Mateusz Pielach

Lista Publikacji

1. M. Pielach, A. Jamrozik, K. Krupa and Y. Stepanenko, "Semi-linear all-polarization-maintaining Yb-doped fiber laser oscillator manifesting dual operation regime at net anomalous dispersion", Journal of Lightwave Technology, vol. 42, no. 1, pp. 386-393, 2024, doi: 10.1109/JLT.2023.3306595.

2. M. Pielach, A. Jamrozik, K. Krupa and Y. Stepanenko, "Self-starting mode-locking in an all-PM Yb-doped fiber laser oscillator enabled by a 3x3 nonlinear optical lossy loop mirror", Optics Express 31, 42136-42149 (2023), doi: 10.1364/OE.505449.

3. M. Pielach, A. Jamrozik, K. Krupa and Y. Stepanenko, "All-polarization-maintaining Nd-doped ultrafast fiber laser oscillator at 929 nm mode-locked via a 3x3 nonlinear amplifying loop mirror", Optics Express 32, 31672-31682 (2024), doi: 10.1364/OE.530457.

4. M. Pielach, J. Szczepanek, K. Krupa and Y. Stepanenko, "Studying the Operation of an All-PM Yb-Doped Fiber Laser Oscillator at Negative and Positive Net Cavity Dispersion", IEEE Access, vol. 10, pp. 45689-45694, 2022, doi: 10.1109/ACCESS.2022.3170921.

5. M. Pielach, B. Piechal, J. Szczepanek, P. Kabaciński and Y. Stepanenko, "Energy Scaling of an Ultrafast All-PM-Fiber Laser Oscillator", IEEE Access, vol. 8, pp. 145087-145091, 2020, doi: 10.1109/ACCESS.2020.3015425.