

# Ming Kang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1245000/publications.pdf>

Version: 2024-02-01

50  
papers

1,985  
citations

331670

21  
h-index

243625

44  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1979  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wave front engineering from an array of thin aperture antennas. Optics Express, 2012, 20, 15882.	3.4	310
2	Spin-Enabled Plasmonic Metasurfaces for Manipulating Orbital Angular Momentum of Light. Nano Letters, 2013, 13, 4148-4151.	9.1	252
3	Asymmetric transmission for linearly polarized electromagnetic radiation. Optics Express, 2011, 19, 8347.	3.4	126
4	Tunable slow light in semiconductor metamaterial in a broad terahertz regime. Journal of Applied Physics, 2010, 107, .	2.5	112
5	Coherent perfect absorption in an all-dielectric metasurface. Applied Physics Letters, 2016, 108, .	3.3	112
6	Effective spontaneous $PT$ -symmetry breaking in hybridized metamaterials. Physical Review A, 2013, 87, .	2.5	104
7	Tunable terahertz left-handed metamaterial based on multi-layer graphene-dielectric composite. Applied Physics Letters, 2014, 104, 051902.	3.3	94
8	Twisted vector field from an inhomogeneous and anisotropic metamaterial. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 572.	2.1	79
9	Polarization-independent coherent perfect absorption by a dipole-like metasurface. Optics Letters, 2013, 38, 3086.	3.3	70
10	Chiral exceptional points in metasurfaces. Physical Review A, 2016, 94, .	2.5	64
11	Unidirectional optical transmission in dual-metal gratings in the absence of anisotropic and nonlinear materials. Optics Letters, 2011, 36, 1905.	3.3	59
12	Efficient Focusing with Large Numerical Aperture Using a Hybrid Metalens. Physical Review Applied, 2020, 13, .	3.8	52
13	Coherent Control of Optical Spin-to-Orbital Angular Momentum Conversion in Metasurface. Advanced Materials, 2017, 29, 1604252.	21.0	40
14	Coherent optical control of polarization with a critical metasurface. Physical Review A, 2015, 92, .	2.5	38
15	Slow light in a simple metamaterial structure constructed by cut and continuous metal strips. Applied Physics B: Lasers and Optics, 2010, 100, 699-703.	2.2	32
16	MoS <sub>2</sub> Broadband Coherent Perfect Absorber for Terahertz Waves. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	31
17	Coherent Perfect Diffraction in Metagratings. Advanced Materials, 2020, 32, e2002341.	21.0	29
18	Unidirectional phase singularity in ultrathin metamaterials at exceptional points. Physical Review A, 2014, 89, .	2.5	28

#	ARTICLE	IF	CITATIONS
19	Critical route for coherent perfect absorption in a Fano resonance plasmonic system. Applied Physics Letters, 2014, 105, .	3.3	28
20	Exceptional point in a metal-graphene hybrid metasurface with tunable asymmetric loss. Optics Express, 2020, 28, 20083.	3.4	25
21	Fanoâ€™Feshbach resonance in structural symmetry broken metamaterials. Journal of Applied Physics, 2011, 109, 014901.	2.5	22
22	Coupling Plasmonic System for Efficient Wavefront Control. ACS Applied Materials & Interfaces, 2021, 13, 5844-5852.	8.0	22
23	Spatial splitting of spin states in subwavelength metallic microstructures via partial conversion of spin-to-orbital angular momentum. Physical Review A, 2012, 85, .	2.5	21
24	Exceptional points in extraordinary optical transmission through dual subwavelength metallic gratings. Optics Express, 2013, 21, 13368.	3.4	21
25	Superconductive PT-symmetry phase transition in metasurfaces. Applied Physics Letters, 2017, 110, .	3.3	19
26	Wavefront manipulation with a dipolar metasurface under coherent control. Journal of Applied Physics, 2017, 122, .	2.5	16
27	Interferometric Control of Dual-Band Terahertz Perfect Absorption Using a Designed Metasurface. Physical Review Applied, 2018, 9, .	3.8	14
28	Dual-band unidirectional circular polarizer with opposite handedness filtration using hybridized metamaterial. Optics Express, 2014, 22, 9301.	3.4	13
29	Coherent Chiralâ€™Selective Absorption and Wavefront Manipulation in Singleâ€™Layer Metasurfaces. Advanced Optical Materials, 2021, 9, 2001620.	7.3	13
30	Optical spin-dependent angular shift in structured metamaterials. Optics Letters, 2011, 36, 3942.	3.3	12
31	Circular polarizer via selective excitation of photonic angular momentum states in metamaterials. Applied Physics Letters, 2013, 102, .	3.3	12
32	Experimental observation of the topological structure of exceptional points in an ultrathin hybridized metamaterial. Physical Review A, 2017, 96, .	2.5	12
33	Gold Nanoparticles with Gain-assisted Coating for Ultra-sensitive Biomedical Sensing. Plasmonics, 2015, 10, 881-886.	3.4	11
34	Spawning a ring of exceptional points from a metamaterial. Optics Express, 2017, 25, 18265.	3.4	11
35	Slow light from sharp dispersion by exciting dark photonic angular momentum states. Optics Letters, 2013, 38, 250.	3.3	10
36	Near-field phase singularity in subwavelength metallic microstructures. Physical Review A, 2011, 84, .	2.5	9

#	ARTICLE	IF	CITATIONS
37	Guided modes in magneto-optical waveguides and the role in resonant transmission. Optics Express, 2013, 21, 9563.	3.4	9
38	Chirality of exceptional points in bianisotropic metasurfaces. Optics Express, 2021, 29, 11582.	3.4	9
39	High-order exceptional points in non-Hermitian Moiré lattices. Frontiers of Physics, 2019, 14, 1.	5.0	8
40	A new planar left-handed metamaterial composed of metal-dielectric-metal structure. Optics Express, 2008, 16, 8617.	3.4	7
41	Exceptional singular resonance in gain mediated metamaterials. Optics Express, 2019, 27, 6240.	3.4	6
42	Second-harmonic generation in one-dimensional metal gratings with dual extraordinary transmissions. Journal of Applied Physics, 2010, 107, 053108.	2.5	5
43	Broadband light absorption and photoresponse enhancement in monolayer WSe <sub>2</sub> crystal coupled to Sb <sub>2</sub> O <sub>3</sub> microresonators. Nano Research, 2022, 15, 4653-4660.	10.4	5
44	Tailor-made unitary operations using dielectric metasurfaces. Optics Express, 2021, 29, 5677.	3.4	4
45	Fingerprints of topological defects in a metasurface. Optics Letters, 2014, 39, 4879.	3.3	3
46	Optical super-resonance in a customized $P$ - $T$ -symmetric system of hybrid interaction. Optics Express, 2021, 29, 24663.	3.4	2
47	Bandwidth bounds of coherent perfect absorber in resonant metasurfaces. Optics Express, 2019, 27, 9004.	3.4	2
48	Spin-sensitive distribution of electromagnetic field via spin-orbit interaction in structured metamaterials. Journal of Applied Physics, 2012, 112, 013102.	2.5	1
49	Plasmonic evolution maps for planar metamaterials. Photonics Research, 2021, 9, 73.	7.0	1
50	Nonreciprocal parity-time phase in magnetized waveguides. Optics Express, 2019, 27, 27385.	3.4	0