

Andreas Richter

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

135
papers

7,839
citations

42
h-index

88
g-index

148
ext. papers

8,961
ext. citations

5.6
avg, IF

5.46
L-index

#	Paper	IF	Citations
135	Variability of nitrogen oxide emission fluxes and lifetimes estimated from Sentinel-5P TROPOMI observations. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 2745-2767	6.8	1
134	TROPOMI-Retrieved Underwater Light Attenuation in Three Spectral Regions in the Ultraviolet and Blue. <i>Frontiers in Marine Science</i> , 2022 , 9,	4.5	2
133	Simulating tropospheric BrO in the Arctic using an artificial neural network. <i>Atmospheric Environment</i> , 2022 , 276, 119032	5.3	
132	Overview: On the transport and transformation of pollutants in the outflow of major population centres [observational data from the EMeRGe European intensive operational period in summer 2017. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 5877-5924	6.8	0
131	Retrieval algorithm for OCLO from TROPOMI (TROPOspheric Monitoring Instrument) by differential optical absorption spectroscopy. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 7595-7625	4	1
130	An improved TROPOMI tropospheric NO ₂ research product over Europe. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 7297-7327	4	4
129	The Unusual Stratospheric Arctic Winter 2019/20: Chemical Ozone Loss From Satellite Observations and TOMCAT Chemical Transport Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD034386	4.4	9
128	Evaluation of the LOTOS-EUROS NO ₂ simulations using ground-based measurements and S5P/TROPOMI observations over Greece. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 5269-5288	6.8	4
127	Ground-based validation of the Copernicus Sentinel-5P TROPOMI NO ₂ measurements with the NDACC ZSL-DOAS, MAX-DOAS and Pandonia global networks. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 481-510	4	61
126	Retrieval and evaluation of tropospheric-aerosol extinction profiles using multi-axis differential optical absorption spectroscopy (MAX-DOAS) measurements over Athens, Greece. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 749-767	4	2
125	Evaluation of UV-visible MAX-DOAS aerosol profiling products by comparison with ceilometer, sun photometer, and in situ observations in Vienna, Austria. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 5299-5318	4	0
124	Estimation of ship emission rates at a major shipping lane by long-path DOAS measurements. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 5791-5807	4	1
123	Comparative assessment of TROPOMI and OMI formaldehyde observations and validation against MAX-DOAS network column measurements. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 12561-12593	6.8	11
122	Intercomparison of MAX-DOAS vertical profile retrieval algorithms: studies on field data from the CINDI-2 campaign. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 1-35	4	16
121	Five Years of Spatially Resolved Ground-Based MAX-DOAS Measurements of Nitrogen Dioxide in the Urban Area of Athens: Synergies with In Situ Measurements and Model Simulations. <i>Atmosphere</i> , 2021 , 12, 1634	2.7	0
120	Glyoxal tropospheric column retrievals from TROPOMI [multi-satellite intercomparison and ground-based validation. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 7775-7807	4	2
119	Comparison of tropospheric NO ₂ columns from MAX-DOAS retrievals and regional air quality model simulations. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 2795-2823	6.8	7

118	Evaluating different methods for elevation calibration of MAX-DOAS (Multi AXis Differential Optical Absorption Spectroscopy) instruments during the CINDI-2 campaign. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 685-712	4	7
117	Unexpected long-range transport of glyoxal and formaldehyde observed from the Copernicus Sentinel-5 Precursor satellite during the 2018 Canadian wildfires. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 2057-2072	6.8	20
116	Transformative Urban Changes of Beijing in the Decade of the 2000s. <i>Remote Sensing</i> , 2020 , 12, 652	5	5
115	Spatial distribution of enhanced BrO and its relation to meteorological parameters in Arctic and Antarctic sea ice regions. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 12285-12312	6.8	2
114	Long-term time series of Arctic tropospheric BrO derived from UVVIS satellite remote sensing and its relation to first-year sea ice. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 11869-11892	6.8	7
113	Pan-Arctic surface ozone: modelling vs. measurements. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 15937-15967	6.8	7
112	Intercomparison of NO ₂ , O ₄ , O ₃ and HCHO slant column measurements by MAX-DOAS and zenith-sky UV-visible spectrometers during CINDI-2. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 2169-2208	4	30
111	Satellite validation strategy assessments based on the AROMAT campaigns. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 5513-5535	4	2
110	Validation of tropospheric NO ₂ column measurements of GOME-2A and OMI using MAX-DOAS and direct sun network observations. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 6141-6174	4	12
109	Dual ground-based MAX-DOAS observations in Vienna, Austria: Evaluation of horizontal and temporal NO ₂ , HCHO, and CHOCHO distributions and comparison with independent data sets. <i>Atmospheric Environment: X</i> , 2020 , 5, 100059	2.8	14
108	Validation of Aura-OMI QA4ECV NO ₂ climate data records with ground-based DOAS networks: the role of measurement and comparison uncertainties. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 8017-8045	6.8	13
107	Detection of outflow of formaldehyde and glyoxal from the African continent to the Atlantic Ocean with a MAX-DOAS instrument. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10257-10278	6.8	9
106	Towards monitoring localized CO ₂ emissions from space: co-located regional CO ₂ and NO ₂ enhancements observed by the OCO-2 and S5P satellites. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 9371-9383	6.8	59
105	Full-azimuthal imaging-DOAS observations of NO ₂ and O ₄ during CINDI-2. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 4171-4190	4	5
104	Near-surface and path-averaged mixing ratios of NO ₂ derived from car DOAS zenith-sky and tower DOAS off-axis measurements in Vienna: a case study. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 5853-5879	6.8	7
103	Intercomparison of MAX-DOAS vertical profile retrieval algorithms: studies using synthetic data. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 2155-2181	4	21
102	Is a scaling factor required to obtain closure between measured and modelled atmospheric O ₄ absorptions? An assessment of uncertainties of measurements and radiative transfer simulations for 2 selected days during the MAD-CAT campaign. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 2745-2817	4	16
101	First high-resolution BrO column retrievals from TROPOMI. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 2913-2932	4	11

100	Concept of small satellite UV/visible imaging spectrometer optimized for tropospheric NO ₂ measurements in air quality monitoring. <i>Acta Astronautica</i> , 2019 , 160, 421-432	2.9	1
99	An improved total and tropospheric NO ₂ column retrieval for GOME-2. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 1029-1057	4	9
98	Intercomparison of four airborne imaging DOAS systems for tropospheric NO ₂ mapping in the AROMAPEX campaign. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 211-236	4	11
97	Studies of the horizontal inhomogeneities in NO ₂ concentrations above a shipping lane using ground-based multi-axis differential optical absorption spectroscopy (MAX-DOAS) measurements and validation with airborne imaging DOAS measurements. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 5959-5977	4	3
96	Global diffuse attenuation derived from vibrational Raman scattering detected in hyperspectral backscattered satellite spectra. <i>Optics Express</i> , 2019 , 27, A829-A855	3.3	4
95	Towards monitoring localized CO ₂ emissions from space: co-located regional CO ₂ and NO ₂ enhancements observed by the OCO-2 and S5P satellites 2019 ,		1
94	XBAER-derived aerosol optical thickness from OLCI/Sentinel-3 observation. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2511-2523	6.8	14
93	Investigating missing sources of glyoxal over China using a regional air quality model (RAMS-CMAQ). <i>Journal of Environmental Sciences</i> , 2018 , 71, 108-118	6.4	7
92	Vertical Profiles of Tropospheric Ozone From MAX-DOAS Measurements During the CINDI-2 Campaign: Part 1 Development of a New Retrieval Algorithm. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 10,637	4.4	8
91	Improving algorithms and uncertainty estimates for satellite NO ₂ retrievals: results from the quality assurance for the essential climate variables (QA4ECV) project. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 6651-6678	4	115
90	Aerosol profiling during the large scale field campaign CINDI-2. <i>EPJ Web of Conferences</i> , 2018 , 176, 10005.3		
89	BOREAS in new MAX-DOAS profile retrieval algorithm for aerosols and trace gases. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 6833-6859	4	19
88	GOME-2A retrievals of tropospheric NO ₂ in different spectral ranges in influence of penetration depth. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 2769-2795	4	4
87	Algorithm theoretical baseline for formaldehyde retrievals from S5P TROPOMI and from the QA4ECV project. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 2395-2426	4	73
86	Improved slant column density retrieval of nitrogen dioxide and formaldehyde for OMI and GOME-2A from QA4ECV: intercomparison, uncertainty characterisation, and trends. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 4033-4058	4	51
85	The importance of surface reflectance anisotropy for cloud and NO ₂ retrievals from GOME-2 and OMI. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 4509-4529	4	17
84	NO ₂ pollution over India observed from space in the impact of rapid economic growth, and a recent decline 2017 ,		17
83	Observation of Air Pollution in Asia Using UV/Visible Space Sensors 2017 , 287-307		

82	Monitoring shipping emissions in the German Bight using MAX-DOAS measurements. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 10997-11023	6.8	18
81	Enhanced trans-Himalaya pollution transport to the Tibetan Plateau by cut-off low systems. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 3083-3095	6.8	28
80	Space-based observation of volcanic iodine monoxide. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 4857-4870	6.8	13
79	Investigating differences in DOAS retrieval codes using MAD-CAT campaign data. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 955-978	4	17
78	High-resolution airborne imaging DOAS measurements of NO ₂ above Bucharest during AROMAT. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 1831-1857	4	16
77	Structural uncertainty in air mass factor calculation for NO ₂ and HCHO satellite retrievals. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 759-782	4	91
76	MAX-DOAS measurements of HONO slant column densities during the MAD-CAT campaign: inter-comparison, sensitivity studies on spectral analysis settings, and error budget. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 3719-3742	4	25
75	Estimates of free-tropospheric NO ₂ and HCHO mixing ratios derived from high-altitude mountain MAX-DOAS observations at midlatitudes and in the tropics. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2803-2817	6.8	16
74	Impacts of the 2014/2015 Holuhraun eruption on the UK atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 11415-11431	6.8	12
73	TIBAGS: Tropospheric Iodine Monoxide and Its Coupling to Biospheric and Atmospheric Variables – Global Satellite Study. <i>Springer Earth System Sciences</i> , 2016 , 15-34	0.3	
72	C-IFS-CB05-BASCOE: stratospheric chemistry in the Integrated Forecasting System of ECMWF. <i>Geoscientific Model Development</i> , 2016 , 9, 3071-3091	6.3	15
71	Slant column MAX-DOAS measurements of nitrogen dioxide, formaldehyde, glyoxal and oxygen dimer in the urban environment of Athens. <i>Atmospheric Environment</i> , 2016 , 135, 118-131	5.3	28
70	The application of ecological stoichiometry to plant-microbial-soil organic matter transformations. <i>Ecological Monographs</i> , 2015 , 85, 133-155	9	431
69	Investigating the Link Between Glyoxal and Biogenic Activities. <i>Springer Earth System Sciences</i> , 2015 , 59-65	0.3	1
68	Estimates of NO _x Emission Factors from GOME-2 Measurements for the Major Types of Open Biomass Burning. <i>Springer Earth System Sciences</i> , 2015 , 67-75	0.3	
67	Evolution of NO ₂ levels in Spain from 1996 to 2012. <i>Scientific Reports</i> , 2014 , 4, 5887	4.9	21
66	Convective forcing of mercury and ozone in the Arctic boundary layer induced by leads in sea ice. <i>Nature</i> , 2014 , 506, 81-4	50.4	65
65	Validation strategy for satellite observations of tropospheric reactive gases. <i>Annals of Geophysics</i> , 2014 ,	1.1	8

64	The effects of rapid urbanization on the levels in tropospheric nitrogen dioxide and ozone over East China. <i>Atmospheric Environment</i> , 2013 , 77, 558-567	5.3	49
63	Satellite remote sensing of changes in NO _x emissions over China during 1996-2010. <i>Science Bulletin</i> , 2012 , 57, 2857-2864		97
62	Uncertainties in the inverse modelling of sulphur dioxide eruption profiles. <i>Geomatics, Natural Hazards and Risk</i> , 2012 , 3, 97-97	3.6	
61	Exploring the missing source of glyoxal (CHOCHO) over China. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	73
60	Field and satellite observations of the formation and distribution of Arctic atmospheric bromine above a rejuvenated sea ice cover. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		38
59	The impact of North American anthropogenic emissions and lightning on long-range transport of trace gases and their export from the continent during summers 2002 and 2004. <i>Journal of Geophysical Research</i> , 2011 , 116,		16
58	SO ₂ emissions and lifetimes: Estimates from inverse modeling using in situ and global, space-based (SCIAMACHY and OMI) observations. <i>Journal of Geophysical Research</i> , 2011 , 116,		182
57	A feasibility study for the detection of the diurnal variation of tropospheric NO ₂ over Tokyo from a geostationary orbit. <i>Advances in Space Research</i> , 2011 , 48, 1551-1564	2.4	4
56	Megacities as hot spots of air pollution in the East Mediterranean. <i>Atmospheric Environment</i> , 2011 , 45, 1223-1235	5.3	196
55	Long-term change in the nitrogen cycle of tropical forests. <i>Science</i> , 2011 , 334, 664-6	33.3	203
54	Uncertainties in the inverse modelling of sulphur dioxide eruption profiles. <i>Geomatics, Natural Hazards and Risk</i> , 2011 , 2, 201-216	3.6	26
53	The Use of UV, Visible and Near IR Solar Back Scattered Radiation to Determine Trace Gases. <i>Physics of Earth and Space Environments</i> , 2011 , 67-121		13
52	Satellite Monitoring of Nitrogen Oxide Emissions. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2011 , 219-234	0.3	
51	Testing and improving OMI DOMINO tropospheric NO ₂ using observations from the DANDELIONS and INTEX-B validation campaigns. <i>Journal of Geophysical Research</i> , 2010 , 115,		90
50	Comparison of satellite observed tropospheric NO ₂ over India with model simulations. <i>Atmospheric Environment</i> , 2010 , 44, 3314-3321	5.3	51
49	Application of high-mobility-group-A proteins increases the proliferative activity of chondrocytes in vitro. <i>Tissue Engineering - Part A</i> , 2009 , 15, 473-7	3.9	12
48	Regional NO _x emission inversion through a four-dimensional variational approach using SCIAMACHY tropospheric NO ₂ column observations. <i>Atmospheric Environment</i> , 2009 , 43, 5046-5055	5.3	48
47	Retrieval of vertical columns of sulfur dioxide from SCIAMACHY and OMI: Air mass factor algorithm development, validation, and error analysis. <i>Journal of Geophysical Research</i> , 2009 , 114,		93

46	Remote Sensing of Tropospheric Trace Gases (NO ₂ and SO ₂) from SCIAMACHY 2009 , 63-72		1
45	Impact of transport of sulfur dioxide from the Asian continent on the air quality over Korea during May 2005. <i>Atmospheric Environment</i> , 2008 , 42, 1461-1475	5.3	34
44	Atmospheric mercury depletion event study in Ny-Alesund (Svalbard) in spring 2005. Deposition and transformation of Hg in surface snow during springtime. <i>Science of the Total Environment</i> , 2008 , 397, 167-77	10.2	44
43	Remote Sensing of Tropospheric Pollution from Space. <i>Bulletin of the American Meteorological Society</i> , 2008 , 89, 805-822	6.1	91
42	Genomic characterisation, chromosomal assignment and in vivo localisation of the canine high mobility group A1 (HMGA1) gene. <i>BMC Genetics</i> , 2008 , 9, 49	2.6	1
41	The sensitivity of Western European NO ₂ columns to interannual variability of meteorology and emissions: a model-GOME study. <i>Atmospheric Science Letters</i> , 2008 , 9, 182-188	2.4	6
40	Forest fire plumes over the North Atlantic: p-TOMCAT model simulations with aircraft and satellite measurements from the ITOP/ICARTT campaign. <i>Journal of Geophysical Research</i> , 2007 , 112,		49
39	NO _x emission trends for China, 1995-2004: The view from the ground and the view from space. <i>Journal of Geophysical Research</i> , 2007 , 112,		386
38	Atmosphärische Spurenstoffe und ihre Sondierung. <i>Chemie in Unserer Zeit</i> , 2007 , 41, 170-191	0.2	
37	Variations of the increasing trend of tropospheric NO ₂ over central east China during the past decade. <i>Atmospheric Environment</i> , 2007 , 41, 4865-4876	5.3	77
36	Comparison of model-simulated tropospheric NO ₂ over China with GOME-satellite data. <i>Atmospheric Environment</i> , 2006 , 40, 593-604	5.3	55
35	Chemical characterization of air pollution in Eastern China and the Eastern United States. <i>Atmospheric Environment</i> , 2006 , 40, 2607-2625	5.3	109
34	Regional NO _x emission strength for the Indian subcontinent and the impact of emissions from India and neighboring countries on regional O ₃ chemistry. <i>Journal of Geophysical Research</i> , 2006 , 111,		33
33	Measurements of nitrogen dioxide total column amounts using a Brewer double spectrophotometer in direct Sun mode. <i>Journal of Geophysical Research</i> , 2006 , 111,		58
32	Observation of a fast ozone loss in the marginal ice zone of the Arctic Ocean. <i>Journal of Geophysical Research</i> , 2006 , 111,		49
31	Simultaneous global observations of glyoxal and formaldehyde from space. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	237
30	A study of the trace gas columns of O ₃ , NO ₂ and HCHO over Africa in September 1997. <i>Faraday Discussions</i> , 2005 , 130, 387-405; discussion 491-517, 519-24	3.6	28
29	Satellite measurements of daily variations in soil NO _x emissions. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	70

28	GOME Observations of Stratospheric Trace Gas Distributions during the Splitting Vortex Event in the Antarctic Winter of 2002. Part I: Measurements. <i>Journals of the Atmospheric Sciences</i> , 2005 , 62, 778-785	2.1	31
27	Increase in tropospheric nitrogen dioxide over China observed from space. <i>Nature</i> , 2005 , 437, 129-32	50.4	1116
26	Analysis of tropospheric NO _x over Asia using the model of atmospheric transport and chemistry (MATCH-MPIC) and GOME-satellite observations. <i>Atmospheric Environment</i> , 2004 , 38, 581-596	5.3	71
25	Semiannual NO ₂ plumes during the monsoon transition periods over the central Indian Ocean. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	13
24	Satellite measurements of NO ₂ from international shipping emissions. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	117
23	BrO emission from volcanoes: A survey using GOME and SCIAMACHY measurements. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	58
22	First comparison between ground-based and satellite-borne measurements of tropospheric nitrogen dioxide in the Po basin. <i>Journal of Geophysical Research</i> , 2004 , 109,		58
21	The canine HMGA1. <i>Gene</i> , 2004 , 330, 93-9	3.8	1
20	Retrieval of profile information from airborne multi-axis UV-visible skylight absorption measurements. <i>Applied Optics</i> , 2004 , 43, 4415-26	1.7	26
19	Quantification of Tropospheric Measurements from Nadir Viewing UV/Visible Instruments 2004 , 137-147		
18	First Validation of Tropospheric NO ₂ Column Densities Retrieved from GOME by in situ Aircraft Profile Measurements 2004 , 265-270		
17	Studies of NO ₂ from Lightning and Convective Uplifting using GOME Data 2004 , 297-306		2
16	Antarctic springtime depletion of atmospheric mercury. <i>Environmental Science & Technology</i> , 2002 , 36, 1238-44	10.3	273
15	Dynamic oxidation of gaseous mercury in the Arctic troposphere at polar sunrise. <i>Environmental Science & Technology</i> , 2002 , 36, 1245-56	10.3	484
14	First comparison of tropospheric NO ₂ column densities retrieved from GOME measurements and in situ aircraft profile measurements. <i>Geophysical Research Letters</i> , 2002 , 29, 44-1-44-4	4.9	43
13	Magnification of atmospheric mercury deposition to polar regions in springtime: The link to tropospheric ozone depletion chemistry. <i>Geophysical Research Letters</i> , 2001 , 28, 3219-3222	4.9	190
12	Global tropospheric NO ₂ column distributions: Comparing three-dimensional model calculations with GOME measurements. <i>Journal of Geophysical Research</i> , 2001 , 106, 12643-12660		82
11	Enhanced O ₃ and NO ₂ in thunderstorm clouds: Convection or production?. <i>Geophysical Research Letters</i> , 1999 , 26, 1291-1294	4.9	37

10	The Global Ozone Monitoring Experiment (GOME): Mission Concept and First Scientific Results. <i>Journals of the Atmospheric Sciences</i> , 1999 , 56, 151-175	2.1	888
9	GOME observations of tropospheric BrO in northern hemispheric spring and summer 1997. <i>Geophysical Research Letters</i> , 1998 , 25, 2683-2686	4.9	217
8	First observation of the OIO molecule by time-resolved flash photolysis absorption spectroscopy. <i>Chemical Physics Letters</i> , 1996 , 251, 330-334	2.5	54
7	Pan-Arctic surface ozone: modelling vs measurements		2
6	Intercomparison of four airborne imaging DOAS systems for tropospheric NO ₂ ; mapping ¶The AROMAPEX campaign		2
5	Studies of the horizontal inhomogeneities in NO ₂ concentrations above a shipping lane using ground-based MAX-DOAS and airborne imaging DOAS measurements		2
4	Intercomparison of MAX-DOAS Vertical Profile Retrieval Algorithms: Studies using Synthetic Data		4
3	Intercomparison of NO ₂ , O ₄ , O ₃ and HCHO slant column measurements by MAX-DOAS and zenith-sky UV-Visible spectrometers during the CINDI-2 campaign		5
2	Intercomparison of MAX-DOAS vertical profile retrieval algorithms: studies on field data from the CINDI-2 campaign		10
1	Validation of tropospheric NO ₂ column measurements of GOME-2A and OMI using MAX-DOAS and direct sun network observations		3