Binbin

List of Publications by Year
in descending order

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86	684	759055 12	677027 22
papers	citations	h-index	g-index

86	86	86	588
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-efficient computer-generated integral imaging based on the backward ray-tracing technique and optical reconstruction. Optics Express, 2017, 25, 330.	1.7	65
2	Fabrication of Polymer Optical Fibre (POF) Gratings. Sensors, 2017, 17, 511.	2.1	48
3	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
4	High Sensitivity Ammonia Gas Sensor Based on a Silica-Gel-Coated Microfiber Coupler. Journal of Lightwave Technology, 2017, 35, 2864-2870.	2.7	33
5	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
6	Investigation of Humidity and Temperature Response of a Silica Gel Coated Microfiber Coupler. IEEE Photonics Journal, 2016, 8, 1-7.	1.0	25
7	Natural three-dimensional display with smooth motion parallax using active partially pixelated masks. Optics Communications, 2014, 313, 146-151.	1.0	24
8	Development of Bi/Er co-doped optical fibers for ultra-broadband photonic applications. Frontiers of Optoelectronics, 2018, 11, 37-52.	1.9	22
9	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
10	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
11	A comprehensive theoretical model for on-chip microring-based photonic fractional differentiators. Scientific Reports, 2015, 5, 14216.	1.6	16
12	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
13	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
14	Interference-Fading-Suppressed Pulse-Coding Î¦-OTDR Using Spectrum Extraction and Rotated-Vector-Sum Method. IEEE Photonics Journal, 2021, 13, 1-6.	1.0	13
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	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
24	Recent development of new active optical fibres for broadband photonic applications. , 2013, , .		9
25	Optical microfiber-loaded surface plasmonic TE-pass polarizer. Optics and Laser Technology, 2016, 78, 101-105.	2.2	9
26	Temperature Self-Compensated Refractive Index Sensor Based on Fiber Bragg Grating and the Ellipsoid Structure. Sensors, 2019, 19, 5211.	2.1	9
27	Parallel multi-view polygon rasterization for 3D light field display. Optics Express, 2020, 28, 34406.	1.7	9
28	Comprehensive analysis of passive generation of parabolic similaritons in tapered hydrogenated amorphous silicon photonic wires. Scientific Reports, 2017, 7, 3814.	1.6	8
29	Slow-Nonlinearity Assisted Supercontinuum Generation in a CS₂-Core Photonic Crystal Fiber. IEEE Journal of Quantum Electronics, 2019, 55, 1-9.	1.0	8
30	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
31	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
32	Real-Time Rendering Method of Depth-Image-Based Multiple Reference Views for Integral Imaging Display. IEEE Access, 2019, 7, 170545-170552.	2.6	7
33	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
34	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
35	Natural three-dimensional display with high quality of reconstructed images based on dense sampling. Optik, 2015, 126, 4605-4607.	1.4	6
36	Degenerate Four-Wave Mixing-Based Light Source for CARS Microspectroscopy. IEEE Photonics Technology Letters, 2016, 28, 763-766.	1.3	6

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37	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
38	Simultaneous Vector Bend and Temperature Sensing Based on a Polymer and Silica Optical Fibre Grating Pair. Sensors, 2018, 18, 3507.	2.1	6
39	Simple structure dual-core photonic crystal fiber polarization beam splitter covering the Oâ€‰+â€‰Eâ€‰+â€‰Sâ€‰+â€‰Câ€‰+â€‰Lâ€‰+â€‰U band based on the surface plasmon resonance effect. Journal of the Optical Society of America B: Optical Physics, 2021, 38, F50.	0.9	6
40	Ge₂₀Sb₁₅Se₆₅ 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
41	Self-Similar Propagation and Compression of the Parabolic Pulse in Silicon Waveguide. Journal of Lightwave Technology, 2019, , 1-1.	2.7	5
42	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
43	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
44	Generation of Second-Harmonics Near Ultraviolet Wavelengths From Femtosecond Pump Pulses. IEEE Photonics Technology Letters, 2016, 28, 1719-1722.	1.3	4
45	Highly Sensitive Biochemical Sensor Based on Two-Layer Dielectric Loaded Plasmonic Microring Resonator. Plasmonics, 2017, 12, 1417-1424.	1.8	4
46	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
47	Full-parallax 3D light field display with uniform view density along the horizontal and vertical direction. Optics Communications, 2020, 467, 125765.	1.0	4
48	Self-Supervised Learning of Monocular Depth Estimation Based on Progressive Strategy. IEEE Transactions on Computational Imaging, 2021, 7, 375-383.	2.6	4
49	Distributed realâ€time rendering for ultrahighâ€resolution multiscreen 3D display. Journal of the Society for Information Display, 2022, 30, 244-255.	0.8	4
50	Strong Modulation Instability in a Siliconâ€“Organic Hybrid Slot Waveguide. IEEE Photonics Journal, 2015, 7, 1-8.	1.0	3
51	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
52	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
53	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
54	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

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55	Generation of parabolic pulse in a dispersion and nonlinearity jointly engineered silicon waveguide taper. Optics Communications, 2019, 448, 48-54.	1.0	2
56	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
57	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
58	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
59	Cascaded-tapered silica photonic crystal fiber for supercontinuum generation. Optical Engineering, 2021, 59, .	0.5	2
60	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
61	Multi-octave mid-infrared supercontinuum generation in dispersion-engineered AlGaAs-based strip waveguides. , 2016, , .		1
62	Thermal Properties of Luminescence in Bismuth/Erbium Co-Doped Optical Fibre. , 2018, , .		1
63	Irreversible Photobleaching of BAC-Si in Bi/Er Co-Doped Optical Fiber under 830 nm Pumping. , 2019, , .		1
64	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
65	Passive Generation of the Multi-Wavelength Parabolic Pulses in Tapered Silicon Nanowires. IEEE Access, 2020, 8, 77631-77641.	2.6	1
66	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
67	Real-time computer-generated integral image based on GPU-driven cross perspective rendering pipeline. Optical Engineering, 2021, 60, .	0.5	1
68	A novel photonic crystal fiber refractive index sensor based on surface plasmon resonance effect with wide detection range. , 2021, , .		1
69	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
70	Ionising Radiation Induced Effects on Bismuth/Erbium Co-Doped Optical Fibres. , 2018, , .		1
71	Antiâ€Stokes signal conversion of femtosecond pulses at nearâ€ultraviolet wavelength in photonic crystal fibre. Electronics Letters, 2013, 49, 1348-1350.	0.5	0
72	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

#	ARTICLE	IF	CITATIONS
73	Multiplexing technique using tandem optical single-sideband modulation, orthogonal multiplexing and DSP-assisted coherent detection. , 2017, , .		0
74	Mid-infrared self-similar pulse compression of picosecond pulse in a ridge silicon waveguide taper. , 2017, , .		0
75	Vector bend sensing based on polymer and silica fiber Bragg gratings. , 2017, , .		0
76	Spectral Compression of Mid-infrared Pulse in a Suspended Silicon Waveguide Taper. , 2018, , .		0
77	Highly Coherent and Octave-Spanning Supercontinuum and Frequency Comb Generation in Germanium Waveguide with All-Normal Dispersion. , 2018, , .		0
78	Experimental Demonstration of 3-bit All-optical Quantization Based on Slicing Supercontinuum Spectrum. , 2018, , .		0
79	Temperature Dependence of Cutoff Wavelength in Bi/Er Co-Doped Fiber. , 2018, , .		0
80	A Quantization Scheme by Slicing Supercontinuum Spectrum in an All-Normal Dispersion Silicon Nitride Ridge Waveguide. , 2019, , .		0
81	Enhanced Photoluminescence of Bi/Er Co-doped Fiber by Quenching and Cooling under 830 nm Pumping. , 2019, , .		0
82	Supercontinuum Generation in Cascaded Photonic Crystal Fiber Tapers. , 2019, , .		0
83	Real-time Super High Resolution Light Field Rendering with Multi-GPU Scheduling. , 2021, , .		0
84	CS2-Filled Solid-Core Photonic Crystal Fiber for Temperature Sensing Based on Photonic Bandgap Effect. , 2021, , .		0
85	A Broadband Polarization Beam Splitter Based on Compressed Hexagonal Structure and Liquid Crystal-Filled Dual-Core Photonic Crystal Fiber. , 2021, , .		0
86	Automatic parameters measurement of lenticular-lens array for autostereoscopic three-dimensional display based on deep reinforcement learning. Optical Engineering, 2021, 60, .	0.5	0