Zhiwei Guo

List of Publications by Citations

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	Hyperbolic metamaterials: From dispersion manipulation to applications. *Journal of Applied Physics*, **2020**, 127, 071101	2.5	84
37	Giant Enhancement of the Goos-H□chen Shift Assisted by Quasibound States in the Continuum. *Physical Review Applied*, **2019**, 12,	4.3	55
36	Redshift gaps in one-dimensional photonic crystals containing hyperbolic metamaterials. *Physical Review Applied*, **2018**, 10,	4.3	52
35	Topological LC-circuits based on microstrips and observation of electromagnetic modes with orbital angular momentum. *Nature Communications*, **2018**, 9, 4598	17.4	46
34	Enhancement of electromagnetically induced transparency in metamaterials using long range coupling mediated by a hyperbolic material. *Optics Express*, **2018**, 26, 627-641	3.3	43
33	Photonic Spin Hall Effect in Waveguides Composed of Two Types of Single-Negative Metamaterials. *Scientific Reports*, **2017**, 7, 7742	4.9	30
32	Experimental demonstration of angle-independent gaps in one-dimensional photonic crystals containing layered hyperbolic metamaterials and dielectrics at visible wavelengths. *Applied Physics Letters*, **2018**, 112, 041902	3.4	28
31	Loss-induced topological transition of dispersion in metamaterials. *Journal of Applied Physics*, **2016**, 119, 203102	2.5	25
30	Significant enhancement of magneto-optical effect in one-dimensional photonic crystals with a magnetized epsilon-near-zero defect. *Journal of Applied Physics*, **2018**, 124, 103104	2.5	23
29	Experimental demonstration of the robust edge states in a split-ring-resonator chain. *Optics Express* , **2018**, 26, 12891-12902	3.3	20
28	Actively Controlling the Topological Transition of Dispersion Based on Electrically Controllable Metamaterials. *Applied Sciences (Switzerland)*, **2018**, 8, 596	2.6	20
27	Focusing and Super-Resolution with Partial Cloaking Based on Linear-Crossing Metamaterials. *Physical Review Applied*, **2018**, 10,	4.3	20
26	Observation of a Topological Edge State in the X-ray Band. *Laser and Photonics Reviews*, **2019**, 13, 1800389	9.3	19
25	Giant Goos-H□chen shift with a high reflectance assisted by interface states in photonic heterostructures. *Physical Review A*, **2020**, 101,	2.6	18
24	Wide-angle ultrasensitive biosensors based on edge states in heterostructures containing hyperbolic metamaterials. *Optics Express*, **2019**, 27, 24835-24846	3.3	18
23	Omnidirectional optical filtering based on two kinds of photonic band gaps with different angle-dependent properties. *Europhysics Letters*, **2020**, 129, 34004	1.6	17
22	Asymmetric topological edge states in a quasiperiodic Harper chain composed of split-ring resonators. *Optics Letters*, **2018**, 43, 5142-5145	3	17

21	Anomalous unidirectional excitation of high-k hyperbolic modes using all-electric metasources. *Advanced Photonics*, **2021**, 3,	8.1	15
20	Wireless Power Transfer via Topological Modes in Dimer Chains. *Physical Review Applied*, **2021**, 15,	4.3	15
19	Valley-dependent beams controlled by pseudomagnetic field in distorted photonic graphene. *Optics Letters*, **2015**, 40, 3380-3	3	14
18	Linear-crossing metamaterials mimicked by multi-layers with two kinds of single negative materials. *JPhys Photonics*, **2020**, 2, 011001	2.5	10
17	Designing All-Electric Subwavelength Metasources for Near-Field Photonic Routings. *Physical Review Letters*, **2020**, 125, 157401	7.4	10
16	Circuit-Based Magnetic Hyperbolic Cavities. *Physical Review Applied*, **2020**, 13,	4.3	9
15	Seeing topological winding number and band inversion in photonic dimer chain of split-ring resonators. *Physical Review B*, **2020**, 101,	3.3	9
14	Sensitivity of topological edge states in a non-Hermitian dimer chain. *Photonics Research*, **2021**, 9, 574	6	9
13	Experimental demonstration of the magnetic field concentration effect in circuit-based magnetic near-zero index media. *Optics Express*, **2020**, 28, 17064-17075	3.3	8
12	Zero-index and hyperbolic metacavities: fundamentals and applications. *Journal Physics D: Applied Physics*, **2022**, 55, 083001	3	6
11	Ultra-sensitive passive wireless sensor exploiting high-order exceptional point for weakly coupling detection. *New Journal of Physics*, **2021**, 23, 063008	2.9	5
10	Actively controlled asymmetric edge states for directional wireless power transfer. *Optics Express*, **2021**, 29, 7844-7857	3.3	5
9	Observation of topological bound states in a double Su-Schrieffer-Heeger chain composed of split ring resonators. *Physical Review Research*, **2021**, 3,	3.9	5
8	Effective optical nihility media realized by one-dimensional photonic crystals containing hyperbolic metamaterials. *Optics Express*, **2020**, 28, 33198-33207	3.3	4
7	Abnormal Wave Propagation in Tilted Linear-Crossing Metamaterials. *Advanced Photonics Research*, **2021**, 2, 2000071	1.9	4
6	Omnidirectional nonreciprocal absorber realized by the magneto-optical hypercrystal.. *Optics Express*, **2022**, 30, 12104-12119	3.3	4
5	Miniaturized Backward Coupler Realized by the Circuit-Based Planar Hyperbolic Waveguide. *Advanced Photonics Research*, **2021**, 2, 2100035	1.9	2
4	Significant enhancement of magnetic shielding effect by using the composite metamaterial composed of mu-near-zero media and ferrite. *EPJ Applied Metamaterials*, **2021**, 8, 13	0.8	2

3	Rotation controlled topological edge states in a trimer chain composed of meta-atoms. *New Journal of Physics*, **2022**, 24, 063001	2.9	1
2	Reconfigurable magnetic near-field distributions based on the coding metasurfaces in MHz band. *Optics Express*, **2021**, 29, 13908-13924	3.3	0
1	Ultra-broadband near-field magnetic shielding realized by the Halbach-like structure. *Applied Physics Letters*, **2022**, 120, 192201	3.4	