

# Tomoyuki Horikiri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8408699/publications.pdf>

Version: 2024-02-01

32  
papers

482  
citations

758635

12  
h-index

676716

22  
g-index

32  
all docs

32  
docs citations

32  
times ranked

504  
citing authors

#	ARTICLE	IF	CITATIONS
1	BCS Wave-Function Approach to the BEC-BCS Crossover of Exciton-Polariton Condensates. Physical Review Letters, 2010, 105, 186402.	2.9	63
2	Polarization-entangled mode-locked photons from cavity-enhanced spontaneous parametric down-conversion. Physical Review A, 2004, 70, .	1.0	56
3	Decoy state quantum key distribution with a photon number resolved heralded single photon source. Physical Review A, 2006, 73, .	1.0	55
4	Negative Bogoliubov dispersion in exciton-polariton condensates. Physical Review B, 2012, 85, .	1.1	40
5	Higher order coherence of exciton-polariton condensates. Physical Review B, 2010, 81, .	1.1	38
6	Two-photon interference at telecom wavelengths for time-bin-encoded single photons from quantum-dot spin qubits. Nature Communications, 2015, 6, 8955.	5.8	31
7	High-energy side-peak emission of exciton-polariton condensates in high density regime. Scientific Reports, 2016, 6, 25655.	1.6	27
8	Ultrabright narrow-band telecom two-photon source for long-distance quantum communication. Applied Physics Express, 2018, 11, 042801.	1.1	26
9	Temperature Dependence of Highly Excited Exciton Polaritons in Semiconductor Microcavities. Journal of the Physical Society of Japan, 2013, 82, 084709.	0.7	18
10	Highly excited exciton-polariton condensates. Physical Review B, 2017, 95, .	1.1	18
11	Observation of an oscillatory correlation function of multimode two-photon pairs. Physical Review A, 2003, 68, .	1.0	17
12	Evaluation of laser frequency offset locking using an electrical delay line. Applied Optics, 2018, 57, 5628.	0.9	13
13	Two-photon comb with wavelength conversion and 20-km distribution for quantum communication. Communications Physics, 2020, 3, .	2.0	12
14	Two-step frequency conversion for connecting distant quantum memories by transmission through an optical fiber. Japanese Journal of Applied Physics, 2018, 57, 062801.	0.8	11
15	Photoluminescence of high-density exciton-polariton condensates. Physical Review B, 2014, 90, .	1.1	10
16	Two-photon interference of multimode two-photon pairs with an unbalanced interferometer. Physical Review A, 2004, 69, .	1.0	8
17	Blind quantum computation with a heralded single-photon source. Physical Review A, 2019, 99, .	1.0	7
18	Photon-number-resolved heralded-photon source for improved quantum key distribution. Physical Review A, 2007, 76, .	1.0	6

#	ARTICLE	IF	CITATIONS
19	Coupling of a quantum memory and telecommunication wavelength photons for high-rate entanglement distribution in quantum repeaters. <i>Optics Express</i> , 2021, 29, 41522.	1.7	6
20	Offset-locking-based frequency stabilization of external cavity diode lasers for long-distance quantum communication. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 122001.	0.8	5
21	Entanglement distribution between quantum repeater nodes with an absorptive type memory. <i>International Journal of Quantum Information</i> , 2020, 18, 2050026.	0.6	5
22	Security and gain improvement of a practical quantum key distribution using a gated single-photon source and probabilistic photon-number resolution. <i>Physical Review A</i> , 2005, 72, .	1.0	4
23	Transient Oscillatory Behaviors of Polariton Condensates. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 094401.	0.7	3
24	Transfer of linewidth and frequency stability from an iodine-stabilized Nd:YAG laser to a quantum memory control laser through an optical frequency comb. <i>Japanese Journal of Applied Physics</i> , 2022, 61, 088003.	0.8	2
25	Compact frequency-stabilized pump laser for wavelength conversion in long-distance quantum communication. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 2023.	0.9	1
26	Quantum key distribution with a heralded single photon source and a photon number resolving detector. , 2006, , .		0
27	Direct Photoluminescence Observation of the Negative Bogoliubov Branch in an Exciton-polariton Condensate. , 2012, , .		0
28	New lasing from exciton-polariton condensates in high excitation regime. , 2013, , .		0
29	Quantum key distribution with mode-locked two-photon states. , 2015, , .		0
30	Background-free Quantum Frequency Downconversion for Two-photon Interference of Heterogeneous Photon Sources. , 2015, , .		0
31	1.5-Åµm Narrow-band Two-photon Source for Long-distance Quantum Communication. , 2018, , .		0
32	é•è•é•çé†âé€šä;ã•ÿç³/4ã•ã•ã•,ã•é†âã•ç•™æš€è;“ã•ç”ç•©•é–ç•™•. IEICE Communications Society Magazine, 2020, 4, 133-141.		0