

# Peer-reviewed Publications and Books

Herbert Fischer

Status October 2015

1	<i>H. Fischer, R. Sizmann, F. Bell (1969): Anisotrope D(d,n)<sup>3</sup>He - Reaktionsausbeute in Kupferreinkristallen. Zeitschrift für Physik 224, 135-143</i>	1969
2	<i>H. J. Bolle, H. Fischer, F. Köpp (1972): Instrumentierung meteorologischer Satelliten. PROMET, Meteorologische Fortbildung, Heft 2, 8-14</i>	1972
3	<i>H. Fischer (1975): A generalized iterative method for the determination of atmospheric temperature profiles. Beitr. Phys. Atm., 48, 301-326</i>	1975
4	<i>H. Fischer (1978): Sensitivity of the inversion of limb radiance measurements in the 6,3 µm water vapor band. Editors: A.L. Fymat and V.E. Zuev, Elsevier Scient. Publ. Comp., 137-148 Remote Sensing of the Atmosphere: Inversion Methods and Applications, Editors: A.L. Fymat and V.E. Zuev, Elsevier Scient. Publ. Comp., 137-148</i>	1978
5	<i>M. Kästner, H. Fischer, H.J. Bolle (1980): Wind determination from NIMBUS 5 observations in the 6.3 µm water vapor band. J. Appl. Meteor., 19, 409-418</i>	1980
6	<i>H. Fischer, N. Eigenwillig, H. Müller (1981): Information Content of METEOSAT and NIMBUS/THIR Water Vapor Channel Data: Altitude Association of Observed Phenomena. J. Appl. Meteor., 20, 1344-1352</i>	1981
7	<i>N. Eigenwillig, H. Fischer (1982): Determination of Mid-tropospheric Wind Vectors by Tracking Pure Water Vapor Structures in METEOSAT Water Vapor Image Sequences. Bull. Am. Met. Soc., 63, 44-58</i>	1982
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12	<i>P. Burkert, F. Fergg, H. Fischer (1983): A Compact High-Resolution Michelson Interferometer for Passive Atmospheric Sounding (MIPAS). IEEE Transactions Geosc. Rem. Sens., Vol. GE-21, 345-349</i>	
13	<i>H. Oelhaf, H. Fischer (1983): Measurements of minor constituents in the middle atmosphere from IR limb emission spectra: a feasibility study. Applied Optics, 22, 2515-2518</i>	1983
14	<i>H. Fischer (1983): Fernerkundung der mittleren Atmosphäre von Satelliten aus. PROMET, Heft 3/4, 23-30</i>	

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16	J. M. Russell III, J.C. Gille, E.E. Remsberg, L. L. Gordley, P.L. Bailey, S. R. Drayson, H. Fischer, A. Girard, J.E. Harries, W.F.J. Evans (1984): <b>Validation of nitrogen dioxide results measured by the Limb Infrared Monitor of the Stratosphere (LIMS) Experiment on NIMBUS 7.</b> <i>J. Geophys. Res.</i> , 89, 5099-5107	
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24	H. Oelhaf, H. Fischer (1989): <b>Relevance of upper atmosphere non-LTE effects to limb emission of stratospheric constituents.</b> <i>IRS 88: Current Problems in Atmospheric Radiation</i> , Deepak Publish., Comp. Editors: Lenoble and Geleyn, 460-463	
25	H. Fischer, G. Wetzol, H. Oelhaf (1989): <b>Remote sensing of tropospheric gases from space.</b> <i>IRS 88: Current Problems in Atmospheric Radiation</i> Deepak Publ. Comp., Editors: Lenoble and Geleyn, 507-510	1989
26	G.P. Adrian, T. Blumenstock, H. Fischer, L. Gerhardt, T. Gulde, H. Oelhaf, P. Thomas, O. Trieschmann (1991): <b>Column amounts of trace gases derived from ground-based measurements with MIPAS during CHEOPS III.</b> <i>Geophysical Research Letters</i> , 18, 783-86	1991
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32	G.P. Adrian, T. v. Clarmann, H. Fischer, H. Oelhaf (1993): <b>Trace gas measurements with the ground-based MIPAS experiment during the arctic winters 1990 to 1992.</b> <i>IRS 92: Current Problems in Atmospheric Radiation.</i> A. Deepak Publ., 359-362	
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35	H. Fischer (1993): <b>Remote sensing of atmospheric trace gases.</b> <i>Interdisciplinary Science Reviews</i> , 18, 185-191	
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