

# Kin-Hung Fung

## List of Publications by Year in descending order

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82  
papers

3,580  
citations

257429

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133244

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all docs

82  
docs citations

82  
times ranked

4605  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrabroadband Light Absorption by a Sawtooth Anisotropic Metamaterial Slab. Nano Letters, 2012, 12, 1443-1447.	9.1	864
2	Application of Plasmonic Bowtie Nanoantenna Arrays for Optical Trapping, Stacking, and Sorting. Nano Letters, 2012, 12, 796-801.	9.1	359
3	Tunable Light-Matter Interaction and the Role of Hyperbolicity in Graphene-hBN System. Nano Letters, 2015, 15, 3172-3180.	9.1	260
4	A thin film broadband absorber based on multi-sized nanoantennas. Applied Physics Letters, 2011, 99, .	3.3	250
5	Nonlinear Optical Response from Arrays of Au Bowtie Nanoantennas. Nano Letters, 2011, 11, 61-65.	9.1	170
6	Imaging of Plasmonic Modes of Silver Nanoparticles Using High-Resolution Cathodoluminescence Spectroscopy. ACS Nano, 2009, 3, 2965-2974.	14.6	119
7	Topological edge plasmon modes between diatomic chains of plasmonic nanoparticles. Optics Express, 2015, 23, 2021.	3.4	111
8	Preparation and characterization of few-layer MoS <sub>2</sub> nanosheets and their good nonlinear optical responses in the PMMA matrix. Nanoscale, 2014, 6, 9713-9719.	5.6	98
9	Plasmonic modes in periodic metal nanoparticle chains: a direct dynamic eigenmode analysis. Optics Letters, 2007, 32, 973.	3.3	89
10	Controlled Chainlike Agglomeration of Charged Gold Nanoparticles via a Deliberate Interaction Balance. Journal of Physical Chemistry C, 2008, 112, 16830-16839.	3.1	87
11	Chiral plasmon in gapped Dirac systems. Physical Review B, 2016, 93, .	3.2	71
12	Tungsten based anisotropic metamaterial as an ultra-broadband absorber. Optical Materials Express, 2017, 7, 606.	3.0	65
13	Topological interface modes in local resonant acoustic systems. Physical Review B, 2018, 98, .	3.2	63
14	Simultaneous multi-frequency topological edge modes between one-dimensional photonic crystals. Optics Letters, 2016, 41, 1644.	3.3	59
15	Collective plasmonic modes in two-dimensional periodic arrays of metal nanoparticles. Physical Review B, 2008, 78, .	3.2	52
16	Negative Optical Torque. Scientific Reports, 2014, 4, 6386.	3.3	51
17	On extending the concept of double negativity to acoustic waves. Journal of Zhejiang University: Science A, 2006, 7, 24-28.	2.4	50
18	Terahertz plasmonics in ferroelectric-gated graphene. Applied Physics Letters, 2013, 102, .	3.3	44

#	ARTICLE	IF	CITATIONS
19	Multifunctional Water Drop Energy Harvesting and Human Motion Sensor Based on Flexible Dual-Mode Nanogenerator Incorporated with Polymer Nanotubes. ACS Applied Materials & Interfaces, 2020, 12, 24030-24038.	8.0	44
20	The WS <sub>2</sub> quantum dot: preparation, characterization and its optical limiting effect in polymethylmethacrylate. Nanotechnology, 2016, 27, 414005.	2.6	36
21	Enhanced Photocatalytic Activity of WS <sub>2</sub> Film by Laser Drilling to Produce Porous WS <sub>2</sub> /WO <sub>3</sub> Heterostructure. Scientific Reports, 2017, 7, 3125.	3.3	31
22	Analytical study of the plasmonic modes of a metal nanoparticle circular array. Physical Review B, 2008, 77, .	3.2	28
23	Fabrication of gold nano-particle arrays using two-dimensional templates from holographic lithography. Current Applied Physics, 2009, 9, 820-825.	2.4	26
24	Optical torque from enhanced scattering by multipolar plasmonic resonance. Nanophotonics, 2014, 3, 343-350.	6.0	26
25	Photoluminescence enhancement in few-layer WS <sub>2</sub> films via Au nanoparticles. AIP Advances, 2015, 5, .	1.3	25
26	A computational study of the optical response of strongly coupled metal nanoparticle chains. Optics Communications, 2008, 281, 855-864.	2.1	24
27	Anomalous Light Scattering by Topological PT-symmetric Particle Arrays. Scientific Reports, 2016, 6, 38049.	3.3	23
28	Multiband plasmonic absorber based on transverse phase resonances. Optics Express, 2012, 20, 17552.	3.4	22
29	Localization characteristics of two-dimensional quasicrystals consisting of metal nanoparticles. Physical Review B, 2009, 80, .	3.2	21
30	Electron-photon scattering mediated by localized plasmons: A quantitative analysis by eigen-response theory. Physical Review B, 2014, 89, .	3.2	20
31	Infrared Nanoimaging of Surface Plasmons in Type-II Dirac Semimetal PtTe <sub>2</sub> Nanoribbons. ACS Nano, 2020, 14, 6276-6284.	14.6	20
32	Analytical properties of the plasmon decay profile in a periodic metal-nanoparticle chain. Optics Letters, 2011, 36, 2206.	3.3	19
33	Nonlinear frequency up-conversion via double topological edge modes. Optics Express, 2018, 26, 5083.	3.4	18
34	Acoustic metamaterials with spinning components. Physical Review B, 2020, 101, .	3.2	18
35	One-way optical tunneling induced by nonreciprocal dispersion of Tamm states in magnetophotonic crystals. Optics Letters, 2013, 38, 5232.	3.3	17
36	Zeeman splitting of photonic angular momentum states in a gyromagnetic cylinder. Physical Review B, 2011, 84, .	3.2	16

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37	Coalescence of nonreciprocal exceptional points in magnetized $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetric systems. <i>Physical Review B</i> , 2018, 97, .	3.2	14
38	Second-Order Topological Photonic Modes in Dipolar Arrays. <i>ACS Photonics</i> , 2020, 7, 2002-2009.	6.6	14
39	Absorption Enhancement in Organic Solar Cells with a Built-In Short-Pitch Plasmonic Grating. <i>Plasmonics</i> , 2015, 10, 773-781.	3.4	13
40	Nonsymmorphic symmetry-protected topological modes in plasmonic nanoribbon lattices. <i>Physical Review B</i> , 2018, 97, .	3.2	13
41	Polarization gaps and negative group velocity in chiral phononic crystals: Layer multiple scattering method. <i>Physical Review B</i> , 2008, 77, .	3.2	12
42	Excitation and imaging of resonant optical modes of Au triangular nanoantennas using cathodoluminescence spectroscopy. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C6C21-C6C25.	1.2	12
43	Nonreciprocal $\hat{1}/4$ -near-zero mode in PT-symmetric magnetic domains. <i>Physical Review B</i> , 2015, 91, .	3.2	12
44	Electric dipole-quadrupole hybridization induced enhancement of second-harmonic generation in T-shaped plasmonic heterodimers. <i>Optics Express</i> , 2018, 26, 11984.	3.4	12
45	SERS EM field enhancement study through fast Raman mapping of Sierpinski carpet arrays. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1124-1130.	2.5	11
46	Exciting multiple plasmonic resonances by a double-layered metallic nanostructure. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 2827.	2.1	11
47	Optical non-reciprocity induced by asymmetrical dispersion of Tamm plasmon polaritons in terahertz magnetoplasmonic crystals. <i>Optics Express</i> , 2018, 26, 33613.	3.4	11
48	Negative group velocity from quadrupole resonance of plasmonic spheres. <i>Physical Review B</i> , 2009, 79, .	3.2	10
49	Transmission properties of locally resonant sonic materials with finite slab thickness. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2005, 220, 871-876.	0.8	9
50	Metric-Torsion Duality of Optically Chiral Structures. <i>Physical Review Letters</i> , 2019, 122, 200201.	7.8	9
51	Topological theory for perfect metasurface isolators. <i>Physical Review B</i> , 2020, 101, .	3.2	9
52	Transformation optics scheme for two-dimensional materials. <i>Optics Letters</i> , 2014, 39, 2113.	3.3	8
53	Formation of nonreciprocal bands in magnetized diatomic plasmonic chains. <i>Physical Review B</i> , 2015, 92, .	3.2	8
54	Effective medium analysis of absorption enhancement in short-pitch metal grating incorporated organic solar cells. <i>Optics Express</i> , 2016, 24, A1408.	3.4	8

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55	Second Harmonic Generation Manipulation Enabled by Electromagnetic Coupling in Bianisotropic Metamolecules. <i>Advanced Optical Materials</i> , 2018, 6, 1701154.	7.3	8
56	Super-resolution image transfer by a vortex-like metamaterial. <i>Optics Express</i> , 2013, 21, 9407.	3.4	7
57	Photon emission rate engineering using graphene nanodisc cavities. <i>Optics Express</i> , 2014, 22, 6400.	3.4	7
58	Edge-Orientation Dependent Nanoimaging of Mid-Infrared Waveguide Modes in High-Index PtSe <sub>2</sub> . <i>Advanced Optical Materials</i> , 2021, 9, 2100294.	7.3	7
59	Comparison of Nanohole-Type and Nanopillar-Type Patterned Metallic Electrodes Incorporated in Organic Solar Cells. <i>Nanoscale Research Letters</i> , 2017, 12, 538.	5.7	6
60	Maxwell's demon-like nonreciprocity by non-Hermitian gyrotropic metasurfaces. <i>Physical Review Research</i> , 2021, 3, .	3.6	6
61	Stopping surface magneto-plasmons by non-reciprocal graded waveguides. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 398, 127279.	2.1	6
62	Subwavelength image manipulation through an oblique layered system. <i>Optics Express</i> , 2011, 19, 16809.	3.4	5
63	Lensed Water-Core Teflon-Amorphous Fluoroplastics Optical Fiber. <i>Journal of Lightwave Technology</i> , 2014, 32, 1538-1542.	4.6	5
64	Dynamic long range interaction induced topological edge modes in dispersive gyromagnetic lattices. <i>Physical Review B</i> , 2019, 99, .	3.2	5
65	A study on the spectral characteristics of surface enhanced Raman scattering based on far-field extinction and near-field electromagnetic field intensity of 2D nanostructures. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 59-63.	2.5	4
66	Electrical tunability due to coalescence of exceptional points in parity-time symmetric waveguides. <i>Optics Letters</i> , 2017, 42, 535.	3.3	4
67	Zak phases of chiral photonic crystals designed via transformation optics. <i>Physical Review B</i> , 2021, 104, .	3.2	4
68	Nonreciprocal transparency in asymmetric gyrotropic trimers. <i>Physical Review Research</i> , 2022, 4, .	3.6	4
69	Collective resonances in a circular array of gyromagnetic rods. <i>Physical Review B</i> , 2020, 101, .	3.2	3
70	Electron-beam excited photon emission from monopole modes of a plasmonic nano-disc. <i>Optics Letters</i> , 2017, 42, 3387.	3.3	3
71	Plasmonic Sensors Based on Rayleigh Anomaly. , 2012, , .		2
72	Mapping of surface plasmon polaritons on nanostructured thin film disks using cathodoluminescence imaging. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
73	Designing a Thin Film Blackbody Based on Plasmonic Anisotropic metamaterials. , 2012, , .		1
74	Transforming light and sound with metamaterials. , 2011, , .		0
75	CHIRAL PHOTONIC AND PLASMONIC STRUCTURES. World Scientific Series in Nanoscience and Nanotechnology, 2011, , 45-66.	0.1	0
76	Investigations on Plasmonic Modes of Noble Metal Nano-Disks Using High-Resolution Cathodoluminescence Imaging Spectroscopy. Materials Research Society Symposia Proceedings, 2011, 1294, 48701.	0.1	0
77	Investigation of the nonlinear optical response from arrays of Au bowtie nanoantennas. , 2011, , .		0
78	Quest for an Optical Circuit Probe. Microscopy and Microanalysis, 2015, 21, 1251-1252.	0.4	0
79	Cathodoluminescence Imaging of Plasmonic Modes of Ag Nanostructures. , 2010, , .		0
80	Efficient plasmonic trapping using bowtie nanoantennas. , 2011, , .		0
81	Designing a Thin Film Blackbody Based on Plasmonic Anisotropic Metamaterials. , 2012, , .		0
82	Quantum Electromechanical Processes in Plasmonic Nanostructures. , 2014, , .		0