Zhaojian Zhang

List of Publications by Year
in descending order

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58	1,031	471061	454577
papers	citations	17	30
		h-index	g-index

61	61	61	743
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Collective topological corner modes in all-dielectric photonic crystal supercell arrays. Optics Letters, 2022, 47, 1642.	1.7	3
2	Topological multipolar corner state in a supercell metasurface and its interplay with two-dimensional materials. Photonics Research, 2022, 10, 855.	3.4	13
3	Tailoring bound states in the continuum in symmetric photonic crystal slabs by coupling strengths. Optics Express, 2022, 30, 8049.	1.7	7
4	Ultra-compact, efficient and high-polarization-extinction-ratio polarization beam splitters based on photonic anisotropic metamaterials. Optics Express, 2022, 30, 538.	1.7	27
5	Tunable mid-infrared selective emitter based on inverse design metasurface for infrared stealth with thermal management. Optics Express, 2022, 30, 18250.	1.7	20
6	Tunable Infrared Detection, Radiative Cooling and Infrared-Laser Compatible Camouflage Based on a Multifunctional Nanostructure with Phase-Change Material. Nanomaterials, 2022, 12, 2261.	1.9	4
7	Controlled and tunable plasmon-induced transparency based on graphene metasurfaces in atmospheric windows. Diamond and Related Materials, 2022, 127, 109210.	1.8	5
8	Hybridization-induced resonances with high-quality factor in a plasmonic chipscale ring-disk nanocavity. Waves in Random and Complex Media, 2021, 31, 2327-2336.	1.6	5
9	Infrared Plasmonic Sensing with Anisotropic Two-Dimensional Material Borophene. Nanomaterials, 2021, 11, 1165.	1.9	20
10	Metasurface Based on Inverse Design for Maximizing Solar Spectral Absorption. Advanced Optical Materials, 2021, 9, 2100575.	3.6	42
11	Inverse-designed single-mode and multi-mode nanophotonic waveguide switches based on hybrid silicon-Ge2Sb2Te5 platform. Results in Physics, 2021, 26, 104384.	2.0	9
12	Design of a SOI-based quantum interferometer with ultralow fiber-to-fiber insertion loss. Optics Communications, 2021, 493, 126814.	1.0	0
13	Lattice topological edge and corner modes of photonic crystal slabs. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.0	9
14	Implementation of radiative cooling with an inverse-designed selective emitter. Optics Communications, 2021, 497, 127209.	1.0	3
15	Polarization-insensitive ultra-short waveguide taper. Optics Letters, 2021, 46, 5027.	1.7	6
16	Ultra-confined low-loss surface phonon polaritonic resonances in periodically patterned monolayer hexagonal boron nitride. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 134, 114897.	1.3	1
17	Ultra-Compact and Ultra-Broadband Polarization-Insensitive Machâ€“Zehnder Interferometer in Silicon-on-Insulator Platform for Quantum Internet Application. Photonics, 2021, 8, 455.	0.9	2
18	Optical Pulling Using Chiral Metalens as a Photonic Probe. Nanomaterials, 2021, 11, 3376.	1.9	4

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19	Implementation of on-chip multi-channel focusing wavelength demultiplexer with regularized digital metamaterials. Nanophotonics, 2020, 9, 159-166.	2.9	57
20	Direct Coupling Strategy in Plasmonic Nanocircuits for Low Loss and Easy Fabrication. Plasmonics, 2020, 15, 761-767.	1.8	5
21	Image representation of structure color based on edge detection algorithm. Results in Physics, 2020, 19, 103441.	2.0	5
22	Numerical Study of a Polarization Selective Visual Optical Switch. Applied Sciences (Switzerland), 2020, 10, 5246.	1.3	0
23	Double Electromagnetically Induced Transparency and Its Slow Light Application Based on a Guided-Mode Resonance Grating Cascade Structure. Materials, 2020, 13, 3710.	1.3	11
24	Plasmonics Induced Multifunction Optical Device via Hoof-Shaped Subwavelength Structure. Applied Sciences (Switzerland), 2020, 10, 2713.	1.3	4
25	Double Spectral Electromagnetically Induced Transparency Based on Double-Bar Dielectric Grating and Its Sensor Application. Applied Sciences (Switzerland), 2020, 10, 3033.	1.3	13
26	A Triple-Band Hybridization Coherent Perfect Absorber Based on Graphene Metamaterial. Applied Sciences (Switzerland), 2020, 10, 1750.	1.3	16
27	Actively tunable terahertz electromagnetically induced transparency analogue based on vanadium-oxide-assisted metamaterials. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	25
28	Tunable plasmon-induced transparency and slow light in terahertz chipscale semiconductor plasmonic waveguides. Journal Physics D: Applied Physics, 2020, 53, 315101.	1.3	12
29	Tunable multilayer-graphene-based broadband metamaterial selective absorber. Applied Optics, 2020, 59, 11137.	0.9	7
30	Dual-channel optical switch, refractive index sensor and slow light device based on a graphene metasurface. Optics Express, 2020, 28, 34079.	1.7	52
31	Tunable, angle and polarization-insensitive broadband absorber. , 2020, , .		0
32	Continuously tunable metasurfaces controlled by single electrode uniform bias-voltage based on nonuniform periodic rectangular graphene arrays. Optics Express, 2020, 28, 29306.	1.7	15
33	The novel graphene metasurfaces based on split-ring resonators for tunable polarization switching and beam steering at terahertz frequencies. Carbon, 2019, 154, 350-356.	5.4	50
34	Tunable Duplex Metalens Based on Phase-Change Materials in Communication Range. Nanomaterials, 2019, 9, 993.	1.9	31
35	A plasmonic ellipse resonator possessing hybrid modes for ultracompact chipscale application. Physica Scripta, 2019, 94, 125511.	1.2	10
36	Plasmon-induced light absorption in mid-infrared based on hexagonal-shape graphene. Materials Research Express, 2019, 6, 125602.	0.8	1

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37	Multiband notch filter based guided-mode resonance for mid-infrared spectroscopy. Optics Communications, 2019, 445, 64-68.	1.0	7
38	Tunable Graphene-Based Plasmon-Induced Transparency Based on Edge Mode in the Mid-Infrared Region. Nanomaterials, 2019, 9, 448.	1.9	11
39	Near-infrared tunable metalens based on phase change material Ge2Sb2Te5. Scientific Reports, 2019, 9, 5368.	1.6	57
40	Actively Tunable Metalens Array Based on Patterned Phase Change Materials. Applied Sciences (Switzerland), 2019, 9, 4927.	1.3	13
41	Chipscale plasmonic modulators and switches based on metalâ€“insulatorâ€“metal waveguides with Ge2Sb2Te5. Journal of Nanophotonics, 2019, 13, 1.	0.4	7
42	All-optical switch and logic gates based on hybrid silicon-Ge₂Sb₂Te₅ metasurfaces. Applied Optics, 2019, 58, 7392.	0.9	25
43	High quality factor electromagnetically induced transparency-like effect in coupled guided-mode resonant systems. Optics Express, 2019, 27, 7712.	1.7	18
44	Plasmonic triple-wavelength demultiplexing structure based on metal-insulator-metal waveguides side-coupled with nanoring cavities. Hongwai Yu Jiguang Gongcheng/Infrared and Laser Engineering, 2019, 48, 221001.	0.1	0
45	Tunable subwavelength slit lenses based on the manipulation of refractive index of medium. , 2019, , .		0
46	Optical absorption of suspended graphene based metal plasmonic grating in the visible range. Materials Research Express, 2018, 5, 055801.	0.8	7
47	All-optical multi-channel switching at telecommunication wavelengths based on tunable plasmon-induced transparency. Optics Communications, 2018, 425, 196-203.	1.0	43
48	Sub-wavenumber linewidth mid-infrared notch filter enabled by a dual-period plasmonic structure. Optics Communications, 2018, 428, 152-156.	1.0	3
49	Ultra-compact broadband polarization beam splitter with strong expansibility. Photonics Research, 2018, 6, 574.	3.4	59
50	Plasmonic Filter and Demultiplexer Based on Square Ring Resonator. Applied Sciences (Switzerland), 2018, 8, 462.	1.3	32
51	Plasmon-induced transparency based on aperture-coupled cascade resonators without gap. Superlattices and Microstructures, 2018, 123, 138-143.	1.4	11
52	Plasmonic Refractive Index Sensor with High Figure of Merit Based on Concentric-Rings Resonator. Sensors, 2018, 18, 116.	2.1	139
53	Active Enhancement of Slow Light Based on Plasmon-Induced Transparency with Gain Materials. Materials, 2018, 11, 941.	1.3	14
54	Active control of broadband plasmon-induced transparency in a terahertz hybrid metalâ€“graphene metamaterial. RSC Advances, 2018, 8, 27746-27753.	1.7	26

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55	Section 1Tunable broadband terahertz absorbers based on multiple layers of graphene ribbons. Scientific Reports, 2017, 7, 15836.	1.6	42
56	Polarization modulation based on the hybrid waveguide of graphene sandwiched structure. Europhysics Letters, 2017, 119, 54001.	0.7	3
57	Ultra-compact beam splitter and filter based on a graphene plasmon waveguide. Applied Optics, 2017, 56, 9814.	0.9	18
58	Gold reflective metallic gratings with high absorption efficiency. , 2017, , .		0