

# Prem Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3573457/publications.pdf>

Version: 2024-02-01

29  
papers

607  
citations

687363

13  
h-index

677142

22  
g-index

29  
all docs

29  
docs citations

29  
times ranked

616  
citing authors

#	ARTICLE	IF	CITATIONS
1	Degenerate four-wave mixing as a possible source of squeezed-state light. <i>Physical Review A</i> , 1984, 30, 343-353.	2.5	124
2	Multidimensional mode-separable frequency conversion for high-speed quantum communication. <i>Optica</i> , 2016, 3, 1300.	9.3	60
3	Optical Microwave Frequency Up-Conversion Via a Frequency-Doubling Optoelectronic Oscillator. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 1726-1728.	2.5	55
4	Inverse-Designed Broadband All-Dielectric Electromagnetic Metadevices. <i>Scientific Reports</i> , 2018, 8, 1358.	3.3	54
5	Quantum-noise randomized ciphers. <i>Physical Review A</i> , 2006, 74, .	2.5	51
6	Photonic Technologies for Quantum Information Processing. <i>Quantum Information Processing</i> , 2004, 3, 215-231.	2.2	34
7	Generation of broadband correlated photon-pairs in short thin-film lithium-niobate waveguides. <i>Optics Express</i> , 2019, 27, 38521.	3.4	32
8	An optoelectronic oscillator using an 850-nm VCSEL for generating low jitter optical pulses. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 685-687.	2.5	24
9	Inverse-designed stretchable metalens with tunable focal distance. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	24
10	Tunable dual-channel ultra-narrowband Bragg grating filter on thin-film lithium niobate. <i>Optics Letters</i> , 2021, 46, 2730.	3.3	24
11	Polarization insensitive widely tunable all-optical clock recovery based on AM mode-locking of a fiber ring laser. <i>IEEE Photonics Technology Letters</i> , 2000, 12, 211-213.	2.5	20
12	Finite-difference time-domain simulation of thermal noise in open cavities. <i>Physical Review A</i> , 2008, 77, .	2.5	20
13	Two-Photon Direct Laser Writing of Inverse-Designed Free-Form Near-Infrared Polarization Beamsplitter. <i>Advanced Optical Materials</i> , 2019, 7, 1900513.	7.3	16
14	Quantum-correlated photon-pair generation via cascaded nonlinearity in an ultra-compact lithium-niobate nano-waveguide. <i>Optics Express</i> , 2020, 28, 39963.	3.4	15
15	Generation of photonic entanglement in green fluorescent proteins. <i>Nature Communications</i> , 2017, 8, 1934.	12.8	11
16	Programmable optical waveform reshaping on a picosecond timescale. <i>Optics Letters</i> , 2017, 42, 951.	3.3	9
17	Erasing quantum distinguishability via single-mode filtering. <i>Physical Review A</i> , 2012, 86, .	2.5	8
18	Quantum Mechatronics. <i>Electronics (Switzerland)</i> , 2021, 10, 2483.	3.1	8

#	ARTICLE	IF	CITATIONS
19	Ultra-Low-Noise Inline Fiber-Optic Phase-Sensitive Amplifier for Analog Optical Signals. , 2008, , .		7
20	Broadband photon pair generation in green fluorescent proteins through spontaneous four-wave mixing. Scientific Reports, 2016, 6, 24344.	3.3	5
21	Selective Manipulation of Overlapping Quantum Modes. , 2014, , .		3
22	Temporally Incoherent Twin Beams of Light. Journal of Modern Optics, 1991, 38, 815-819.	1.3	1
23	Practical Quantum Communication and Cryptography for WDM Optical Networks. AIP Conference Proceedings, 2004, , .	0.4	1
24	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
25	Practical Quantum Communications for Telecom Networks. , 0, , .		0
26	Quantum interference of independently generated telecom-band single photons. , 2014, , .		0
27	Quantum-Correlated Photon-Pair Generation via Cascaded Nonlinearity in a Thin-Film Lithium-Niobate Waveguide. , 2020, , .		0
28	Message from the incoming Editor-in-Chief: editorial. Optica, 2020, 7, ED2.	9.3	0
29	Tunable dual-channel integrated filters on thin-film lithium niobate with ultranarrow linewidth. , 2021, , .		0