

Wei Ding

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.

61

papers

986

citations

18

h-index

29

g-index

85

ext. papers

1,350

ext. citations

3.9

avg, IF

4.48

L-index

#	Paper	IF	Citations
61	On-chip nanophotonic topological rainbow.. <i>Nature Communications</i> , 2022 , 13, 2586	17.4	3
60	Detecting SARS-CoV-2 in the Breath of COVID-19 Patients. <i>Frontiers in Medicine</i> , 2021 , 8, 604392	4.9	10
59	High-fidelity, low-latency polarization quantum state transmissions over a hollow-core conjoined-tube fiber at around 800 nm. <i>Photonics Research</i> , 2021 , 9, 460	6	2
58	Cryo-EM analysis of the HCoV-229E spike glycoprotein reveals dynamic prefusion conformational changes. <i>Nature Communications</i> , 2021 , 12, 141	17.4	3
57	Observation of A-site antiferromagnetic and B-site ferrimagnetic orderings in the quadruple perovskite oxide CaCu ₃ Co ₂ Re ₂ O ₁₂ . <i>Physical Review B</i> , 2021 , 103,	3.3	3
56	Design of large mode area all-solid anti-resonant fiber for high-power lasers. <i>High Power Laser Science and Engineering</i> , 2021 , 9,	4.3	6
55	Using cryo-electron microscopy maps for X-ray structure determination of homologues. <i>Acta Crystallographica Section D: Structural Biology</i> , 2020 , 76, 63-72	5.5	
54	Conquering the Rayleigh Scattering Limit of Silica Glass Fiber at Visible Wavelengths with a Hollow-Core Fiber Approach. <i>Laser and Photonics Reviews</i> , 2020 , 14, 1900241	8.3	16
53	Recent Progress in Low-Loss Hollow-Core Anti-Resonant Fibers and Their Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020 , 26, 1-12	3.8	30
52	Ultra-Long Subwavelength Micro/Nanofibers With Low Loss. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 1069-1072	2.2	3
51	Standing-wave spectrometry in silicon nano-waveguides using reflection-based near-field scanning optical microscopy. <i>Chinese Physics B</i> , 2019 , 28, 010702	1.2	1
50	7-cell hollow-core photonic bandgap fiber with broad spectral bandwidth and low loss. <i>Optics Express</i> , 2019 , 27, 11608-11616	3.3	11
49	Hollow-core conjoined-tube fiber for penalty-free data transmission under offset launch conditions. <i>Optics Letters</i> , 2019 , 44, 2145-2148	3	12
48	Ultralow Loss Hollow-Core Conjoined-Tube Negative-Curvature Fiber for Data Transmission 2019 ,		1
47	Structural basis of AimP signaling molecule recognition by AimR in Spbeta group of bacteriophages. <i>Protein and Cell</i> , 2019 , 10, 131-136	7.2	7
46	Hollow-core negative-curvature fiber for UV guidance. <i>Optics Letters</i> , 2018 , 43, 1347-1350	3	31
45	Hollow-core conjoined-tube negative-curvature fibre with ultralow loss. <i>Nature Communications</i> , 2018 , 9, 2828	17.4	133

44	Using cryo-electron microscopy maps for X-ray structure determination. <i>IUCrJ</i> , 2018 , 5, 382-389	4.7	5
43	Imaging of guided waves using an all-fiber reflection-based NSOM with self-compensation of a phase drift. <i>Optics Letters</i> , 2018 , 43, 4863-4866	3	3
42	Diameter measurement of optical nanofiber based on high-order Bragg reflections using a ruled grating. <i>Optics Letters</i> , 2018 , 43, 559-562	3	1
41	Highly efficient broadband second harmonic generation mediated by mode hybridization and nonlinearity patterning in compact fiber-integrated lithium niobate nano-waveguides. <i>Scientific Reports</i> , 2018 , 8, 12478	4.9	14
40	Formation of ZnO Tetrahedra and ZnO Octahedra in TeZnO Synthesized under High Pressure. <i>Inorganic Chemistry</i> , 2018 , 57, 6716-6721	5.1	5
39	Full control of far-field radiation via photonic integrated circuits decorated with plasmonic nanoantennas. <i>Optics Express</i> , 2017 , 25, 17417-17430	3.3	4
38	Confinement loss in hollow-core negative curvature fiber: A multi-layered model. <i>Optics Express</i> , 2017 , 25, 33122	3.3	35
37	Characterization of a liquid-filled nodeless anti-resonant fiber for biochemical sensing. <i>Optics Letters</i> , 2017 , 42, 863-866	3	40
36	Optical microfiber-based photonic crystal cavity. <i>Journal of Physics: Conference Series</i> , 2016 , 680, 012029	0.3	4
35	Hybrid microfiber-lithium-niobate nanowaveguide structures as high-purity heralded single-photon sources. <i>Physical Review A</i> , 2016 , 94,	2.6	9
34	Vector beam generation via micrometer-scale photonic integrated circuits and plasmonic nano-antennae. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016 , 33, 360	1.7	7
33	Bending loss characterization in nodeless hollow-core anti-resonant fiber. <i>Optics Express</i> , 2016 , 24, 14801-11	3.1	40
32	Spontaneous emission of polarized V-type three-level atoms strongly coupled with an optical cavity. <i>Chinese Physics B</i> , 2015 , 24, 034202	1.2	
31	Power transfer mechanism of metallic grating coupled whispering gallery microsphere resonator. <i>Optics Letters</i> , 2015 , 40, 1908-11	3	2
30	Hybrid transmission bands and large birefringence in hollow-core anti-resonant fibers. <i>Optics Express</i> , 2015 , 23, 21165-74	3.3	32
29	Microfiber-Lithium Niobate on Insulator Hybrid Waveguides for Efficient and Reconfigurable Second-Order Optical Nonlinearity on a Chip. <i>Photonics</i> , 2015 , 2, 946-956	2.2	5
28	Semi-analytical model for hollow-core anti-resonant fibers. <i>Frontiers in Physics</i> , 2015 , 3,	3.9	7
27	Direct laser writing of symmetry-broken spiral tapers for polarization-insensitive three-dimensional plasmonic focusing. <i>Laser and Photonics Reviews</i> , 2014 , 8, 602-609	8.3	21

26	Numerical investigation of optical Tamm states in two-dimensional hybrid plasmonic-photonic crystal nanobeams. <i>Journal of Applied Physics</i> , 2014 , 116, 043106	2.5	3
25	Unidirectional emissions from dielectric photonic circuits decorated with plasmonic phased antenna arrays. <i>Chinese Physics B</i> , 2014 , 23, 037301	1.2	2
24	Demonstration of broad photonic crystal stop band in a freely-suspended microfiber perforated by an array of rectangular holes. <i>Optics Express</i> , 2014 , 22, 2528-35	3.3	7
23	Analytic model for light guidance in single-wall hollow-core anti-resonant fibers. <i>Optics Express</i> , 2014 , 22, 27242-56	3.3	26
22	Design of high-Q silicon-polymer hybrid photonic crystal nanobeam microcavities for low-power and ultrafast all-optical switching. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2014 , 12, 83-92	2.6	13
21	Single-photon generation by pulsed laser in optomechanical system via photon blockade effect. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 1683	1.7	14
20	Fano resonances in metallic grating coupled whispering gallery mode resonator. <i>Applied Physics Letters</i> , 2013 , 103, 151108	3.4	11
19	Reducing radiation losses of one-dimensional photonic-crystal reflectors on a silica waveguide. <i>Optics Express</i> , 2012 , 20, 28641-54	3.3	3
18	Modulational instability in a silicon-on-insulator directional coupler: role of the coupling-induced group velocity dispersion. <i>Optics Letters</i> , 2012 , 37, 668-70	3	9
17	Surface plasmon resonances in silver Bowtie nanoantennas with varied bow angles. <i>Journal of Applied Physics</i> , 2010 , 108, 124314	2.5	63
16	Time and frequency domain measurements of solitons in subwavelength silicon waveguides using a cross-correlation technique. <i>Optics Express</i> , 2010 , 18, 26625-30	3.3	31
15	Spatiotemporal nonlinear optics in arrays of subwavelength waveguides. <i>Physical Review A</i> , 2010 , 82,	2.6	19
14	Understanding near/far-field engineering of optical dimer antennas through geometry modification. <i>Optics Express</i> , 2009 , 17, 21228-39	3.3	28
13	Modal coupling in surface-corrugated long-period-grating fiber tapers. <i>Optics Letters</i> , 2008 , 33, 717-9	3	18
12	Solitons and spectral broadening in long silicon-on-insulator photonic wires. <i>Optics Express</i> , 2008 , 16, 3310-9	3.3	27
11	Study on the applied limitation of the micro-crystal model for Raman spectra of nano-crystalline semiconductors. <i>Journal of Raman Spectroscopy</i> , 2008 , 39, 1578-1583	2.3	9
10	935 nm Nd ³⁺ fibre laser incorporating tapered photonic bandgap fibre filter. <i>Electronics Letters</i> , 2007 , 43, 327	1.1	7
9	Internal excitation and superfocusing of surface plasmon polaritons on a silver-coated optical fiber tip. <i>Physical Review A</i> , 2007 , 75,	2.6	74

8	Surface corrugation Bragg gratings on optical fiber tapers created via plasma etch postprocessing. <i>Optics Letters</i> , 2007 , 32, 2499-501	3	14
7	Multiwavelength Transmission Microcavity in SOI Planar Ridge Waveguides. <i>Journal of Lightwave Technology</i> , 2007 , 25, 2206-2212	4	2
6	Modal coupling in fiber tapers decorated with metallic surface gratings. <i>Optics Letters</i> , 2006 , 31, 2556-8	3	25
5	Near-field optical imaging with a CdSe single nanocrystal-based active tip. <i>Optics Express</i> , 2006 , 14, 10596-602	3	25
4	Variation of Raman feature on excitation wavelength in silicon nanowires. <i>Applied Physics Letters</i> , 2002 , 81, 4446-4448	3-4	37
3	Asymmetry of Raman crosstalk in wavelength division multiplexing transmission systems. <i>Electronics Letters</i> , 2002 , 38, 1265	1-1	2
2	Abnormal Raman spectral phenomenon of silicon nanowires. <i>Science Bulletin</i> , 2000 , 45, 1351-1354		5
1	Highly Birefringent Anti-Resonant Hollow-Core Fiber with a Bi-Thickness Fourfold Semi-Tube Structure. <i>Laser and Photonics Reviews</i> , 2100365	8.3	2