

Kai Guo

List of Publications by Year in descending order

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15
papers

185
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1307594

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times ranked

162
citing authors

#	ARTICLE	IF	CITATIONS
1	MoS ₂ , hybrid integrated micro-ring resonator phase shifter based on silicon nitride platform. Optics Letters, 2022, 47, 949-952.	3.3	8
2	Nonlinear optical response of inverse-designed integrated photonic devices. Optics Letters, 2022, 47, 1254.	3.3	3
3	Ultra-compact, efficient and high-polarization-extinction-ratio polarization beam splitters based on photonic anisotropic metamaterials. Optics Express, 2022, 30, 538.	3.4	27
4	Ultra-compact efficient mode converter with metamaterial structures. Infrared Physics and Technology, 2022, 125, 104200.	2.9	5
5	A Survey on the Development of Self-Organizing Maps for Unsupervised Intrusion Detection. Mobile Networks and Applications, 2021, 26, 808-829.	3.3	49
6	Design of a SOI-based quantum interferometer with ultralow fiber-to-fiber insertion loss. Optics Communications, 2021, 493, 126814.	2.1	0
7	Multichannel Photon-Pair Generation with Strong and Uniform Spectral Correlation in a Silicon Microring Resonator. Physical Review Applied, 2019, 12, .	3.8	14
8	Nonclassical Optical Bistability and Resonance-Locked Regime of Photon-Pair Sources Using Silicon Microring Resonator. Physical Review Applied, 2019, 11, .	3.8	14
9	Experimentally Validated Dispersion Tailoring in a Silicon Strip Waveguide With Alumina Thin-Film Coating. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	3
10	Toward a Realizable Design of an On-Chip Optically Driven Quantum Interferometer at Telecommunication Wavelengths. Physical Review Applied, 2018, 10, .	3.8	1
11	Experimentally validated full-vectorial model of wavelength multicasting via four-wave mixing in straight waveguides. Scientific Reports, 2018, 8, 13030.	3.3	0
12	Generation rate scaling: the quality factor optimization of microring resonators for photon-pair sources. Photonics Research, 2018, 6, 587.	7.0	18
13	Experimental Investigation on the Characteristics of All-Optical Modulation of Optical Microfiber Coupler. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	5
14	Full-vectorial propagation model and modified effective mode area of four-wave mixing in straight waveguides. Optics Letters, 2017, 42, 3670.	3.3	11
15	High coincidence-to-accidental ratio continuous-wave photon-pair generation in a grating-coupled silicon strip waveguide. Applied Physics Express, 2017, 10, 062801.	2.4	26