

# Publications

## Peer Reviewed Publications

- Maycock, A. C., W J. Randel, **A. K. Steiner**, A. Y. Karpechko, J. Cristy, R. Saunders, D. W. J. Thompson, C-Z. Zou, A. Chrysanthou, N. L. Abraham, H. Akiyoshi, A. T. Archibald, N. Butchart, M. Chipperfield, M. Dameris, M. Deushi, S. Dhomse, G. Di Genova, P. Jöckel, D. E. Kinnison, O. Kirner, F. Ladstädter, M. Michou, O. Morgenstern, F. O'Connor, L. Oman, G. Pitari, D. A. Plummer, L. E. Revell, E. Rozanov, A. Stenke, D. Visioni, Y. Yamashita, G. Zeng, (2018), Revisiting the mystery of recent stratospheric temperature trends, *Geophys. Res. Lett.*, 45(18), 9919–9933, doi:[10.1029/2018GL078035](https://doi.org/10.1029/2018GL078035). **(Frontier article)**  
**(Featured as research spotlight in AGU's Eos: doi:[10.1029/2018EO109113](https://doi.org/10.1029/2018EO109113))**
- Unterberger, C., L. Brunner, S. Nabernegg, K. W. Steininger, **A. K. Steiner**, E. Stabentheiner, S. Monschein, and H. Truhetz (2018), Spring frost risk for regional apple production under a warmer climate, *PLoS ONE*, 13(7):e0200201, doi:[10.1371/journal.pone.0200201](https://doi.org/10.1371/journal.pone.0200201).
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- Angerer, B., F. Ladstädter, B. Scherllin-Pirscher, M. Schwärz, **A. K. Steiner**, U. Foelsche, and G. Kirchengast (2017), Quality Aspects of the Wegener Center Multi-Satellite GPS Radio Occultation Record OPSv5.6, *Atmos. Meas. Tech.*, 10, 4845–4863, doi:[10.5194/amt-10-4845-2017](https://doi.org/10.5194/amt-10-4845-2017).
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- Biondi, R., **A. K. Steiner**, G. Kirchengast, H. Brenot, and T. Rieckh (2017), Supporting the detection and monitoring of volcanic clouds: a promising new application of Global Navigation Satellite System radio occultation, *Adv. Space Res.*, 60(12), 2707–2722, doi:[10.1016/j.asr.2017.06.039](https://doi.org/10.1016/j.asr.2017.06.039). **(Featured key scientific article in [Advances in Engineering](#))**
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## Edited Books and Special Issues

- Steiner, A. K.**, U. Foelsche, S. Healy, A. Mannucci, A. von Engeln, J. Wickert, and S. A. Buehler (Eds.) (2018), *Observing Atmosphere and Climate with Occultation Techniques – Results from the OPAC-IROWG 2016*, *Atmos. Meas. Tech.*, Special Issue 881, <[https://www.atmos-meas-tech.net/special\\_issue881.html](https://www.atmos-meas-tech.net/special_issue881.html)>
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## Proceedings, Reports, and Book Chapters

- Steiner, A. K.**, and A. C. Maycock (2019), Report on the 2nd Atmospheric Temperature Changes and their Drivers (ATC) Activity Workshop, SPARC 2019: SPARC Newsletter No. 52, 21–23, DLR-IPA, Oberpfaffenhofen, January 2019, <<http://www.sparc-climate.org/publications/newsletter/>>
- Groß-Vogt, K., T. Hermann, M. W. Jury, **A. K. Steiner**, and S. Kartadinata (2018). Klima|Anlage—Performing Climate Data. In W. Leal Filho, B. Lackner, & H. McGhie (Eds.), *Addressing the Challenges in Communicating Climate Change Across Various Audiences*, 339–355, Springer International Publishing, doi:[10.1007/978-3-319-98294-6\\_21](https://doi.org/10.1007/978-3-319-98294-6_21).
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