

Hongxiang Jia

Ph.D. Student in Electrical Engineering, admitted Autumn 2021

Publications

PUBLICATIONS

- **Design and Modeling of a Single-Ring Exceptional-Point Ring-Laser Gyroscope with Improved Angular Random Walk**
Jia, H., Azzouz, M., Moslehi, B., Digonnet, M. J. F.
edited by Scheuer, J.
SPIE-INT SOC OPTICAL ENGINEERING.2026
- **Stable Multi-Wavelength Fiber Lasers for High-Precision Fiber-Optic Gyroscopes** *JOURNAL OF LIGHTWAVE TECHNOLOGY*
Jia, H., LaRochelle, S., Bernier, M., Digonnet, M. J. F.
2025; 43 (18): 8959-8965
- **Modeling an Exceptional Point Gyroscope Utilizing a Single Ring Resonator and a Loss-Modulated Grating**
Jia, H., Azzouz, M., Mitchell, C., Socolof, G., Moslehi, B., Digonnet, M. J. F.
edited by Scheuer, J.
SPIE-INT SOC OPTICAL ENGINEERING.2025
- **Low-Drift Fiber-Optic Gyroscope Interrogated With Multiple Broadened Semiconductor Lasers** *JOURNAL OF LIGHTWAVE TECHNOLOGY*
Jia, H., Wheeler, J. M., Iantosca, T., Digonnet, M. J. F.
2024; 42 (13): 4666-4673
- **Optimal Shaping for the Stokes Vector Receiver** *JOURNAL OF LIGHTWAVE TECHNOLOGY*
Jia, H., Liang, E., Kahn, J. M.
2023; 41 (22): 6884-6897