials</i> , 2021 , e2104863	24.63	7
18	Optical Resonator Enhanced Photovoltaics and Photocatalysis: Fundamental and Recent Progress. <i>Laser and Photonics Reviews</i> , 2022 , 16, 2100202	8.3	6
17	Three-dimensional metamaterials: from split ring resonator to toroidal metamolecule 2014 ,		5
16	Material-assisted metamaterial: a new dimension to create functional metamaterial. <i>Scientific Reports</i> , 2017 , 7, 42076	4.9	4
15	Topological Encoded Vector Beams for Monitoring Amyloid-Lipid Interactions in Microcavity. <i>Advanced Science</i> , 2021 , 8, 2100096	13.6	4
14	A Toroidal-Fano-Resonant Metasurface with Optimal Cross-Polarization Efficiency and Switchable Nonlinearity in the Near-Infrared. <i>Advanced Optical Materials</i> , 2021 , 9, 2101007	8.1	4
13	Multifunctional Virus Manipulation with Large-Scale Arrays of All-Dielectric Resonant Nanocavities. <i>Laser and Photonics Reviews</i> , 2100197	8.3	4
12	Optical toroidal response in three-dimensional plasmonic metamaterial 2015 ,		3
11	Dynamic metasurface for broadband electromagnetic modulator in reflection 2016 ,		3
10	Integrated-Resonant Units: Integrated Resonant Unit of Metasurfaces for Broadband Efficiency and Phase Manipulation (Advanced Optical Materials 12/2018). <i>Advanced Optical Materials</i> , 2018 , 6, 1870047	8.1	2
9	Manipulation of spectral amplitude and phase with plasmonic nano-structures for information storage. <i>Frontiers of Optoelectronics</i> , 2014 , 7, 437-442	2.8	2
8	Photonic crystal fiber metalens enabled by geometric phase optical metasurfaces 2018 ,		2
7	Microfluidic Metasurfaces: Broadband Wide-Angle Multifunctional Polarization Converter via Liquid-Metal-Based Metasurface (Advanced Optical Materials 7/2017). <i>Advanced Optical Materials</i> , 2017 , 5,	8.1	1
6	Vertical split-ring resonators for plasmon coupling, sensing and metasurface 2015 ,		1
5	Tunable metamaterials for terahertz ultra-broadband absorption driven by microfluidics 2016 ,		1
4	Toroidal-Assisted Generalized Huygens Sources for Highly Transmissive Plasmonic Metasurfaces. <i>Laser and Photonics Reviews</i> , 2100525	8.3	1
3	Direct Imaging of Weak-to-Strong-Coupling Dynamics in Biological Plasmon Exciton Systems. <i>Laser and Photonics Reviews</i> , 2200016	8.3	1
2	Enhanced photoluminescence and shortened lifetime of DCJTb by photoinduced metal deposition on a ferroelectric lithography substrate.. <i>Scientific Reports</i> , 2022 , 12, 6173	4.9	0

- 1 Hydrogen Generation: Plasmonic ZnO/Ag Embedded Structures as Collecting Layers for Photogenerating Electrons in Solar Hydrogen Generation Photoelectrodes (Small 17/2013). *Small*, **2013**, 9, 2830-2830 11