

Yihao Yang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3465314/publications.pdf>

Version: 2024-02-01

43
papers

2,418
citations

257450

24
h-index

265206

42
g-index

43
all docs

43
docs citations

43
times ranked

1873
citing authors

#	ARTICLE	IF	CITATIONS
1	Roadmap on topological photonics. JPhys Photonics, 2022, 4, 032501.	4.6	56
2	Diffusive topological transport in spatiotemporal thermal lattices. Nature Physics, 2022, 18, 450-456.	16.7	39
3	Three-dimensional photonic topological insulator without spin-orbit coupling. Nature Communications, 2022, 13, .	12.8	9
4	Angle-Insensitive Toroidal Metasurface for High-Efficiency Sensing. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1511-1517.	4.6	13
5	Topological refraction in dual-band valley sonic crystals. Physical Review B, 2021, 103, .	3.2	23
6	Photonic Topological Valley-Locked Waveguides. ACS Photonics, 2021, 8, 1400-1406.	6.6	52
7	Topological Valley Photonics: Physics and Device Applications. Advanced Photonics Research, 2021, 2, 2100013.	3.6	63
8	Negative refraction of ultra-squeezed in-plane hyperbolic designer polaritons. Photonics Research, 2021, 9, 1540.	7.0	5
9	Unconventional Weyl exceptional contours in non-Hermitian photonic continua. Photonics Research, 2021, 9, 2435.	7.0	10
10	Acoustic non-Hermitian skin effect from twisted winding topology. Nature Communications, 2021, 12, 6297.	12.8	125
11	Demonstration of negative refraction induced by synthetic gauge fields. Science Advances, 2021, 7, eabj2062.	10.3	13
12	Ideal Unconventional Weyl Point in a Chiral Photonic Metamaterial. Physical Review Letters, 2020, 125, 143001.	7.8	51
13	A Unidirectional TM-Wave Cloak With Full Parameters. IEEE Access, 2020, 8, 7609-7614.	4.2	1
14	Photonic amorphous topological insulator. Light: Science and Applications, 2020, 9, 133.	16.6	58
15	Topological Anderson Insulator in Disordered Photonic Crystals. Physical Review Letters, 2020, 125, 133603.	7.8	66
16	Aperiodic Metagratings for High-Performance Multifunctional Acoustic Lenses. Advanced Materials Technologies, 2020, 5, 2000542.	5.8	16
17	Robust waveguiding in substrate-integrated topological photonic crystals. Applied Physics Letters, 2020, 116, .	3.3	18
18	Terahertz topological photonics for on-chip communication. Nature Photonics, 2020, 14, 446-451.	31.4	449

#	ARTICLE	IF	CITATIONS
19	Observation of an unpaired photonic Dirac point. Nature Communications, 2020, 11, 1873.	12.8	51
20	Observation of Photonic Antichiral Edge States. Physical Review Letters, 2020, 125, 263603.	7.8	47
21	Robustness Analysis of the Dual-band Kink States in Valley-Hall Photonic Topological Insulators. , 2020, , .		0
22	Valley Kink States and Topological Channel Intersections in Substrate-Integrated Photonic Circuitry. Laser and Photonics Reviews, 2019, 13, 1900159.	8.7	57
23	Origami Metawall: Mechanically Controlled Absorption and Deflection of Light. Advanced Science, 2019, 6, 1901434.	11.2	42
24	Observation of a topological nodal surface and its surface-state arcs in an artificial acoustic crystal. Nature Communications, 2019, 10, 5185.	12.8	59
25	Valley-Hall Photonic Topological Insulators with Dual-Band Kink States. Advanced Optical Materials, 2019, 7, 1900036.	7.3	61
26	Topological triply degenerate point with double Fermi arcs. Nature Physics, 2019, 15, 645-649.	16.7	89
27	Type-I hyperbolic metasurfaces for highly-squeezed designer polaritons with negative group velocity. Nature Communications, 2019, 10, 2002.	12.8	24
28	Direct current remote cloak for arbitrary objects. Light: Science and Applications, 2019, 8, 30.	16.6	19
29	Transverse photon spin of bulk electromagnetic waves in bianisotropic media. Nature Photonics, 2019, 13, 878-882.	31.4	37
30	Spoof Surface Plasmonic Graphene for Controlling the Transports and Emissions of Electromagnetic Waves. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 50-56.	4.6	7
31	Spiral Field Generation in Smith-Purcell Radiation by Helical Metagratings. Research, 2019, 2019, 3806132.	5.7	22
32	Experimental Realization of an Extreme-Parameter Omnidirectional Cloak. Research, 2019, 2019, 8282641.	5.7	16
33	Spiral Field Generation in Smith-Purcell Radiation by Helical Metagratings. Research, 2019, 2019, 1-8.	5.7	7
34	Toroidal Localized Spoof Plasmons on Compact Metadisks. Advanced Science, 2018, 5, 1700487.	11.2	27
35	Diodelike Spin-Orbit Interactions of Light in Chiral Metasurfaces. IEEE Transactions on Antennas and Propagation, 2018, 66, 7148-7155.	5.1	23
36	Origami-Based Reconfigurable Metamaterials for Tunable Chirality. Advanced Materials, 2017, 29, 1700412.	21.0	193

#	ARTICLE	IF	CITATIONS
37	Chiral metamirrors for broadband spin-selective absorption. Applied Physics Letters, 2017, 110, .	3.3	77
38	Bifunctional acoustic metamaterial lens designed with coordinate transformation. Applied Physics Letters, 2017, 110, .	3.3	30
39	Hyperbolic spoof plasmonic metasurfaces. NPC Asia Materials, 2017, 9, e428-e428.	7.9	97
40	Gradient Chiral Metamirrors for Spin-Selective Anomalous Reflection. Laser and Photonics Reviews, 2017, 11, 1700115.	8.7	89
41	Full-Polarization 3D Metasurface Cloak with Preserved Amplitude and Phase. Advanced Materials, 2016, 28, 6866-6871.	21.0	259
42	Non-contact radio frequency shielding and wave guiding by multi-folded transformation optics method. Scientific Reports, 2016, 6, 36846.	3.3	10
43	A Full-Parameter, Broadband, Homogeneous, and Compact Waveguide Coupler Designed With Transformation Optics. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 634-637.	4.0	8