

Masashi Abe

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Simultaneous nonlinearity mitigation in 92 Å– 180-Gbit/s PDM-16QAM transmission over 3840 km using PPLN-based guard-band-less optical phase conjugation. Optics Express, 2016, 24, 16945.	3.4	58
2	Low-Parametric-Crosstalk Phase-Sensitive Amplifier for Guard-Band-Less DWDM Signal Using PPLN Waveguides. Journal of Lightwave Technology, 2017, 35, 755-761.	4.6	36
3	Accurate transition frequency list of the $\hat{1}/2_3$ band of methane from sub-Doppler resolution comb-referenced spectroscopy. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1027.	2.1	30
4	Optical pump phase locking to a carrier wave extracted from phase-conjugated twin waves for phase-sensitive optical amplifier repeaters. Optics Express, 2016, 24, 26300.	3.4	16
5	Sub-Doppler resolution 34 $\hat{1}/4$ m spectrometer with an efficient difference-frequency-generation source. Optics Letters, 2009, 34, 1744.	3.3	13
6	Design of cavity-enhanced absorption cell for reducing transit-time broadening. Optics Letters, 2014, 39, 5277.	3.3	10
7	Hyperfine-resolved transition frequency list of fundamental vibration bands of H35Cl and H37Cl. Journal of Molecular Spectroscopy, 2014, 306, 19-25.	1.2	10
8	Sub-Doppler resolution mid-infrared spectroscopy using a difference-frequency-generation source spectrally narrowed by laser linewidth transfer. Optics Letters, 2015, 40, 5467.	3.3	6
9	A1–A2 splitting of CH3D. Journal of Molecular Spectroscopy, 2015, 312, 90-96.	1.2	6
10	4-nm continuous rapid sweeping spectroscopy in 2- $\hat{1}/4$ m band using distributed Bragg reflector laser. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	6
11	Dual wavelength 32- $\hat{1}/4$ m source for isotope ratio measurements of $^{13}\text{CH}_4/^{12}\text{CH}_4$. Optics Express, 2015, 23, 21786.	3.4	5
12	Investigation of SO ₃ absorption line for in situ gas detection inside combustion plants using a 4- $\hat{1}/4$ m-band laser source. Applied Optics, 2016, 55, 6887.	2.1	5
13	Rapid spectrum measurement at 3- $\hat{1}/4$ m over 100- $\hat{1}/4$ m wavelength range using mid-infrared difference frequency generation source. Optics Letters, 2016, 41, 1380.	3.3	3
14	Low-Noise Phase-Sensitive Amplifier for Guard-Band-Less 16-channel DWDM Signal using PPLN Waveguides. , 2016, , .		3
15	Pump phase-locking to fiber-transmitted QPSK phase-conjugated twin waves for non-degenerate phase-sensitive amplifier repeaters. IEICE Communications Express, 2017, 6, 566-571.	0.4	2
16	Quantitative investigation of the Zeeman and Paschen-Back effects of the hyperfine structure during the rubidium $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 5 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mSPACE} \text{width="0.16em"} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle / \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle$ Physical Review A, 2019, 100, .	2.5	2
17	Nonlinearity Mitigation of PDM-16QAM Signals Using Multiple CSI-OPCs in Ultra-Long-Haul Transmission without Excess Penalty. IEICE Transactions on Communications, 2020, E103.B, 1226-1232.	0.7	2
18	Effective trapping of cold atoms using dipole and radiative forces in an optical trap. Physical Review A, 2019, 100, .	2.5	1

#	ARTICLE	IF	CITATIONS
19	Simultaneous nonlinearity mitigation of WDM signals based on complementary spectrally inverted optical phase conjugation. , 2017, , .		0
20	Optical parametric amplifiers based on PPLN waveguides for long-Haul transmission. , 2017, , .		0
21	PPLN waveguide based phase sensitive amplifier for optical communication. , 2017, , .		0
22	Nonlinearity mitigation of PDM-16QAM signal using multiple CSI-OPCs in ultra-long haul transmission without excess penalty. , 2019, , .		0
23	Accurate transition frequency list of the $\hat{1}/2 ₃$ band of methane from sub-Doppler resolution comb-referenced spectroscopy: erratum. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 896.	2.1	0