## Masaya Notomi

## List of Publications by Year in descending order

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Version: 2024-02-01



Optical bistable switching action of Si high-Q photonic-crystal nanocavities. Optics Express, 2005, 13,
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27 Deep-subwavelength plasmonic mode converter with large size reduction for Si-wire waveguide. Optica, 2016, 3, 999.
28 Slow light enhanced optical nonlinearity in a silicon photonic crystal coupled-resonator optical waveguide. Optics Express, 2011, 19, 19861.
29 Continuous-wave operation and $10-\mathrm{Gb} /$ s direct modulation of $\operatorname{InAsP} / \ln P$ sub-wavelength nanowire
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All-Optical InAsP/InP Nanowire Switches Integrated in a Si Photonic Crystal. ACS Photonics, 2020, 7, 6.6 ..... 42Systematic study of thresholdless oscillation in high-î2 buried multiple-quantum-well photonic crystalnanocavity lasers. Optics Express, 2016, 24, 3441.
Subwavelength Nanowire Lasers on a Silicon Photonic Crystal Operating at Telecom Wavelengths. ACS Photonics, 2017, 4, 355-362.
Photonic Crystal Lasers for Chip-to-Chip and On-Chip Optical Interconnects. IEEE Journal of Selected
Topics in Quantum Electronics, 2015, 21, 728-737.

| 39 | InGaAs nano-photodetectors based on photonic crystal waveguide including ultracompact buried heterostructure. Optics Express, 2013, 21, 19022. | 3.4 | 26 |
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| 40 | Ultralow-energy electro-absorption modulator consisting of InGaAsP-embedded photonic-crystal waveguide. APL Photonics, 2017, 2, . | 5.7 | 25 |
| 41 | Mid-Infrared Lasing of Single Wurtzite InAs Nanowire. Nano Letters, 2019, 19, 8059-8065. | 9.1 | 22 |
| 42 | Observing exceptional point degeneracy of radiation with electrically pumped photonic crystal coupled-nanocavity lasers. Optica, 2021, 8, 184. | 9.3 | 22 |
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\begin{aligned}
& \text { Controlled } \left.1.1 a \hat{a} €^{\prime \prime} 1.6\langle\mathrm{i}\rangle \hat{1} 1 / 4</ \mathrm{i}\right\rangle \mathrm{m} \text { luminescence in gold-free multi-stacked } \operatorname{InAs} / \ln P \text { heterostructure } \\
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61 Low- and high- $\hat{1}^{2}$ lasers in the class-A limit: photon statistics, linewidth, and the laser-phase transition analogy. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 699. ..... 2.1 ..... 11
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76 Design of nanowire-induced nanocavities in photonic crystal disks. Optics Letters, 2017, 42, 5121. ..... 3.383 Experimental observation of bound states in the continuum generated by spatial symmetry breaking. ,2021, , .```

