

# Binbin

## List of Publications by Year in descending order

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86  
papers

684  
citations

759055

12  
h-index

677027

22  
g-index

86  
all docs

86  
docs citations

86  
times ranked

588  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed real-time rendering for ultrahigh-resolution multiscreen 3D display. Journal of the Society for Information Display, 2022, 30, 244-255.	0.8	4
2	Ge <sub>20</sub> Sb <sub>15</sub> Se <sub>65</sub> glass-based ultra-bandwidth X-shaped dual-core photonic crystal fiber polarization beam splitter with an air hole filled gold rod. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 1580.	0.9	6
3	Design of a compressed hexagonal dual-core photonic crystal fiber polarization beam splitter with a liquid crystal filled air hole. Optical Engineering, 2022, 61, .	0.5	5
4	Real-time dense-view imaging for three-dimensional light-field display based on image color calibration and self-supervised view synthesis. Optics Express, 2022, 30, 22260.	1.7	11
5	Design of Photonic Crystal Fiber Refractive Index Sensor Based on Surface Plasmon Resonance Effect for the Dual-Wavebands Measurement. Fiber and Integrated Optics, 2021, 40, 263-275.	1.7	5
6	Design of polarization beam splitter based on dual-core photonic crystal fiber with three layers of elliptical air holes. Optical Engineering, 2021, 60, .	0.5	11
7	Polarization Beam Splitter Based on the Gold Wire-Filled Dual-Core Photonic Crystal Fiber at the Communication Wavelengths. Fiber and Integrated Optics, 2021, 40, 70-83.	1.7	7
8	A Novel Gold Film-Coated V-Shape Dual-Core Photonic Crystal Fiber Polarization Beam Splitter Covering the E + S + C + L + U Band. Sensors, 2021, 21, 496.	2.1	10
9	Real-time Super High Resolution Light Field Rendering with Multi-GPU Scheduling. , 2021, , .		0
10	Real-time computer-generated integral image based on GPU-driven cross perspective rendering pipeline. Optical Engineering, 2021, 60, .	0.5	1
11	A full-parallax tabletop three dimensional light-field display with high viewpoint density and large viewing angle based on space-multiplexed voxel screen. Optics Communications, 2021, 488, 126757.	1.0	7
12	Depth of field analysis for a three-dimensional light-field display based on a lens array and a holographic function screen. Optics Communications, 2021, 493, 127032.	1.0	8
13	Simple structure dual-core photonic crystal fiber polarization beam splitter covering the O+E+S+C+L+U band based on the surface plasmon resonance effect. Journal of the Optical Society of America B: Optical Physics, 2021, 38, F50.	0.6	6
14	3D light-field display with increased viewing angle and optimized viewpoint distribution based on ladder compound lenticular lens unit. Optics Express, 2021, 29, 34035-34050.	1.7	10
15	Reduction of pixel deviation effect in three-dimensional light-field display based on the fitting algorithm with dense-viewpoints. Optics Communications, 2021, 499, 127269.	1.0	2
16	Real-time pre-rectification of aberrations for 3D light-field display based on a constructed virtual lens and ray path tracing. Optics Communications, 2021, 499, 127292.	1.0	2
17	Cascaded-tapered silica photonic crystal fiber for supercontinuum generation. Optical Engineering, 2021, 59, .	0.5	2
18	Self-Supervised Learning of Monocular Depth Estimation Based on Progressive Strategy. IEEE Transactions on Computational Imaging, 2021, 7, 375-383.	2.6	4

#	ARTICLE	IF	CITATIONS
19	CS <sub>2</sub> -Filled Solid-Core Photonic Crystal Fiber for Temperature Sensing Based on Photonic Bandgap Effect. , 2021, , .		0
20	A novel photonic crystal fiber refractive index sensor based on surface plasmon resonance effect with wide detection range. , 2021, , .		1
21	A Broadband Polarization Beam Splitter Based on Compressed Hexagonal Structure and Liquid Crystal-Filled Dual-Core Photonic Crystal Fiber. , 2021, , .		0
22	Real-time optical reconstruction for a three-dimensional light-field display based on path-tracing and CNN super-resolution. Optics Express, 2021, 29, 37862.	1.7	13
23	Highly coherent and multi-octave mid-infrared supercontinuum generations in a reverse-strip AlGaAs waveguide with three zero-dispersion wavelengths. Applied Optics, 2021, 60, 9994.	0.9	1
24	A Novel Liquid Crystal-Filled, Dual-Core Photonic Crystal Fiber Polarization Beam Splitter Covering the E + S + C + L + U Communication Band. Photonics, 2021, 8, 461.	0.9	11
25	Interference-Fading-Suppressed Pulse-Coding $\hat{I}$ -OTDR Using Spectrum Extraction and Rotated-Vector-Sum Method. IEEE Photonics Journal, 2021, 13, 1-6.	1.0	13
26	Improvement of a floating 3D light field display based on a telecentric retroreflector and an optimized 3D image source. Optics Express, 2021, 29, 40125.	1.7	8
27	Automatic parameters measurement of lenticular-lens array for autostereoscopic three-dimensional display based on deep reinforcement learning. Optical Engineering, 2021, 60, .	0.5	0
28	Hollow-Core Negative Curvature Fiber with High Birefringence for Low Refractive Index Sensing Based on Surface Plasmon Resonance Effect. Sensors, 2020, 20, 6539.	2.1	29
29	Ionizing Radiation Effect upon Er/Yb Co-Doped Fibre Made by In-Situ Nano Solution Doping. Journal of Lightwave Technology, 2020, 38, 6334-6344.	2.7	2
30	Mid-Infrared Supercontinuum and Frequency Comb Generations by Different Optical Modes in a Multimode Chalcogenide Strip Waveguide. IEEE Access, 2020, 8, 202022-202031.	2.6	1
31	Passive Generation of the Multi-Wavelength Parabolic Pulses in Tapered Silicon Nanowires. IEEE Access, 2020, 8, 77631-77641.	2.6	1
32	Full-parallax 3D light field display with uniform view density along the horizontal and vertical direction. Optics Communications, 2020, 467, 125765.	1.0	4
33	Computational Super-Resolution Full-Parallax Three-Dimensional Light Field Display Based on Dual-Layer LCD Modulation. IEEE Access, 2020, 8, 81045-81054.	2.6	1
34	Parallel multi-view polygon rasterization for 3D light field display. Optics Express, 2020, 28, 34406.	1.7	9
35	Generation of parabolic pulse in a dispersion and nonlinearity jointly engineered silicon waveguide taper. Optics Communications, 2019, 448, 48-54.	1.0	2
36	Slow-Nonlinearity Assisted Supercontinuum Generation in a CS <sub>2</sub> -Core Photonic Crystal Fiber. IEEE Journal of Quantum Electronics, 2019, 55, 1-9.	1.0	8

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37	Self-Similar Propagation and Compression of the Parabolic Pulse in Silicon Waveguide. Journal of Lightwave Technology, 2019, , 1-1.	2.7	5
38	Efficient Spectral Compression of Wavelength-Shifting Soliton and Its Application in Integratable All-Optical Quantization. IEEE Photonics Journal, 2019, 11, 1-15.	1.0	3
39	Irreversible Photobleaching of BAC-Si in Bi/Er Co-Doped Optical Fiber under 830 nm Pumping. , 2019, , .		1
40	Real-Time Rendering Method of Depth-Image-Based Multiple Reference Views for Integral Imaging Display. IEEE Access, 2019, 7, 170545-170552.	2.6	7
41	Temperature Self-Compensated Refractive Index Sensor Based on Fiber Bragg Grating and the Ellipsoid Structure. Sensors, 2019, 19, 5211.	2.1	9
42	A Quantization Scheme by Slicing Supercontinuum Spectrum in an All-Normal Dispersion Silicon Nitride Ridge Waveguide. , 2019, , .		0
43	Enhanced Photoluminescence of Bi/Er Co-doped Fiber by Quenching and Cooling under 830 nm Pumping. , 2019, , .		0
44	Supercontinuum Generation in Cascaded Photonic Crystal Fiber Tapers. , 2019, , .		0
45	360-degree tabletop 3D light-field display with ring-shaped viewing range based on aspheric conical lens array. Optics Express, 2019, 27, 26738.	1.7	22
46	Atomic Structures and Electronic States of Divalent Bismuth in Bi-Doped Silica Optical Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-5.	1.9	6
47	Microdisk Resonator With Negative Thermal Optical Coefficient Polymer for Refractive Index Sensing With Thermal Stability. IEEE Photonics Journal, 2018, 10, 1-12.	1.0	4
48	Influence of Ring Structures on Optical Properties of Trivalent Bismuth in Bi-Doped Silica Optical Fiber. Journal of Cluster Science, 2018, 29, 861-865.	1.7	10
49	Development of Bi/Er co-doped optical fibers for ultra-broadband photonic applications. Frontiers of Optoelectronics, 2018, 11, 37-52.	1.9	22
50	Thermal Properties of Luminescence in Bismuth/Erbium Co-Doped Optical Fibre. , 2018, , .		1
51	Spectral Compression of Mid-Infrared Pulse in a Suspended Silicon Waveguide Taper. , 2018, , .		0
52	Highly Coherent and Octave-Spanning Supercontinuum and Frequency Comb Generation in Germanium Waveguide with All-Normal Dispersion. , 2018, , .		0
53	Experimental Demonstration of 3-bit All-optical Quantization Based on Slicing Supercontinuum Spectrum. , 2018, , .		0
54	Simultaneous Vector Bend and Temperature Sensing Based on a Polymer and Silica Optical Fibre Grating Pair. Sensors, 2018, 18, 3507.	2.1	6

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55	Temperature Dependence of Cutoff Wavelength in Bi/Er Co-Doped Fiber. , 2018, , .		0
56	Mid-Infrared Self-Similar Pulse Compression in a Tapered Tellurite Photonic Crystal Fiber and Its Application in Supercontinuum Generation. Journal of Lightwave Technology, 2018, 36, 3514-3521.	2.7	13
57	Aberration improvement of the floating 3D display system based on Tessar array and directional diffuser screen. Optical Review, 2018, 25, 500-508.	1.2	3
58	All-optical differential equation solver with tunable constant-coefficient based on inverse Raman scattering effect in a silicon microring resonator. Optical Engineering, 2018, 57, 1.	0.5	3
59	Ionising Radiation Induced Effects on Bismuth/Erbium Co-Doped Optical Fibres. , 2018, , .		1
60	High Sensitivity Ammonia Gas Sensor Based on a Silica-Gel-Coated Microfiber Coupler. Journal of Lightwave Technology, 2017, 35, 2864-2870.	2.7	33
61	Deep-ultraviolet second-harmonic generation by combined degenerate four-wave mixing and surface nonlinearity polarization in photonic crystal fiber. Scientific Reports, 2017, 7, 9224.	1.6	2
62	High-efficient rendering of the multi-view image for the three-dimensional display based on the backward ray-tracing technique. Optics Communications, 2017, 405, 306-311.	1.0	12
63	Mid-Infrared Octave-Spanning Supercontinuum and Frequency Comb Generation in a Suspended Germanium-Membrane Ridge Waveguide. Journal of Lightwave Technology, 2017, 35, 2994-3002.	2.7	46
64	Comprehensive analysis of passive generation of parabolic similaritons in tapered hydrogenated amorphous silicon photonic wires. Scientific Reports, 2017, 7, 3814.	1.6	8
65	Highly Sensitive Biochemical Sensor Based on Two-Layer Dielectric Loaded Plasmonic Microring Resonator. Plasmonics, 2017, 12, 1417-1424.	1.8	4
66	Multiplexing technique using tandem optical single-sideband modulation, orthogonal multiplexing and DSP-assisted coherent detection. , 2017, , .		0
67	Mid-infrared self-similar pulse compression of picosecond pulse in a ridge silicon waveguide taper. , 2017, , .		0
68	Vector bend sensing based on polymer and silica fiber Bragg gratings. , 2017, , .		0
69	High-efficient computer-generated integral imaging based on the backward ray-tracing technique and optical reconstruction. Optics Express, 2017, 25, 330.	1.7	65
70	Fabrication of Polymer Optical Fibre (POF) Gratings. Sensors, 2017, 17, 511.	2.1	48
71	Multi-octave mid-infrared supercontinuum generation in dispersion-engineered AlGaAs-based strip waveguides. , 2016, , .		1
72	Investigation of Humidity and Temperature Response of a Silica Gel Coated Microfiber Coupler. IEEE Photonics Journal, 2016, 8, 1-7.	1.0	25

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73	On-chip integratable all-optical quantizer using strong cross-phase modulation in a silicon-organic hybrid slot waveguide. Scientific Reports, 2016, 6, 19528.	1.6	11
74	Optical microfiber-loaded surface plasmonic TE-pass polarizer. Optics and Laser Technology, 2016, 78, 101-105.	2.2	9
75	Degenerate Four-Wave Mixing-Based Light Source for CARS Microspectroscopy. IEEE Photonics Technology Letters, 2016, 28, 763-766.	1.3	6
76	Generation of Second-Harmonics Near Ultraviolet Wavelengths From Femtosecond Pump Pulses. IEEE Photonics Technology Letters, 2016, 28, 1719-1722.	1.3	4
77	Natural three-dimensional display with high quality of reconstructed images based on dense sampling. Optik, 2015, 126, 4605-4607.	1.4	6
78	A comprehensive theoretical model for on-chip microring-based photonic fractional differentiators. Scientific Reports, 2015, 5, 14216.	1.6	16
79	Generation of visible wavelength by the phase-matching four-wave mixing in an Yb-doped V-shape photonic crystal fiber. Applied Physics B: Lasers and Optics, 2015, 120, 117-122.	1.1	0
80	Strong Modulation Instability in a Silicon-Organic Hybrid Slot Waveguide. IEEE Photonics Journal, 2015, 7, 1-8.	1.0	3
81	A large depth of field frontal multi-projection three-dimensional display with uniform light field distribution. Optics Communications, 2015, 354, 321-329.	1.0	11
82	Natural three-dimensional display with smooth motion parallax using active partially pixelated masks. Optics Communications, 2014, 313, 146-151.	1.0	24
83	Recent development of new active optical fibres for broadband photonic applications. , 2013, , .		9
84	Anti-Stokes signal conversion of femtosecond pulses at near-ultraviolet wavelength in photonic crystal fibre. Electronics Letters, 2013, 49, 1348-1350.	0.5	0
85	Widely Wavelength-Tunable Two-Colored Solitons and Small Spectral Component for Broadband Mid-Infrared Wavelength Generation in a Highly Birefringent Photonic Crystal Fiber. IEEE Photonics Technology Letters, 2012, 24, 670-672.	1.3	19
86	High stable single-polarization tunable fiber laser based on Opto-DMD processor and polarization-maintaining fiber devices. Laser Physics, 2012, 22, 1833-1836.	0.6	1