

QUANTUM INFORMATION PROCESSING PUBLICATIONS

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- J. Ren, H. Hodaie, G. Harari, A.U. Hassan, W. Chow, M. Soltani, D. Christodoulides, M. Khajavikhan, "Ultrasensitive Micro-Scale Parity-Time-Symmetric Ring Laser Gyroscope," *Optics Letters*, 42(8), 1556–559 (April 15, 2017).
- D. Ristè, M. P. da Silva, C. A. Ryan, A. W. Cross, A. D. Corcoles, J. A. Smolin, J. M. Gambetta, J. M. Chow, B. R. Johnson, "Demonstration of Quantum Advantage in Machine Learning," *Quantum Information* 3, 16 (2017) (April 13, 2017).
- F. Ye, M. Soltani, J. T. Inman, M. D. Wang, "Tunable Nanophotonic Array Traps with Enhanced Force and Stability," *Optics Express*, 25(7), 7907–7918 (April 3, 2017).
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- Ren-Jye Shiue, Dmitri K. Efetov, Gabriele Grosso, Cheng Peng, Kin Chung Fong, Dirk Englund, "Active 2D Materials for On-Chip Nanophotonics and Quantum Optics," *Nanophotonics* 2016–0172 (2017) (Jan. 12, 2017).

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- B. A. Bash, D. Goeckel, D. Towsley, "Covert Communication Gains from Adversary's Ignorance of Transmission Time," *IEEE Transactions on Wireless Communications*, 15(12), 8394–8405 (Dec. 1, 2016).
- M. Soltani, R. Soref, T. Palacios, and D. Englund, "AlGaIn/AlN Integrated Photonics Platform for the Ultraviolet and Visible Spectral Range," *Optics Express* 24, 25415–25423 (Oct. 31, 2016).
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- H. W. Chung, S. Guha, L. Zheng, "Superadditivity of Quantum Channel Coding Rate with Finite Blocklength Quantum Measurements," *IEEE Transactions on Information Theory* (July 31, 2016).
- H. Krovi, S. Guha, Z. Dutton, J. A. Slater, C. Simon, W. Tittel, "Practical Quantum Repeaters with Parametric Down-Conversion Sources," *Applied Physics B*, 122, 3, 1-8 (2016) (May 31, 2016).
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