

# Wei Ting Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

12,950  
citations

61984

43  
h-index

144013

57  
g-index

84  
all docs

84  
docs citations

84  
times ranked

6639  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metalenses at visible wavelengths: Diffraction-limited focusing and subwavelength resolution imaging. <i>Science</i> , 2016, 352, 1190-1194.	12.6	2,435
2	A broadband achromatic metalens for focusing and imaging in the visible. <i>Nature Nanotechnology</i> , 2018, 13, 220-226.	31.5	1,190
3	High-Efficiency Broadband Anomalous Reflection by Gradient Meta-Surfaces. <i>Nano Letters</i> , 2012, 12, 6223-6229.	9.1	1,120
4	High-Efficiency Broadband Meta-Hologram with Polarization-Controlled Dual Images. <i>Nano Letters</i> , 2014, 14, 225-230.	9.1	655
5	Polarization-Insensitive Metalenses at Visible Wavelengths. <i>Nano Letters</i> , 2016, 16, 7229-7234.	9.1	532
6	Aluminum Plasmonic Multicolor Meta-Hologram. <i>Nano Letters</i> , 2015, 15, 3122-3127.	9.1	483
7	Matrix Fourier optics enables a compact full-Stokes polarization camera. <i>Science</i> , 2019, 365, .	12.6	471
8	Achromatic Metalens over 60 nm Bandwidth in the Visible and Metalens with Reverse Chromatic Dispersion. <i>Nano Letters</i> , 2017, 17, 1819-1824.	9.1	453
9	Broadband high-efficiency dielectric metasurfaces for the visible spectrum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10473-10478.	7.1	417
10	Flat optics with dispersion-engineered metasurfaces. <i>Nature Reviews Materials</i> , 2020, 5, 604-620.	48.7	411
11	Multispectral Chiral Imaging with a Metalens. <i>Nano Letters</i> , 2016, 16, 4595-4600.	9.1	360
12	Meta-Lens Doublet in the Visible Region. <i>Nano Letters</i> , 2017, 17, 4902-4907.	9.1	328
13	Versatile Polarization Generation with an Aluminum Plasmonic Metasurface. <i>Nano Letters</i> , 2017, 17, 445-452.	9.1	318
14	A broadband achromatic polarization-insensitive metalens consisting of anisotropic nanostructures. <i>Nature Communications</i> , 2019, 10, 355.	12.8	297
15	Giant intrinsic chiro-optical activity in planar dielectric nanostructures. <i>Light: Science and Applications</i> , 2018, 7, 17158-17158.	16.6	234
16	Optical Anapole Metamaterial. <i>ACS Nano</i> , 2018, 12, 1920-1927.	14.6	216
17	Generation of wavelength-independent subwavelength Bessel beams using metasurfaces. <i>Light: Science and Applications</i> , 2017, 6, e16259-e16259.	16.6	213
18	Super-Dispersive Off-Axis Meta-Lenses for Compact High Resolution Spectroscopy. <i>Nano Letters</i> , 2016, 16, 3732-3737.	9.1	179

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19	Single-Layer Metasurface with Controllable Multiwavelength Functions. Nano Letters, 2018, 18, 2420-2427.	9.1	165
20	All-Glass, Large Metalens at Visible Wavelength Using Deep-Ultraviolet Projection Lithography. Nano Letters, 2019, 19, 8673-8682.	9.1	165
21	Immersion Meta-Lenses at Visible Wavelengths for Nanoscale Imaging. Nano Letters, 2017, 17, 3188-3194.	9.1	155
22	Design of plasmonic toroidal metamaterials at optical frequencies. Optics Express, 2012, 20, 1760.	3.4	153
23	Continuous angle-tunable birefringence with freeform metasurfaces for arbitrary polarization conversion. Science Advances, 2020, 6, eaba3367.	10.3	143
24	Meta-optics achieves RGB-achromatic focusing for virtual reality. Science Advances, 2021, 7, .	10.3	142
25	Broadband Achromatic Metasurface-Refractive Optics. Nano Letters, 2018, 18, 7801-7808.	9.1	138
26	Integrated plasmonic metasurfaces for spectropolarimetry. Nanotechnology, 2016, 27, 224002.	2.6	119
27	Toroidal Lasing Spaser. Scientific Reports, 2013, 3, 1237.	3.3	114
28	Optical magnetic response in three-dimensional metamaterial of upright plasmonic meta-molecules. Optics Express, 2011, 19, 12837.	3.4	95
29	Frequency combs induced by phase turbulence. Nature, 2020, 582, 360-364.	27.8	87
30	Vertical split-ring resonator based nanoplasmonic sensor. Applied Physics Letters, 2014, 105, .	3.3	86
31	Dielectric multi-momentum meta-transformer in the visible. Nature Communications, 2019, 10, 4789.	12.8	82
32	Magnetic plasmon induced transparency in three-dimensional metamolecules. Nanophotonics, 2012, 1, 131-138.	6.0	72
33	Plasmon coupling in vertical split-ring resonator metamolecules. Scientific Reports, 2015, 5, 9726.	3.3	71
34	Visible Wavelength Planar Metalenses Based on Titanium Dioxide. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 43-58.	2.9	62
35	Toroidal circular dichroism. Physical Review B, 2016, 94, .	3.2	57
36	Imaging Performance of Polarization-Insensitive Metalenses. ACS Photonics, 2019, 6, 1493-1499.	6.6	57

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37	Fabrication of three dimensional split ring resonators by stress-driven assembly method. Optics Express, 2012, 20, 9415.	3.4	54
38	Tunable plasmonic resonance arising from broken-symmetric silver nanobeads with dielectric cores. Journal of Optics (United Kingdom), 2012, 14, 114010.	2.2	54
39	Electromagnetic energy vortex associated with sub-wavelength plasmonic Taiji marks. Optics Express, 2010, 18, 19665.	3.4	52
40	Fabrication of multilayer metamaterials by femtosecond laser-induced forward transfer technique. Laser and Photonics Reviews, 2012, 6, 702-707.	8.7	52
41	Compact Aberration-Corrected Spectrometers in the Visible Using Dispersion-Tailored Metasurfaces. Advanced Optical Materials, 2019, 7, 1801144.	7.3	52
42	Vertical split-ring resonator based anomalous beam steering with high extinction ratio. Scientific Reports, 2015, 5, 11226.	3.3	51
43	Will flat optics appear in everyday life anytime soon?. Applied Physics Letters, 2021, 118, .	3.3	44
44	Ultrafast Thermal Nonlinearity. Scientific Reports, 2016, 5, 17899.	3.3	43
45	High-Operating-Temperature Direct Ink Writing of Mesoscale Eutectic Architectures. Advanced Materials, 2017, 29, 1604778.	21.0	41
46	A combinatorial approach to metamaterials discovery. Journal of Optics (United Kingdom), 2011, 13, 055102.	2.2	38
47	Sub-wavelength GaN-based membrane high contrast grating reflectors. Optics Express, 2012, 20, 20551.	3.4	38
48	Toward Omnidirectional Light Absorption by Plasmonic Effect for High-Efficiency Flexible Nonvacuum Cu(In,Ga)Se <sub>2</sub> Thin Film Solar Cells. ACS Nano, 2014, 8, 9341-9348.	14.6	30
49	Controlling dispersion in multifunctional metasurfaces. APL Photonics, 2020, 5, .	5.7	26
50	Manipulation of multidimensional plasmonic spectra for information storage. Applied Physics Letters, 2011, 98, .	3.3	25
51	Fabrication of three-dimensional plasmonic cavity by femtosecond laser-induced forward transfer. Optics Express, 2013, 21, 618.	3.4	22
52	Slow light nanocoatings for ultrashort pulse compression. Nature Communications, 2021, 12, 6518.	12.8	12
53	Adjoint-optimized metasurfaces for compact mode-division multiplexing. ACS Photonics, 2022, 9, 929-937.	6.6	11
54	Coherent Raman scattering imaging with a near-infrared achromatic metalens. APL Photonics, 2021, 6, 096107.	5.7	8

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55	Three-dimensional metamaterials: from split ring resonator to toroidal metamolecule. , 2014, , .		6
56	Electric-field-resolved near-infrared microscopy. Optica, 2022, 9, 616.	9.3	5
57	Optical toroidal response in three-dimensional plasmonic metamaterial. , 2015, , .		4
58	Manipulation of spectral amplitude and phase with plasmonic nano-structures for information storage. Frontiers of Optoelectronics, 2014, 7, 437-442.	3.7	3
59	Plasmon coupling in vertical split-ring resonator magnetic metamolecules. , 2015, , .		1
60	Vertical split-ring resonators for plasmon coupling, sensing and metasurface. Proceedings of SPIE, 2015, , .	0.8	1
61	Achromatic Metalens over 60 nm Bandwidth in the Visible. , 2017, , .		1
62	Macro to nanoscale imaging using planar lenses at visible wavelengths. SPIE Newsroom, 0, , .	0.1	1
63	Toroidal and magnetic spectral responses of four split-ring resonators. , 2011, , .		0
64	Tunable light emission in reconfigurable plasmonic metamaterials. , 2013, , .		0
65	Plasmon hybridization in three-dimensional magnetic metamolecules. , 2014, , .		0
66	Metamaterials: From 3D Plasmonic Nanostructure to Reflective Metasurface. , 2014, , .		0
67	Reflective Metasurface and Plasmonic Hologram Application. , 2014, , .		0
68	Polarization controlled colorful images reconstructed by reflective meta-hologram. Proceedings of SPIE, 2014, , .	0.8	0
69	Fabrication and measurement of vertical split-ring resonators for light manipulation and metasurface. , 2015, , .		0
70	Vertical split-ring resonators based plasmon coupling, nanophotonic sensing and light manipulation. , 2015, , .		0
71	Plasmonic Metasurface for Color Hologram. , 2015, , .		0
72	Reflective plasmonic metasurface and metahologram. , 2015, , .		0

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73	Subwavelength resolution imaging by ultra-thin meta-lens. , 2016, , .		0
74	Dispersion engineering of metasurfaces and its applications in the visible. , 2018, , .		0
75	Dispersion Engineered Metasurfaces for Broadband Achromatic Optics. , 2019, , .		0
76	Ultrashort Pulse Compression via Metasurfaces. , 2021, , .		0
77	Metasurface circular polarization splitter. , 2015, , .		0
78	Vertical Split-Ring Resonator based Metasurface for Light Manipulation. , 2016, , .		0
79	Dispersion-tailored Metasurfaces and Meta-lenses. , 2017, , .		0
80	Planar Optics with High Numerical Apertures at Visible Wavelengths. , 2017, , .		0
81	Hybrid metasurface-refractive lenses. , 2019, , .		0
82	Engineering metasurface dispersion for achromatic optics. , 2019, , .		0
83	Multifunctional metasurfaces with tailored dispersion. , 2019, , .		0