Wei Ting Chen

List of Publications by Year in Descending Order

58 papers	8,505 citations	37 h-index	84 g-index
84 ext. papers	10,838 ext. citations	11.7 avg, IF	6.47 L-index

#	Paper	IF	Citations
58	Adjoint-optimized metasurfaces for compact mode-division multiplexing.. *ACS Photonics*, **2022**, 9, 929-937	6.3	1
57	Slow light nanocoatings for ultrashort pulse compression. *Nature Communications*, **2021**, 12, 6518	17.4	1
56	Will flat optics appear in everyday life anytime soon?. *Applied Physics Letters*, **2021**, 118, 100503	3.4	20
55	Coherent Raman scattering imaging with a near-infrared achromatic metalens. *APL Photonics*, **2021**, 6, 096107	5.2	1
54	Meta-optics achieves RGB-achromatic focusing for virtual reality. *Science Advances*, **2021**, 7,	14.3	42
53	Continuous angle-tunable birefringence with freeform metasurfaces for arbitrary polarization conversion. *Science Advances*, **2020**, 6, eaba3367	14.3	56
52	Frequency combs induced by phase turbulence. *Nature*, **2020**, 582, 360-364	50.4	36
51	Flat optics with dispersion-engineered metasurfaces. *Nature Reviews Materials*, **2020**, 5, 604-620	73.3	156
50	Controlling dispersion in multifunctional metasurfaces. *APL Photonics*, **2020**, 5, 056107	5.2	17
49	A broadband achromatic polarization-insensitive metalens consisting of anisotropic nanostructures. *Nature Communications*, **2019**, 10, 355	17.4	167
48	Imaging Performance of Polarization-Insensitive Metalenses. *ACS Photonics*, **2019**, 6, 1493-1499	6.3	34
47	Matrix Fourier optics enables a compact full-Stokes polarization camera. *Science*, **2019**, 365,	33.3	226
46	All-Glass, Large Metalens at Visible Wavelength Using Deep-Ultraviolet Projection Lithography. *Nano Letters*, **2019**, 19, 8673-8682	11.5	82
45	Dielectric multi-momentum meta-transformer in the visible. *Nature Communications*, **2019**, 10, 4789	17.4	50
44	Compact Aberration-Corrected Spectrometers in the Visible Using Dispersion-Tailored Metasurfaces. *Advanced Optical Materials*, **2019**, 7, 1801144	8.1	27
43	Single-Layer Metasurface with Controllable Multiwavelength Functions. *Nano Letters*, **2018**, 18, 2420-2427	11.5	119
42	Giant intrinsic chiro-optical activity in planar dielectric nanostructures. *Light: Science and Applications*, **2018**, 7, 17158	16.7	141

41	Optical Anapole Metamaterial. *ACS Nano*, **2018**, 12, 1920-1927	16.7	142
40	A broadband achromatic metalens for focusing and imaging in the visible. *Nature Nanotechnology*, **2018**, 13, 220-226	28.7	708
39	Broadband Achromatic Metasurface-Refractive Optics. *Nano Letters*, **2018**, 18, 7801-7808	11.5	79
38	Achromatic Metalens over 60 nm Bandwidth in the Visible and Metalens with Reverse Chromatic Dispersion. *Nano Letters*, **2017**, 17, 1819-1824	11.5	287
37	Generation of wavelength-independent subwavelength Bessel beams using metasurfaces. *Light: Science and Applications*, **2017**, 6, e16259	16.7	127
36	Immersion Meta-Lenses at Visible Wavelengths for Nanoscale Imaging. *Nano Letters*, **2017**, 17, 3188-3194	11.5	101
35	Versatile Polarization Generation with an Aluminum Plasmonic Metasurface. *Nano Letters*, **2017**, 17, 445-452	11.5	220
34	High-Operating-Temperature Direct Ink Writing of Mesoscale Eutectic Architectures. *Advanced Materials*, **2017**, 29, 1604778	24	28
33	Meta-Lens Doublet in the Visible Region. *Nano Letters*, **2017**, 17, 4902-4907	11.5	202
32	Visible Wavelength Planar Metalenses Based on Titanium Dioxide. *IEEE Journal of Selected Topics in Quantum Electronics*, **2017**, 23, 43-58	3.8	40
31	Toroidal circular dichroism. *Physical Review B*, **2016**, 94,	3.3	42
30	Polarization-Insensitive Metalenses at Visible Wavelengths. *Nano Letters*, **2016**, 16, 7229-7234	11.5	338
29	Multispectral Chiral Imaging with a Metalens. *Nano Letters*, **2016**, 16, 4595-600	11.5	242
28	Metalenses at visible wavelengths: Diffraction-limited focusing and subwavelength resolution imaging. *Science*, **2016**, 352, 1190-4	33.3	1638
27	Super-Dispersive Off-Axis Meta-Lenses for Compact High Resolution Spectroscopy. *Nano Letters*, **2016**, 16, 3732-7	11.5	131
26	Integrated plasmonic metasurfaces for spectropolarimetry. *Nanotechnology*, **2016**, 27, 224002	3.4	89
25	Broadband high-efficiency dielectric metasurfaces for the visible spectrum. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 10473-8	11.5	313
24	Plasmon coupling in vertical split-ring resonator metamolecules. *Scientific Reports*, **2015**, 5, 9726	4.9	53

23	Vertical split-ring resonator based anomalous beam steering with high extinction ratio. *Scientific Reports*, **2015**, 5, 11226	4.9	40
22	Aluminum plasmonic multicolor meta-hologram. *Nano Letters*, **2015**, 15, 3122-7	11.5	373
21	Optical toroidal response in three-dimensional plasmonic metamaterial **2015**,		3
20	Vertical split-ring resonators for plasmon coupling, sensing and metasurface **2015**,		1
19	Ultrafast Thermal Nonlinearity. *Scientific Reports*, **2015**, 5, 17899	4.9	31
18	High-efficiency broadband meta-hologram with polarization-controlled dual images. *Nano Letters*, **2014**, 14, 225-30	11.5	517
17	Toward omnidirectional light absorption by plasmonic effect for high-efficiency flexible nonvacuum Cu(In,Ga)Se2 thin film solar cells. *ACS Nano*, **2014**, 8, 9341-8	16.7	29
16	Manipulation of spectral amplitude and phase with plasmonic nano-structures for information storage. *Frontiers of Optoelectronics*, **2014**, 7, 437-442	2.8	2
15	Vertical split-ring resonator based nanoplasmonic sensor. *Applied Physics Letters*, **2014**, 105, 033105	3.4	64
14	Three-dimensional metamaterials: from split ring resonator to toroidal metamolecule **2014**,		5
13	Toroidal lasing spaser. *Scientific Reports*, **2013**, 3, 1237	4.9	99
12	Fabrication of three-dimensional plasmonic cavity by femtosecond laser-induced forward transfer. *Optics Express*, **2013**, 21, 618-25	3.3	19
11	High-efficiency broadband anomalous reflection by gradient meta-surfaces. *Nano Letters*, **2012**, 12, 6223-9	11.5	856
10	Fabrication of multilayer metamaterials by femtosecond laser-induced forward-transfer technique. *Laser and Photonics Reviews*, **2012**, 6, 702-707	8.3	40
9	Magnetic plasmon induced transparency in three-dimensional metamolecules. *Nanophotonics*, **2012** , 1, 131-138	6.3	57
8	Fabrication of three dimensional split ring resonators by stress-driven assembly method. *Optics Express*, **2012**, 20, 9415-20	3.3	45
7	Sub-wavelength GaN-based membrane high contrast grating reflectors. *Optics Express*, **2012**, 20, 20551-7	3.3	27
6	Design of plasmonic toroidal metamaterials at optical frequencies. *Optics Express*, **2012**, 20, 1760-8	3.3	137

5	Tunable plasmonic resonance arising from broken-symmetric silver nanobeads with dielectric cores. *Journal of Optics (United Kingdom)*, **2012**, 14, 114010	1.7	37
4	Optical magnetic response in three-dimensional metamaterial of upright plasmonic meta-molecules. *Optics Express*, **2011**, 19, 12837-42	3.3	77
3	Manipulation of multidimensional plasmonic spectra for information storage. *Applied Physics Letters*, **2011**, 98, 171106	3.4	20
2	A combinatorial approach to metamaterials discovery. *Journal of Optics (United Kingdom)*, **2011**, 13, 055102	1.7	33
1	Electromagnetic energy vortex associated with sub-wavelength plasmonic Taiji marks. *Optics Express*, **2010**, 18, 19665-71	3.3	35