

S. Shanthi, Anna University.

1. Studies on Gd doped ZnO nanocrystalline thin films. S Shanthi, N Muthukumarasamy, S Agilan, R Balasundaraprabhu. *Materials Research Innovations* 19 (1), 40-43.
2. Studies on the photo degradation of malachite green dye by the synthesized ZnO nano particles with different sources of energy. S Shanthi, R Manjula, M Vinulakshmi, RR Bala. *International Journal of Research in Pharmacy and Chemistry* 4 (3), 571-576.
3. Structural and Optical Properties of Pure and Transition Metal Ion Doped SNO₂ Quantum Dots. S Chitra, D Easwaramoorthy, SN Jayanthi, S Shanthi. *Int. J. ChemTech Res* 6, 4722-4728.
4. Investigation of the performance of an ultralow-dark-count superconducting nanowire single-photon detector. S Subashchandran, R Okamoto, L Zhang, A Tanaka, M Okano, L Kang. *Japanese Journal of Applied Physics* 52 (10R), 102801.
5. Broadband frequency correlated photon pairs using a chirped-QPM device. A Tanaka, R Okamoto, HH Lim, S Subashchandran, M Okano, L Zhang. 2013 Conference on Lasers and Electro-Optics Pacific Rim (CLEOPR), 1-2.
6. Sum-frequency-photon generation from an entangled photon pair. Y Eto, M Okano, A Tanaka, S Subashchandran, R Okamoto, HH Lim. Conference on Lasers and Electro-Optics/Pacific Rim, WPG_6.
7. Spectral properties of ultra-broadband entangled photons generated from chirped-MgSLT crystal towards monocycle entanglement generation. A Tanaka, R Okamoto, HH Lim, S Subashchandran, M Okano, L Zhang. *Advances in Photonics of Quantum Computing, Memory, and Communication VI* ...
8. Noncollinear parametric fluorescence by chirped quasi-phase matching for monocycle temporal entanglement. A Tanaka, R Okamoto, HH Lim, S Subashchandran, M Okano, L Zhang. *Optics express* 20 (23), 25228-25238.
9. Generation of broadband spontaneous parametric fluorescence using multiple bulk nonlinear crystals. M Okano, R Okamoto, A Tanaka, S Subashchandran, S Takeuchi *Optics Express* 20 (13), 13977-13987.
10. Spectral dependence of ultra-low dark count superconducting single photon detector for the evaluation of broadband parametric fluorescence. S Subashchandran, R Okamoto, A Tanaka, M Okano, L Zhang, L Kang. *Quantum Sensing and Nanophotonic Devices IX* 8268, 82681V.
11. Generation of broadband spontaneous parametric fluorescence and its application to quantum optical coherence tomography. M Okano, R Okamoto, A Tanaka, S Subashchandran, S Ishida. *Quantum Communications and Quantum Imaging IX* 8163, 816312.
12. 23pED-4 Development of superconducting nanowire single photon detection system for the evaluation of ultra broadband parametric fluorescence. S Subashchandran, R Okamoto, A Tanaka, M Okano, L Zhang, L Kang. *Meeting Abstracts of the Physical Society of Japan* 66.2. 2, 174.

13. Broadband spontaneous parametric fluorescence toward high-resolution quantum optical coherence tomography. M Okano, R Okamoto, A Tanaka, S Subashchandran, S Ishida. International Conference on Quantum Information, QMI13.
14. Collinear ultra-broadband parametric fluorescence generated from 10%-chirped quasi phase matched device. A Tanaka, R Okamoto, HH Lim, S Subashchandran, M Okano, S Kurimura. European Quantum Electronics Conference, EA_P7.