

Hui Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

2,261
citations

28
h-index

46
g-index

71
ext. papers

2,589
ext. citations

5.1
avg, IF

4.67
L-index

#	Paper	IF	Citations
71	Generation and Tunability of Supermodes in Tamm Plasmon Topological Superlattices. <i>ACS Photonics</i> , 2021 , 8, 2095-2102	6.3	1
70	Tunability of spin-dependent secondary topological interface states induced in an optical complex superlattice. <i>Physical Review B</i> , 2021 , 104,	3.3	1
69	Probing Rotated Weyl Physics on Nonlinear Lithium Niobate-on-Insulator Chips. <i>Physical Review Letters</i> , 2021 , 127, 013901	7.4	2
68	Double-bowl state in photonic Dirac nodal line semimetal. <i>Light: Science and Applications</i> , 2021 , 10, 170	16.7	1
67	Quantum simulation of particle pair creation near the event horizon. <i>National Science Review</i> , 2020 , 7, 1476-1484	10.8	5
66	Optical analogy of gravitational collapse and quantum tunneling of the event horizon. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 035605	1.7	
65	Angle-Resolved Thermal Emission Spectroscopy Characterization of Non-Hermitian Metacrystals. <i>Physical Review Applied</i> , 2020 , 13,	4.3	7
64	Simulation of giant tidal force of wormhole using curved optical spaces. <i>Physical Review Research</i> , 2020 , 2,	3.9	2
63	Exceptional cones in 4D parameter space. <i>Optics Express</i> , 2020 , 28, 1758-1770	3.3	9
62	Mimicking an expanding universe by optical interference in a helicoid waveguide. <i>Optics Express</i> , 2020 , 28, 11406-11414	3.3	1
61	Realization of photonic charge-2 Dirac point by engineering super-modes in topological superlattices. <i>Communications Physics</i> , 2020 , 3,	5.4	5
60	Controlling Thermal Emission by Parity-Symmetric Fano Resonance of Optical Absorbers in Metasurfaces. <i>ACS Photonics</i> , 2019 , 6, 2671-2676	6.3	14
59	Transformation optics based on metasurfaces. <i>Science Bulletin</i> , 2019 , 64, 793-796	10.6	5
58	Effective spin-2 quasi-particles at linear dispersive five-fold degenerate points with tunable topological Chern numbers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 2139-2144	2.3	1
57	Conformal Singularities and Topological Defects from Inverse Transformation Optics. <i>Physical Review Applied</i> , 2019 , 11,	4.3	8
56	Light rays and waves on geodesic lenses. <i>Photonics Research</i> , 2019 , 7, 1266	6	12
55	Fano-like resonance in large-area magnetic metamaterials fabricated by the nanoimprint technique. <i>Applied Physics Express</i> , 2019 , 12, 025008	2.4	1

54	Controlling Surface Plasmons Through Covariant Transformation of the Spin-Dependent Geometric Phase Between Curved Metamaterials. <i>Physical Review Letters</i> , 2018 , 120, 243901	7.4	22
53	Pseudo-magnetic-field and effective spin-orbit interaction for a spin-1/2 particle confined to a curved surface. <i>Physical Review A</i> , 2018 , 98,	2.6	9
52	Definite photon deflections of topological defects in metasurfaces and symmetry-breaking phase transitions with material loss. <i>Nature Communications</i> , 2018 , 9, 4271	17.4	34
51	Controlling thermal emission of phonon by magnetic metasurfaces. <i>Scientific Reports</i> , 2017 , 7, 41858	4.9	17
50	Self-Focusing and the Talbot Effect in Conformal Transformation Optics. <i>Physical Review Letters</i> , 2017 , 119, 033902	7.4	49
49	Optical Interface States Protected by Synthetic Weyl Points. <i>Physical Review X</i> , 2017 , 7,	9.1	41
48	Measurement of the Zak phase of photonic bands through the interface states of a metasurface/photonic crystal. <i>Physical Review B</i> , 2016 , 93,	3.3	54
47	Wavefront shaping through emulated curved space in waveguide settings. <i>Nature Communications</i> , 2016 , 7, 10747	17.4	43
46	Flexible coherent control of plasmonic spin-Hall effect. <i>Nature Communications</i> , 2015 , 6, 8360	17.4	106
45	Refractive index sensor based on the leaky radiation of a microfiber. <i>Optics Express</i> , 2014 , 22, 12645-52	3.3	13
44	Coupled magnetic resonator optical waveguides. <i>Laser and Photonics Reviews</i> , 2013 , 7, 882-900	8.3	10
43	Trapping light by mimicking gravitational lensing. <i>Nature Photonics</i> , 2013 , 7, 902-906	33.9	111
42	Hong-Ou-Mandel interference mediated by the magnetic plasmon waves in a three-dimensional optical metamaterial. <i>Optics Express</i> , 2012 , 20, 5213-8	3.3	14
41	Transformation bending device emulated by graded-index waveguide. <i>Optics Express</i> , 2012 , 20, 13006-13	3.3	10
40	Linear and nonlinear Fano resonance on two-dimensional magnetic metamaterials. <i>Physical Review B</i> , 2011 , 84,	3.3	34
39	Spectral analysis of enhanced third harmonic generation from plasmonic excitations. <i>Applied Physics Letters</i> , 2011 , 98, 261909	3.4	15
38	Accumulating microparticles and direct-writing micropatterns using a continuous-wave laser-induced vapor bubble. <i>Lab on A Chip</i> , 2011 , 11, 3816-20	7.2	71
37	Selective optical trapping based on strong plasmonic coupling between gold nanorods and slab. <i>Applied Physics Letters</i> , 2011 , 98, 083117	3.4	13

36	Strong plasmon coupling between two gold nanospheres on a gold slab. <i>New Journal of Physics</i> , 2011 , 13, 073040	2.9	27
35	The gain effect in a magnetic plasmon waveguide. <i>Applied Physics Letters</i> , 2010 , 96, 113103	3.4	6
34	High sensing properties of magnetic plasmon resonance in the double-rod and tri-rod structures. <i>Applied Physics Letters</i> , 2010 , 97, 071905	3.4	10
33	Lagrange model for the chiral optical properties of stereometamaterials. <i>Physical Review B</i> , 2010 , 81,	3.3	45
32	Enhanced sensing performance by the plasmonic analog of electromagnetically induced transparency in active metamaterials. <i>Applied Physics Letters</i> , 2010 , 97, 114101	3.4	185
31	Cavity-involved plasmonic metamaterial for optical polarization conversion. <i>Applied Physics Letters</i> , 2010 , 97, 261113	3.4	89
30	Optical loss compensation in a bulk left-handed metamaterial by the gain in quantum dots. <i>Applied Physics Letters</i> , 2010 , 96, 044104	3.4	45
29	Plasmonically induced transparent magnetic resonance in a metallic metamaterial composed of asymmetric double bars. <i>Optics Express</i> , 2010 , 18, 18229-34	3.3	117
28	Role of asymmetric environment on the dark mode excitation in metamaterial analogue of electromagnetically-induced transparency. <i>Optics Express</i> , 2010 , 18, 22412-7	3.3	49
27	Electric and magnetic excitation of coherent magnetic plasmon waves in a one-dimensional meta-chain. <i>Optics Express</i> , 2010 , 18, 26268-73	3.3	10
26	Double-resonance nanolaser based on coupled slit-hole resonator structures. <i>Optics Letters</i> , 2010 , 35, 754-6	3	11
25	Hybridization effect in coupled metamaterials. <i>Frontiers of Physics in China</i> , 2010 , 5, 277-290		10
24	Optically pumped nanolaser based on two magnetic plasmon resonance modes. <i>Applied Physics Letters</i> , 2009 , 94, 103106	3.4	34
23	Suppression of radiation loss by hybridization effect in two coupled split-ring resonators. <i>Physical Review B</i> , 2009 , 80,	3.3	37
22	Parametric simulations of the metallic double-ring metamaterials: Geometric optimization and terahertz response. <i>Journal of Applied Physics</i> , 2009 , 105, 034907	2.5	7
21	Coupled magnetic plasmons in metamaterials. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 1397-1406	3.6	73
20	Extraordinary optical transmission induced by excitation of a magnetic plasmon propagation mode in a diatomic chain of slit-hole resonators. <i>Physical Review B</i> , 2009 , 79,	3.3	48
19	Structural-configured magnetic plasmon bands in connected ring chains. <i>Optics Express</i> , 2009 , 17, 11486-94	3.5	33

18	Modeling the directed transmission and reflection enhancements of the lasing surface plasmon amplification by stimulated emission of radiation in active metamaterials. <i>Physical Review B</i> , 2009 , 80,	3.3	15
17	Negative refraction with magnetic resonance in a metallic double-ring metamaterial. <i>Applied Physics Letters</i> , 2008 , 92, 064101	3.4	34
16	Resonance amplification of left-handed transmission at optical frequencies by stimulated emission of radiation in active metamaterials. <i>Optics Express</i> , 2008 , 16, 20974-80	3.3	22
15	Magnetic resonance hybridization and optical activity of microwaves in a chiral metamaterial. <i>Applied Physics Letters</i> , 2008 , 92, 131111	3.4	80
14	Negative index of refraction in metallic metamaterial comprising split-ring resonators. <i>Physical Review E</i> , 2008 , 77, 056609	2.4	8
13	Creation of a magnetic plasmon polariton through strong coupling between an artificial magnetic atom and the defect state in a defective multilayer microcavity. <i>Physical Review B</i> , 2008 , 77,	3.3	21
12	Magnetic plasmon hybridization and optical activity at optical frequencies in metallic nanostructures. <i>Physical Review B</i> , 2007 , 76,	3.3	189
11	Omnidirectional negative refraction with wide bandwidth introduced by magnetic coupling in a tri-rod structure. <i>Physical Review B</i> , 2007 , 76,	3.3	10
10	Highly confined energy propagation in a gap waveguide composed of two coupled nanorod chains. <i>Applied Physics Letters</i> , 2007 , 91, 133107	3.4	9
9	Non-left-handed transmission and bianisotropic effect in a Eshaped metallic metamaterial. <i>Physical Review B</i> , 2007 , 75,	3.3	41
8	Coupling effect of magnetic polariton in perforated metal/dielectric layered metamaterials and its influence on negative refraction transmission. <i>Optics Express</i> , 2006 , 14, 11155-63	3.3	77
7	Piezoelectricpiezomagnetic multilayer with simultaneously negative permeability and permittivity. <i>Applied Physics Letters</i> , 2005 , 86, 102904	3.4	10
6	Coupling of electromagnetic waves and superlattice vibrations in a piezomagnetic superlattice: Creation of a polariton through the piezomagnetic effect. <i>Physical Review B</i> , 2005 , 71,	3.3	17
5	Red, yellow, green and blue Four-color light from a single, aperiodically poled LiTaO3 crystal. <i>Applied Physics B: Lasers and Optics</i> , 2004 , 78, 265-267	1.9	28
4	Simultaneous generation of red, green, and blue quasi-continuous-wave coherent radiation based on multiple quasi-phase-matched interactions from a single, aperiodically-poled LiTaO3. <i>Applied Physics Letters</i> , 2003 , 82, 3159-3161	3.4	56
3	Simultaneous cw red, yellow, and green light generation, Traffic signal lights,by frequency doubling and sum-frequency mixing in an aperiodically poled LiTaO3. <i>Applied Physics Letters</i> , 2003 , 83, 228-230	3.4	28
2	Multiple-wavelength second-harmonic generation in aperiodic optical superlattices. <i>Applied Physics Letters</i> , 2002 , 81, 3326-3328	3.4	24
1	A scheme to realize three-fundamental-colors laser based on quasi-phase matching. <i>Solid State Communications</i> , 2001 , 119, 363-366	1.6	15

