

# Daiki Yamashita

## List of Publications by Year in descending order

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14  
papers

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1162889  
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#	ARTICLE	IF	CITATIONS
1	Charge Injection at the Heterointerface in Perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ Solar Cells Studied by Simultaneous Microscopic Photoluminescence and Photocurrent Imaging Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3186-3191.	2.1	38
2	Ultra-compact 32-channel drop filter with 100 GHz spacing. <i>Optics Express</i> , 2014, 22, 4692.	1.7	35
3	Raman shift and strain effect in high-Q photonic crystal silicon nanocavity. <i>Optics Express</i> , 2015, 23, 3951.	1.7	27
4	Strongly asymmetric wavelength dependence of optical gain in nanocavity-based Raman silicon lasers. <i>Optica</i> , 2018, 5, 1256.	4.8	20
5	Lasing Dynamics of Optically-Pumped Ultralow-Threshold Raman Silicon Nanocavity Lasers. <i>Physical Review Applied</i> , 2018, 10, .	1.5	19
6	Deterministic transfer of optical-quality carbon nanotubes for atomically defined technology. <i>Nature Communications</i> , 2021, 12, 3138.	5.8	16
7	Detrimental Fluctuation of Frequency Spacing Between the Two High-Quality Resonant Modes in a Raman Silicon Nanocavity Laser. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 26, 1-12.	1.9	11
8	Detection of negatively ionized air by using a Raman silicon nanocavity laser. <i>Optics Express</i> , 2021, 29, 16228.	1.7	11
9	Waveguide coupled cavity-enhanced light emission from individual carbon nanotubes. <i>APL Photonics</i> , 2021, 6, .	3.0	3
10	Quantum Emission Assisted by Energy Landscape Modification in Pentacene-Decorated Carbon Nanotubes. <i>ACS Photonics</i> , 2021, 8, 2367-2374.	3.2	3
11	Quantization of Mode Shifts in Nanocavities Integrated with Atomically Thin Sheets. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	2
12	A sub-microwatt threshold Raman silicon laser using a high-Q nanocavity. , 2015, , .		1
13	Charge carrier injection at the heterointerface in $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite solar cells studied by time-resolved photoluminescence and photocurrent imaging spectroscopy. , 2017, , .		1
14	Raman Scattering Emission from a Silicon Photonic Nanocavity Excited by a Superluminescent Diode. , 2020, , .		0