

# Zhiwei Guo

## 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.

38  
papers

675  
citations

17  
h-index

25  
g-index

47  
ext. papers

1,027  
ext. citations

3.7  
avg, IF

4.75  
L-index

#	Paper	IF	Citations
38	Zero-index and hyperbolic metacavities: fundamentals and applications. <i>Journal Physics D: Applied Physics</i> , <b>2022</b> , 55, 083001	3	6
37	Omnidirectional nonreciprocal absorber realized by the magneto-optical hypercrystal.. <i>Optics Express</i> , <b>2022</b> , 30, 12104-12119	3.3	4
36	Ultra-broadband near-field magnetic shielding realized by the Halbach-like structure. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 192201	3.4	
35	Rotation controlled topological edge states in a trimer chain composed of meta-atoms. <i>New Journal of Physics</i> , <b>2022</b> , 24, 063001	2.9	1
34	Sensitivity of topological edge states in a non-Hermitian dimer chain. <i>Photonics Research</i> , <b>2021</b> , 9, 574	6	9
33	Reconfigurable magnetic near-field distributions based on the coding metasurfaces in MHz band. <i>Optics Express</i> , <b>2021</b> , 29, 13908-13924	3.3	0
32	Anomalous unidirectional excitation of high-k hyperbolic modes using all-electric metasources. <i>Advanced Photonics</i> , <b>2021</b> , 3,	8.1	15
31	Ultra-sensitive passive wireless sensor exploiting high-order exceptional point for weakly coupling detection. <i>New Journal of Physics</i> , <b>2021</b> , 23, 063008	2.9	5
30	Miniaturized Backward Coupler Realized by the Circuit-Based Planar Hyperbolic Waveguide. <i>Advanced Photonics Research</i> , <b>2021</b> , 2, 2100035	1.9	2
29	Abnormal Wave Propagation in Tilted Linear-Crossing Metamaterials. <i>Advanced Photonics Research</i> , <b>2021</b> , 2, 2000071	1.9	4
28	Significant enhancement of magnetic shielding effect by using the composite metamaterial composed of mu-near-zero media and ferrite. <i>EPJ Applied Metamaterials</i> , <b>2021</b> , 8, 13	0.8	2
27	Actively controlled asymmetric edge states for directional wireless power transfer. <i>Optics Express</i> , <b>2021</b> , 29, 7844-7857	3.3	5
26	Observation of topological bound states in a double Su-Schrieffer-Heeger chain composed of split ring resonators. <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	5
25	Wireless Power Transfer via Topological Modes in Dimer Chains. <i>Physical Review Applied</i> , <b>2021</b> , 15,	4.3	15
24	Giant Goos-Hñchen shift with a high reflectance assisted by interface states in photonic heterostructures. <i>Physical Review A</i> , <b>2020</b> , 101,	2.6	18
23	Omnidirectional optical filtering based on two kinds of photonic band gaps with different angle-dependent properties. <i>Europhysics Letters</i> , <b>2020</b> , 129, 34004	1.6	17
22	Linear-crossing metamaterials mimicked by multi-layers with two kinds of single negative materials. <i>JPhys Photonics</i> , <b>2020</b> , 2, 011001	2.5	10

21	Hyperbolic metamaterials: From dispersion manipulation to applications. <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 071101	2.5	84
20	Circuit-Based Magnetic Hyperbolic Cavities. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	9
19	Seeing topological winding number and band inversion in photonic dimer chain of split-ring resonators. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	9
18	Experimental demonstration of the magnetic field concentration effect in circuit-based magnetic near-zero index media. <i>Optics Express</i> , <b>2020</b> , 28, 17064-17075	3.3	8
17	Effective optical nihility media realized by one-dimensional photonic crystals containing hyperbolic metamaterials. <i>Optics Express</i> , <b>2020</b> , 28, 33198-33207	3.3	4
16	Designing All-Electric Subwavelength Metasources for Near-Field Photonic Routings. <i>Physical Review Letters</i> , <b>2020</b> , 125, 157401	7.4	10
15	Observation of a Topological Edge State in the X-ray Band. <i>Laser and Photonics Reviews</i> , <b>2019</b> , 13, 1800389		19
14	Giant Enhancement of the Goos-Hänchen Shift Assisted by Quasibound States in the Continuum. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	55
13	Wide-angle ultrasensitive biosensors based on edge states in heterostructures containing hyperbolic metamaterials. <i>Optics Express</i> , <b>2019</b> , 27, 24835-24846	3.3	18
12	Experimental demonstration of angle-independent gaps in one-dimensional photonic crystals containing layered hyperbolic metamaterials and dielectrics at visible wavelengths. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 041902	3.4	28
11	Enhancement of electromagnetically induced transparency in metamaterials using long range coupling mediated by a hyperbolic material. <i>Optics Express</i> , <b>2018</b> , 26, 627-641	3.3	43
10	Experimental demonstration of the robust edge states in a split-ring-resonator chain. <i>Optics Express</i> , <b>2018</b> , 26, 12891-12902	3.3	20
9	Actively Controlling the Topological Transition of Dispersion Based on Electrically Controllable Metamaterials. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 596	2.6	20
8	Asymmetric topological edge states in a quasiperiodic Harper chain composed of split-ring resonators. <i>Optics Letters</i> , <b>2018</b> , 43, 5142-5145	3	17
7	Focusing and Super-Resolution with Partial Cloaking Based on Linear-Crossing Metamaterials. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	20
6	Redshift gaps in one-dimensional photonic crystals containing hyperbolic metamaterials. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	52
5	Significant enhancement of magneto-optical effect in one-dimensional photonic crystals with a magnetized epsilon-near-zero defect. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 103104	2.5	23
4	Topological LC-circuits based on microstrips and observation of electromagnetic modes with orbital angular momentum. <i>Nature Communications</i> , <b>2018</b> , 9, 4598	17.4	46

3	Photonic Spin Hall Effect in Waveguides Composed of Two Types of Single-Negative Metamaterials. <i>Scientific Reports</i> , <b>2017</b> , 7, 7742	4.9	30
2	Loss-induced topological transition of dispersion in metamaterials. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 203102	2.5	25
1	Valley-dependent beams controlled by pseudomagnetic field in distorted photonic graphene. <i>Optics Letters</i> , <b>2015</b> , 40, 3380-3	3	14