

Paweł Holewa

Lista Publikacji

1. P. Holewa, A. Sakanas, U. M. Gür, P. Mrowiński, A. Huck, B. Wang, A. Musiał, K. Yvind, N. Gregersen, M. Syperek, E. Semenova (2022). Bright Quantum Dot Single-Photon Emitters at Telecom Bands Heterogeneously Integrated with Si, *ACS Photonics*, 9, 7.
2. P. Holewa, S. Kadhodazadeh, M. Gawęłczyk, P. Baluta, A. Musiał, V. G. Dubrovskii, M. Syperek, E. Semenova (2022). Droplet epitaxy symmetric InAs/InP quantum dots for quantum emission in the third telecom window: morphology, optical and electronic properties. *Nanophotonics*, 11, 8.
3. M. Syperek, R. Stühler, A. Consiglio, P. Holewa, P. Wyborski, Ł. Dusanowski, F. Reis, S. Höfling, R. Thomale, W. Hanke, R. Claessen, D. Di Sante, C. Schneider (2022). Observation of room temperature excitons in an atomically thin topological insulator, *Nature Communications*, 13, 1.
4. P. Holewa, M. Gawęłczyk, A. Maryński, P. Wyborski, J. Reithmaier, G. Sęk, M. Benyoucef, M. Syperek (2020). Optical and Electronic Properties of Symmetric InAs/(In,Al,Ga)As/InP Quantum Dots Formed by Ripening in Molecular Beam Epitaxy: A Potential System for Broad-Range Single-Photon Telecom Emitters. *Physical Review Applied*, 14, 6, 064054, 1-13.
5. P. Holewa, M. Gawęłczyk, C. Ciostek, P. Wyborski, S. Kadhodazadeh, E. Semenova, M. Syperek (2020). Optical and electronic properties of low-density InAs/InP quantum-dot-like structures designed for single-photon emitters at telecom wavelengths. *Physical Review B*, 101, 19