

Melissa Guidry

Ph.D. Student in Applied Physics, admitted Autumn 2018

Publications

PUBLICATIONS

- **Quantum optics of soliton microcombs** *NATURE PHOTONICS*
Guidry, M. A., Lukin, D. M., Yang, K., Trivedi, R., Vuckovic, J.
2021
- **Integrated Quantum Photonics with Silicon Carbide: Challenges and Prospects** *PRX QUANTUM*
Lukin, D. M., Guidry, M. A., Vuckovic, J.
2020; 1 (2)
- **Optical parametric oscillation in silicon carbide nanophotonics** *OPTICA*
Guidry, M. A., Yang, K., Lukin, D. M., Markosyan, A., Yang, J., Fejer, M. M., Vuckovic, J.
2020; 7 (9): 1139–42
- **Spectrally reconfigurable quantum emitters enabled by optimized fast modulation** *NPJ QUANTUM INFORMATION*
Lukin, D. M., White, A. D., Trivedi, R., Guidry, M. A., Morioka, N., Babin, C., Soykal, O. O., Ul-Hassan, J., Son, N., Ohshima, T., Vasireddy, P. K., Nasr, M. H., Sun, et al
2020; 6 (1)
- **4H-silicon-carbide-on-insulator for integrated quantum and nonlinear photonics** *NATURE PHOTONICS*
Lukin, D. M., Dory, C., Guidry, M. A., Yang, K., Mishra, S. D., Trivedi, R., Radulaski, M., Sun, S., Vercauysse, D., Ahn, G., Vuckovic, J.
2020; 14: 330-334
- **4H-SiC-on-Insulator Platform for Quantum Photonics**
Lukin, D., Dory, C., Radulaski, M., Sun, S., Mishra, S., Guidry, M., Vercauysse, D., Vuckovic, J., IEEE
IEEE.2019