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Bio

STANFORD ADVISORS

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Publications

PUBLICATIONS

- **Generation of Frequency-Bin-Encoded Dual-Rail Cluster States via Time-Frequency Multiplexing of Microwave Photonic Qubits** *PRX QUANTUM*
  Wang, Z., Miyamura, T., Sunada, Y., Sunada, K., Ilves, J., Matsuura, K., Nakamura, Y.
  2026; 7 (1)

- **Efficient Tomography of Microwave Photonic Cluster States** *PRX QUANTUM*
  Sunada, Y., Kono, S., Ilves, J., Sugiyama, T., Suzuki, Y., Okubo, T., Tamate, S., Tabuchi, Y., Nakamura, Y.
  2026; 7 (1)

- **Dissipation and noise in strongly driven Josephson junctions** *SCIPOST PHYSICS CORE*
  Vadimov, V., Sunada, Y., Mottonen, M.
  2025; 8 (4)

- **Methods to achieve near-millisecond energy relaxation and dephasing times for a superconducting transmon qubit** *NATURE COMMUNICATIONS*
  Tuokkola, M., Sunada, Y., Kivijarvi, H., Albanese, J., Gronberg, L., Kaikkonen, J., Vesterinen, V., Govenius, J., Mottonen, M.
  2025; 16 (1): 5421

- **Generation of Frequency-Tunable Shaped Single Microwave Photons Using a Fixed-Frequency Superconducting Qubit** *PRX QUANTUM*
  Miyamura, T., Sunada, Y., Wang, Z., Ilves, J., Matsuura, K., Nakamura, Y.
  2025; 6 (2)

- **Fast Multiplexed Superconducting-Qubit Readout with Intrinsic Purcell Filtering Using a Multiconductor Transmission Line** *PRX QUANTUM*
  Spring, P. A., Milanovic, L., Sunada, Y., Wang, S., van Loo, A. F., Tamate, S., Nakamura, Y.
  2025; 6 (2)