

Publications for Alvaro Casas Bedoya

2018

Zarifi, A., Stiller, B., Merklein, M., Liu, Y., Morrison, B., Casas Bedoya, A., Ren, G., Nguyen, T., Khu, V., Choi, D., Eggleton, B., et al (2018). Brillouin spectroscopy of a hybrid silicon-chalcogenide waveguide with geometrical variations. *Optics Letters*, 43(15), 3493-3496. [More Information]

Liu, Y., Choudhary, A., Ren, G., Vu, K., Morrison, B., Casas Bedoya, A., Nguyen, T., Choi, D., Mitchell, A., Madden, S., Eggleton, B., et al (2018). Integrating Brillouin processing with functional circuits for enhanced RF photonic processing. *2018 International Topical Meeting on Microwave Photonics (MWP)*, Toulouse: Institute of Electrical and Electronics Engineers (IEEE). [More Information]

2017

Morrison, B., Casas Bedoya, A., Ren, G., Vu, K., Liu, Y., Zarifi, A., Nguyen, T., Choi, D., Marpaung, D., Madden, S., Eggleton, B., et al (2017). Brillouin lasing in a hybrid silicon chip. *The European Conference on Lasers and Electro-Optics, CLEO_Europe 2017*, Washington, DC: OSA - The Optical Society.

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2016

Singh, N., Casas Bedoya, A., Hudson, D., Read, A., Magi, E., Eggleton, B. (2016). Mid-IR absorption sensing of heavy water using a silicon-on-sapphire waveguide. *Optics Letters*, 41(24), 5776-5779. [More Information]

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Jizan, I., Bell, B., Helt, L., Casas Bedoya, A., Xiong, C., Eggleton, B. (2016). Phase-sensitive tomography of the joint spectral amplitude of photon pair sources. *Optics Letters*, 41(20), 4803-4806. [More Information]

Casas Bedoya, A., Morrison, B., Pagani, M., Marpaung, D., Eggleton, B. (2016). Tunable microwave notch filter enabled by SBS in silicon. *Latin America Optics and Photonics Conference (LAOP 2016)*, Medellin: OSA (Optical Society America). [More Information]

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Morrison, B., Casas Bedoya, A., Eggleton, B., Marpaung, D. (2015). Impact of Nonlinear Loss on Silicon Microwave Photonic Processors. *2015 European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference*, Washington, D.C: Optical Society of America.

Pagani, M., Morrison, B., Zhang, Y., Casas Bedoya, A., Aalto, T., Harjanne, M., Kapulainen, M., Eggleton, B., Marpaung, D. (2015). Instantaneous Frequency Measurement System Using Four-Wave Mixing in an Ultra-Compact Long Silicon Waveguide. *41st European Conference on Optical Communication (ECOC)*, Piscataway, NJ: Institute of Electrical and Electronics Engineers (IEEE). [More Information]

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2013

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2012

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