

# Publications for David Marpaung

## 2018

Jiang, H., Yan, L., Marpaung, D. (2018). Chip-based arbitrary radio-frequency photonic filter with algorithm-driven reconfigurable resolution. *Optics Letters*, 43(3), 415-418. <a href="http://dx.doi.org/10.1364/OL.43.000415">[More Information]</a>

Liu, Y., Choudhary, A., Marpaung, D., Eggleton, B. (2018). Chip-Based Brillouin Processing for Phase Control of RF Signals. *IEEE Journal of Quantum Electronics*, 54(3). <a href="http://dx.doi.org/10.1109/JQE.2018.2823323">[More Information]</a>

Roeloffzen, C., Hoekman, M., Klein, E., Wevers, L., Timens, R., Marchenko, D., Geskus, D., Dekker, R., Alippi, A., Marpaung, D., Liu, Y. (2018). Low-Loss Si<sub>3</sub>N<sub>4</sub> TriPLeX Optical Waveguides: Technology and Applications Overview. *IEEE Journal of Selected Topics in Quantum Electronics*, 24(4), 1-21. <a href="http://dx.doi.org/10.1109/JSTQE.2018.2793945">[More Information]</a>

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Aryanfar, I., Choudhary, A., Liu, Y., Vu, K., Ma, P., Choi, D., Madden, S., Marpaung, D., Eggleton, B. (2017). 47 dB Net on-chip Brillouin gain for true time delay applications. *2017 Conference on Lasers and Electro-Optics (CLEO) CLEO: Science and Innovations, CLEO\_SI 2017*, Piscataway, NJ: Institute of Electrical and Electronics Engineers (IEEE). <a href="http://dx.doi.org/10.1364/CLEO\_SI.2017.SW1O.8">[More Information]</a>

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Aryanfar, I., Marpaung, D., Choudhary, A., Liu, Y., Vu, K., Choi, D., Ma, P., Madden, S., Eggleton, B. (2017). Chip-based Brillouin radio frequency photonic phase shifter and wideband time delay. *Optics Letters*, 42(7), 1313-1316. <a href="http://dx.doi.org/10.1364/OL.42.001313">[More Information]</a>

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