

Sebastian Borówka

Lista publikacji

1. Parniak, M., Borówka, S., Boroszko, K., Wasilewski, W., Banaszek, K., Demkowicz-Dobrzański, R. (2018). Beating the Rayleigh Limit Using Two-Photon Interference, *Physical Review Letters* 121 (25), 250503.
2. Borówka, S., Pylypenko, U., Mazelanik, M., Parniak, M. (2022). Sensitivity of a Rydberg-atom receiver to frequency and amplitude modulation of microwaves, *Applied Optics* 61 (29) 8806-8812.
3. Borówka, S., Pylypenko, U., Mazelanik, M., Parniak, M. (2023). Continuous wideband microwave-to-optical converter based on room-temperature Rydberg atoms, *Nature Photonics* 18, 32–38.
4. Borówka, S., Krokosz W., Mazelanik, M., Wasilewski, W., Parniak, M. (2024). A Rydberg atom based system for benchmarking mmWave automotive radar chips, *Physical Review Applied* 22 (3), 034067.