

# Christian Reimer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6242319/publications.pdf>

Version: 2024-02-01

41  
papers

3,606  
citations

471509

17  
h-index

580821

25  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2353  
citing authors

#	ARTICLE	IF	CITATIONS
1	On-chip generation of high-dimensional entangled quantum states and their coherent control. Nature, 2017, 546, 622-626.	27.8	574
2	Broadband electro-optic frequency comb generation in a lithium niobate microring resonator. Nature, 2019, 568, 373-377.	27.8	527
3	Integrated photonics on thin-film lithium niobate. Advances in Optics and Photonics, 2021, 13, 242.	25.5	503
4	Generation of multiphoton entangled quantum states by means of integrated frequency combs. Science, 2016, 351, 1176-1180.	12.6	371
5	Quantum optical microcombs. Nature Photonics, 2019, 13, 170-179.	31.4	295
6	High-dimensional one-way quantum processing implemented on d-level cluster states. Nature Physics, 2019, 15, 148-153.	16.7	204
7	Integrated frequency comb source of heralded single photons. Optics Express, 2014, 22, 6535.	3.4	187
8	Breaking voltage-bandwidth limits in integrated lithium niobate modulators using micro-structured electrodes. Optica, 2021, 8, 357.	9.3	166
9	Passively mode-locked laser with an ultra-narrow spectral width. Nature Photonics, 2017, 11, 159-162.	31.4	111
10	Cross-polarized photon-pair generation and bi-chromatically pumped optical parametric oscillation on a chip. Nature Communications, 2015, 6, 8236.	12.8	110
11	Wafer-scale low-loss lithium niobate photonic integrated circuits. Optics Express, 2020, 28, 24452.	3.4	98
12	An Integrated Low-Voltage Broadband Lithium Niobate Phase Modulator. IEEE Photonics Technology Letters, 2019, 31, 889-892.	2.5	76
13	Multifrequency sources of quantum correlated photon pairs on-chip: a path toward integrated Quantum Frequency Combs. Nanophotonics, 2016, 5, 351-362.	6.0	70
14	Practical system for the generation of pulsed quantum frequency combs. Optics Express, 2017, 25, 18940.	3.4	69
15	Customizing supercontinuum generation via on-chip adaptive temporal pulse-splitting. Nature Communications, 2018, 9, 4884.	12.8	59
16	Realization of high-dimensional frequency crystals in electro-optic microcombs. Optica, 2020, 7, 1189.	9.3	54
17	Thin-film lithium-niobate electro-optic platform for spectrally tailored dual-comb spectroscopy. Communications Physics, 2022, 5, .	5.3	37
18	Complex Quantum State Generation and Coherent Control Based on Integrated Frequency Combs. Journal of Lightwave Technology, 2019, 37, 338-344.	4.6	20

#	ARTICLE	IF	CITATIONS
19	Induced Photon Correlations Through the Overlap of Two Four-Wave Mixing Processes in Integrated Cavities. Laser and Photonics Reviews, 2020, 14, 2000128.	8.7	18
20	Generation and Processing of Complex Photon States With Quantum Frequency Combs. IEEE Photonics Technology Letters, 2019, 31, 1862-1865.	2.5	16
21	Scalable and effective multi-level entangled photon states: a promising tool to boost quantum technologies. Nanophotonics, 2021, 10, 4447-4465.	6.0	13
22	Arbitrary Phase Access for Stable Fiber Interferometers. Laser and Photonics Reviews, 2021, 15, 2000524.	8.7	9
23	Highly reconfigurable hybrid laser based on an integrated nonlinear waveguide. Optics Express, 2019, 27, 25251.	3.4	8
24	Breaking voltage-bandwidth limits in integrated lithium niobate modulators using micro-structured electrodes: erratum. Optica, 2021, 8, 1218.	9.3	5
25	Multichannel phase-sensitive amplification in a low-loss CMOS-compatible spiral waveguide. Optics Letters, 2017, 42, 4391.	3.3	4
26	Low-repetition-rate Integrated Electro-optic Frequency Comb Sources. , 2020, , .		1
27	On-Chip Kerr Broadening of an Electro-Optic Pulse Source on thin-film lithium niobate. , 2021, , .		1
28	Customizing Supercontinuum Generation Via Adaptive On-Chip Pulse Splitting. , 2019, , .		0
29	Designing Time and Frequency Entanglement for Generation of High-Dimensional Photon Cluster States. , 2020, , .		0
30	Multipartite d-level photon cluster states and practical entanglement detection through witness operators. , 2021, , .		0
31	Multipartite d-Level Two-Photon Cluster States and Their Entanglement Detection Via Feasible Witness Operators. , 2020, , .		0
32	Unambiguous Phase Retrieval in Fiber-based Interferometers. , 2020, , .		0
33	Distinct Laser Dynamics from a Single Figure-Eight Laser with an Integrated Nonlinear Waveguide. , 2020, , .		0
34	Photon correlation control in integrated quantum frequency combs. , 2020, , .		0
35	Generation and coherent manipulation of complex entangled photon states based on integrated quantum frequency combs. , 2020, , .		0
36	Induced Photon Correlations by the Superposition of Two Four-Wave Mixing Processes on a Photonic Chip. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
37	On-chip time and frequency modes for the generation and processing of complex photon states. , 2021, , .		0
38	Supporting the Quantum Photonics Supply Chain with Scalable, Fiber-Compatible Instruments. , 2021, , .		0
39	Two-photon multi-partite d-level cluster states and witness operators for their practical entanglement detection. , 2021, , .		0
40	Telecom-compatible, on-chip generation and processing of complex photon states in time and frequency. , 2022, , .		0
41	User-friendly, reconfigurable all-optical signal processing with integrated photonics. , 2022, , .		0