

# 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	Adjoint-optimized metasurfaces for compact mode-division multiplexing. ACS Photonics, 2022, 9, 929-937.	6.6	11
2	Electric-field-resolved near-infrared microscopy. Optica, 2022, 9, 616.	9.3	5
3	Will flat optics appear in everyday life anytime soon?. Applied Physics Letters, 2021, 118, .	3.3	44
4	Coherent Raman scattering imaging with a near-infrared achromatic metalens. APL Photonics, 2021, 6, 096107.	5.7	8
5	Ultrashort Pulse Compression via Metasurfaces. , 2021, , .		0
6	Meta-optics achieves RGB-achromatic focusing for virtual reality. Science Advances, 2021, 7, .	10.3	142
7	Slow light nanocoatings for ultrashort pulse compression. Nature Communications, 2021, 12, 6518.	12.8	12
8	Continuous angle-tunable birefringence with freeform metasurfaces for arbitrary polarization conversion. Science Advances, 2020, 6, eaba3367.	10.3	143
9	Frequency combs induced by phase turbulence. Nature, 2020, 582, 360-364.	27.8	87
10	Flat optics with dispersion-engineered metasurfaces. Nature Reviews Materials, 2020, 5, 604-620.	48.7	411
11	Controlling dispersion in multifunctional metasurfaces. APL Photonics, 2020, 5, .	5.7	26
12	Matrix Fourier optics enables a compact full-Stokes polarization camera. Science, 2019, 365, .	12.6	471
13	All-Glass, Large Metalens at Visible Wavelength Using Deep-Ultraviolet Projection Lithography. Nano Letters, 2019, 19, 8673-8682.	9.1	165
14	Dielectric multi-momentum meta-transformer in the visible. Nature Communications, 2019, 10, 4789.	12.8	82
15	A broadband achromatic polarization-insensitive metalens consisting of anisotropic nanostructures. Nature Communications, 2019, 10, 355.	12.8	297
16	Imaging Performance of Polarization-Insensitive Metalenses. ACS Photonics, 2019, 6, 1493-1499.	6.6	57
17	Dispersion Engineered Metasurfaces for Broadband Achromatic Optics. , 2019, , .		0
18	Compact Aberrationâ€”Corrected Spectrometers in the Visible Using Dispersionâ€”Tailored Metasurfaces. Advanced Optical Materials, 2019, 7, 1801144.	7.3	52

#	ARTICLE	IF	CITATIONS
19	Hybrid metasurface-refractive lenses. , 2019, , .		0
20	Engineering metasurface dispersion for achromatic optics. , 2019, , .		0
21	Multifunctional metasurfaces with tailored dispersion. , 2019, , .		0
22	Single-Layer Metasurface with Controllable Multiwavelength Functions. Nano Letters, 2018, 18, 2420-2427.	9.1	165
23	Giant intrinsic chiro-optical activity in planar dielectric nanostructures. Light: Science and Applications, 2018, 7, 17158-17158.	16.6	234
24	Optical Anapole Metamaterial. ACS Nano, 2018, 12, 1920-1927.	14.6	216
25	A broadband achromatic metalens for focusing and imaging in the visible. Nature Nanotechnology, 2018, 13, 220-226.	31.5	1,190
26	Broadband Achromatic Metasurface-Refractive Optics. Nano Letters, 2018, 18, 7801-7808.	9.1	138
27	Dispersion engineering of metasurfaces and its applications in the visible. , 2018, , .		0
28	Achromatic Metalens over 60 nm Bandwidth in the Visible and Metalens with Reverse Chromatic Dispersion. Nano Letters, 2017, 17, 1819-1824.	9.1	453
29	Generation of wavelength-independent subwavelength Bessel beams using metasurfaces. Light: Science and Applications, 2017, 6, e16259-e16259.	16.6	213
30	Immersion Meta-Lenses at Visible Wavelengths for Nanoscale Imaging. Nano Letters, 2017, 17, 3188-3194.	9.1	155
31	Versatile Polarization Generation with an Aluminum Plasmonic Metasurface. Nano Letters, 2017, 17, 445-452.	9.1	318
32	High-Operating-Temperature Direct Ink Writing of Mesoscale Eutectic Architectures. Advanced Materials, 2017, 29, 1604778.	21.0	41
33	Meta-Lens Doublet in the Visible Region. Nano Letters, 2017, 17, 4902-4907.	9.1	328
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	Achromatic Metalens over 60 nm Bandwidth in the Visible. , 2017, , .		1
36	Dispersion-tailored Metasurfaces and Meta-lenses. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
37	Planar Optics with High Numerical Apertures at Visible Wavelengths. , 2017, , .		0
38	Subwavelength resolution imaging by ultra-thin meta-lens. , 2016, , .		0
39	Super-Dispersive Off-Axis Meta-Lenses for Compact High Resolution Spectroscopy. Nano Letters, 2016, 16, 3732-3737.	9.1	179
40	Integrated plasmonic metasurfaces for spectropolarimetry. Nanotechnology, 2016, 27, 224002.	2.6	119
41	Broadband high-efficiency dielectric metasurfaces for the visible spectrum. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10473-10478.	7.1	417
42	Toroidal circular dichroism. Physical Review B, 2016, 94, .	3.2	57
43	Polarization-Insensitive Metalenses at Visible Wavelengths. Nano Letters, 2016, 16, 7229-7234.	9.1	532
44	Ultrafast Thermal Nonlinearity. Scientific Reports, 2016, 5, 17899.	3.3	43
45	Multispectral Chiral Imaging with a Metalens. Nano Letters, 2016, 16, 4595-4600.	9.1	360
46	Metalenses at visible wavelengths: Diffraction-limited focusing and subwavelength resolution imaging. Science, 2016, 352, 1190-1194.	12.6	2,435
47	Vertical Split-Ring Resonator based Metasurface for Light Manipulation. , 2016, , .		0
48	Fabrication and measurement of vertical split-ring resonators for light manipulation and metasurface. , 2015, , .		0
49	Vertical split-ring resonators based plasmon coupling, nanophotonic sensing and light manipulation. , 2015, , .		0
50	Plasmon coupling in vertical split-ring resonator metamolecules. Scientific Reports, 2015, 5, 9726.	3.3	71
51	Vertical split-ring resonator based anomalous beam steering with high extinction ratio. Scientific Reports, 2015, 5, 11226.	3.3	51
52	Aluminum Plasmonic Multicolor Meta-Hologram. Nano Letters, 2015, 15, 3122-3127.	9.1	483
53	Plasmonic Metasurface for Color Hologram. , 2015, , .		0
54	Plasmon coupling in vertical split-ring resonator magnetic metamolecules. , 2015, , .		1

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55	Optical toroidal response in three-dimensional plasmonic metamaterial. , 2015, , .		4
56	Vertical split-ring resonators for plasmon coupling, sensing and metasurface. Proceedings of SPIE, 2015, , .	0.8	1
57	Reflective plasmonic metasurface and metahologram. , 2015, , .		0
58	Metasurface circular polarization splitter. , 2015, , .		0
59	Plasmon hybridization in three-dimensional magnetic metamolecules. , 2014, , .		0
60	Metamaterials: From 3D Plasmonic Nanostructure to Reflective Metasurface. , 2014, , .		0
61	Reflective Metasurface and Plasmonic Hologram Application. , 2014, , .		0
62	Vertical split-ring resonator based nanoplasmonic sensor. Applied Physics Letters, 2014, 105, .	3.3	86
63	Three-dimensional metamaterials: from split ring resonator to toroidal metamolecule. , 2014, , .		6
64	Polarization controlled colorful images reconstructed by reflective meta-hologram. Proceedings of SPIE, 2014, , .	0.8	0
65	High-Efficiency Broadband Meta-Hologram with Polarization-Controlled Dual Images. Nano Letters, 2014, 14, 225-230.	9.1	655
66	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
67	Manipulation of spectral amplitude and phase with plasmonic nano-structures for information storage. Frontiers of Optoelectronics, 2014, 7, 437-442.	3.7	3
68	Toroidal Lasing Spaser. Scientific Reports, 2013, 3, 1237.	3.3	114
69	Fabrication of three-dimensional plasmonic cavity by femtosecond laser-induced forward transfer. Optics Express, 2013, 21, 618.	3.4	22
70	Tunable light emission in reconfigurable plasmonic metamaterials. , 2013, , .		0
71	Magnetic plasmon induced transparency in three-dimensional metamolecules. Nanophotonics, 2012, 1, 131-138.	6.0	72
72	Fabrication of three dimensional split ring resonators by stress-driven assembly method. Optics Express, 2012, 20, 9415.	3.4	54

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73	Sub-wavelength GaN-based membrane high contrast grating reflectors. Optics Express, 2012, 20, 20551.	3.4	38
74	Design of plasmonic toroidal metamaterials at optical frequencies. Optics Express, 2012, 20, 1760.	3.4	153
75	Tunable plasmonic resonance arising from broken-symmetric silver nanobeads with dielectric cores. Journal of Optics (United Kingdom), 2012, 14, 114010.	2.2	54
76	High-Efficiency Broadband Anomalous Reflection by Gradient Meta-Surfaces. Nano Letters, 2012, 12, 6223-6229.	9.1	1,120
77	Fabrication of multilayer metamaterials by femtosecond laser-induced forward transfer technique. Laser and Photonics Reviews, 2012, 6, 702-707.	8.7	52
78	Optical magnetic response in three-dimensional metamaterial of upright plasmonic meta-molecules. Optics Express, 2011, 19, 12837.	3.4	95
79	Toroidal and magnetic spectral responses of four split-ring resonators. , 2011, , .		0
80	Manipulation of multidimensional plasmonic spectra for information storage. Applied Physics Letters, 2011, 98, .	3.3	25
81	A combinatorial approach to metamaterials discovery. Journal of Optics (United Kingdom), 2011, 13, 055102.	2.2	38
82	Electromagnetic energy vortex associated with sub-wavelength plasmonic Taiji marks. Optics Express, 2010, 18, 19665.	3.4	52
83	Macro to nanoscale imaging using planar lenses at visible wavelengths. SPIE Newsroom, 0, , .	0.1	1