

## Publications - Prof. Dr. André Butz

### PEER-REVIEWED INTERNATIONAL JOURNAL PUBLICATIONS

2018

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- 70 Frey, M., Sha, M. K., Hase, F., Kiel, M., Blumenstock, T., Harig, R., Surawicz, G., Deutscher, N. M., Shiomi, K., Franklin, J., Bösch, H., Chen, J., Grutter, M., Ohyama, H., Sun, Y., Butz, A., Mengistu Tsidu, G., Ene, D., Wunch, D., Cao, Z., Garcia, O., Ramonet, M., Vogel, F., and Orphal, J.: Building the COllaborative Carbon Column Observing Network (COCCON): Long term stability and ensemble performance of the EM27/SUN Fourier transform spectrometer, *Atmos. Meas. Tech. Discuss.*, <https://doi.org/10.5194/amt-2018-146>, in review, 2018.
- 69 Buchwitz, M., Reuter, M., Schneising, O., Noël, S., Gier, B., Bovensmann, H., Burrows, J. P., Boesch, H., Anand, J., Parker, R. J., Somkuti, P., Detmers, R. G., Hasekamp, O. P., Aben, I., Butz, A., Kuze, A., Suto, H., Yoshida, Y., Cosp, D., and O'Dell, C.: Computation and analysis of atmospheric carbon dioxide annual mean growth rates from satellite observations during 2003–2016, *Atmos. Chem. Phys. Discuss.*, <https://doi.org/10.5194/acp-2018-158>, in review, 2018.
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- 67 Hu, H., Landgraf, J., Detmers, R., Borsdorff, T., Aan de Brugh, J., Aben, I., André Butz, Otto Hasekamp, Toward global mapping of methane with TROPOMI: First results and intersatellite comparison to GOSAT. *Geophysical Research Letters*, **45**, 3682–3689, <https://doi.org/10.1002/2018GL077259>, 2018
- 66 Platt, U., Bobrowski, N., Butz, A., Ground-Based Remote Sensing and Imaging of Volcanic Gases and Quantitative Determination of Multi-Species Emission Fluxes. *Geosciences*, **8**(2) (44). MDPI (Multidisciplinary Digital Publishing Institute). DOI: 10.3390/geosciences8020044, 2018

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## BOOK/REPORT CONTRIBUTIONS

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WMO (World Meteorological Organization) *Scientific Assessment of Ozone Depletion: 2006*, Global Ozone Research and Monitoring Project - Report No. 50, 572pp., Geneva, 2007