

Prem Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

607
citations

687363

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h-index

677142

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all docs

29
docs citations

29
times ranked

616
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable dual-channel ultra-narrowband Bragg grating filter on thin-film lithium niobate. Optics Letters, 2021, 46, 2730.	3.3	24
2	Quantum Mechatronics. Electronics (Switzerland), 2021, 10, 2483.	3.1	8
3	Tunable dual-channel integrated filters on thin-film lithium niobate with ultranarrow linewidth. , 2021, , .		0
4	Quantum-correlated photon-pair generation via cascaded nonlinearity in an ultra-compact lithium-niobate nano-waveguide. Optics Express, 2020, 28, 39963.	3.4	15
5	Quantum-Correlated Photon-Pair Generation via Cascaded Nonlinearity in a Thin-Film Lithium-Niobate Waveguide. , 2020, , .		0
6	Message from the incoming Editor-in-Chief: editorial. Optica, 2020, 7, ED2.	9.3	0
7	Two-Photon Direct Laser Writing of Inverse-Designed Free-Form Near-Infrared Polarization Beamsplitter. Advanced Optical Materials, 2019, 7, 1900513.	7.3	16
8	Generation of broadband correlated photon-pairs in short thin-film lithium-niobate waveguides. Optics Express, 2019, 27, 38521.	3.4	32
9	Inverse-Designed Broadband All-Dielectric Electromagnetic Metadevices. Scientific Reports, 2018, 8, 1358.	3.3	54
10	Inverse-designed stretchable metalens with tunable focal distance. Applied Physics Letters, 2018, 112, .	3.3	24
11	Generation of photonic entanglement in green fluorescent proteins. Nature Communications, 2017, 8, 1934.	12.8	11
12	Programmable optical waveform reshaping on a picosecond timescale. Optics Letters, 2017, 42, 951.	3.3	9
13	Multidimensional mode-separable frequency conversion for high-speed quantum communication. Optica, 2016, 3, 1300.	9.3	60
14	Broadband photon pair generation in green fluorescent proteins through spontaneous four-wave mixing. Scientific Reports, 2016, 6, 24344.	3.3	5
15	Quantum interference of independently generated telecom-band single photons. , 2014, , .		0
16	Selective Manipulation of Overlapping Quantum Modes. , 2014, , .		3
17	Erasing quantum distinguishability via single-mode filtering. Physical Review A, 2012, 86, .	2.5	8
18	Editorial Introduction to the Special Issue on Quantum Communications and Information Science. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 1545-1546.	2.9	1

#	ARTICLE	IF	CITATIONS
19	Ultra-Low-Noise Inline Fiber-Optic Phase-Sensitive Amplifier for Analog Optical Signals. , 2008, , .		7
20	Finite-difference time-domain simulation of thermal noise in open cavities. Physical Review A, 2008, 77, .	2.5	20
21	Optical Microwave Frequency Up-Conversion Via a Frequency-Doubling Optoelectronic Oscillator. IEEE Photonics Technology Letters, 2007, 19, 1726-1728.	2.5	55
22	An optoelectronic oscillator using an 850-nm VCSEL for generating low jitter optical pulses. IEEE Photonics Technology Letters, 2006, 18, 685-687.	2.5	24
23	Quantum-noise randomized ciphers. Physical Review A, 2006, 74, .	2.5	51
24	Practical Quantum Communication and Cryptography for WDM Optical Networks. AIP Conference Proceedings, 2004, , .	0.4	1
25	Photonic Technologies for Quantum Information Processing. Quantum Information Processing, 2004, 3, 215-231.	2.2	34
26	Polarization insensitive widely tunable all-optical clock recovery based on AM mode-locking of a fiber ring laser. IEEE Photonics Technology Letters, 2000, 12, 211-213.	2.5	20
27	Temporally Incoherent Twin Beams of Light. Journal of Modern Optics, 1991, 38, 815-819.	1.3	1
28	Degenerate four-wave mixing as a possible source of squeezed-state light. Physical Review A, 1984, 30, 343-353.	2.5	124
29	Practical Quantum Communications for Telecom Networks. , 0, , .		0