

Ryoichi Kasahara

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

471
citations

1163117

8
h-index

1199594

12
g-index

19
all docs

19
docs citations

19
times ranked

405
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation of performance differences between coherent Ising machines and a quantum annealer. <i>Science Advances</i> , 2019, 5, eaau0823.	10.3	169
2	100,000-spin coherent Ising machine. <i>Science Advances</i> , 2021, 7, eabh0952.	10.3	101
3	Wide-Band Inline-Amplified WDM Transmission Using PPLN-Based Optical Parametric Amplifier. <i>Journal of Lightwave Technology</i> , 2021, 39, 787-794.	4.6	41
4	Understanding dynamics of coherent Ising machines through simulation of large-scale 2D Ising models. <i>Nature Communications</i> , 2018, 9, 5020.	12.8	40
5	All-optical phase-sensitive detection for ultra-fast quantum computation. <i>Optics Express</i> , 2020, 28, 34916.	3.4	31
6	Over-30-dB gain and 1-dB noise figure phase-sensitive amplification using a pump-combiner-integrated fiber I/O PPLN module. <i>Optics Express</i> , 2021, 29, 28824.	3.4	22
7	PPLN-Based Optical Parametric Amplification for Wideband WDM Transmission. <i>Journal of Lightwave Technology</i> , 2022, 40, 3374-3384.	4.6	20
8	4-dB Quadrature Squeezing With Fiber-Coupled PPLN Ridge Waveguide Module. <i>IEEE Journal of Quantum Electronics</i> , 2020, 56, 1-5.	1.9	9
9	Over-30-dB phase-sensitive amplification using a fiber-pigtailed PPLN waveguide module. , 2019, , .		8
10	Accurate Estimation of Chromatic Dispersion for Non-Degenerate Phase-Sensitive Amplification. <i>Journal of Lightwave Technology</i> , 2021, 39, 24-32.	4.6	7
11	Broadband optical parametric amplification using PPLN waveguide pumped by detuned second harmonic. <i>Optics Express</i> , 2022, 30, 9473.	3.4	6
12	Non-degenerate phase-sensitive amplification scheme using digital dispersion pre-equalization for unrepeated transmission. <i>Optics Express</i> , 2021, 29, 8451.	3.4	4
13	Inter-band non-degenerate phase-sensitive amplification scheme for low-noise full C-band transmission. <i>IEICE Communications Express</i> , 2022, 11, 64-69.	0.4	4
14	13.4-Tb/s WDM Transmission over 1,280 km Repeated only with PPLN-based Optical Parametric Inline Amplifier. , 2021, , .		4
15	Gain Ripple and Passband Narrowing due to Residual Chromatic Dispersion in Non-Degenerate Phase-Sensitive Amplifiers. , 2020, , .		3
16	8-Tbps (20 Å— 400 Gbps) Unrepeated Transmission over 80 km with 2-THz PPLN-Based Phase-Sensitive Amplification Using Precise Chromatic Dispersion Pre-Compensation. , 2021, , .		2
17	All-optical quadrature measurement of over-THz-bandwidth continuous-wave squeezed light. , 2021, , .		0
18	Erratum to "4-dB Quadrature Squeezing With Fiber-Coupled PPLN Ridge Waveguide Module" [Jun 20 10.1109/JQE.2020.2982698]. <i>IEEE Journal of Quantum Electronics</i> , 2021, 57, 1-1.	1.9	0

#	ARTICLE	IF	CITATIONS
19	Wideband PPLN-Based Phase-Sensitively Amplified Transmission of 20-Channel 96-Gbaud WDM Signal. Journal of Lightwave Technology, 2022, 40, 5467-5477.	4.6	0