

Andreas Richter

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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	Increase in tropospheric nitrogen dioxide over China observed from space. <i>Nature</i> , 2005 , 437, 129-32	50.4	1116
134	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
133	Dynamic oxidation of gaseous mercury in the Arctic troposphere at polar sunrise. <i>Environmental Science & Technology</i> , 2002 , 36, 1245-56	10.3	484
132	The application of ecological stoichiometry to plant-microbial-soil organic matter transformations. <i>Ecological Monographs</i> , 2015 , 85, 133-155	9	431
131	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
130	Antarctic springtime depletion of atmospheric mercury. <i>Environmental Science & Technology</i> , 2002 , 36, 1238-44	10.3	273
129	Simultaneous global observations of glyoxal and formaldehyde from space. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	237
128	GOME observations of tropospheric BrO in northern hemispheric spring and summer 1997. <i>Geophysical Research Letters</i> , 1998 , 25, 2683-2686	4.9	217
127	Long-term change in the nitrogen cycle of tropical forests. <i>Science</i> , 2011 , 334, 664-6	33.3	203
126	Megacities as hot spots of air pollution in the East Mediterranean. <i>Atmospheric Environment</i> , 2011 , 45, 1223-1235	5.3	196
125	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
124	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
123	Satellite measurements of NO ₂ from international shipping emissions. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	117
122	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
121	Chemical characterization of air pollution in Eastern China and the Eastern United States. <i>Atmospheric Environment</i> , 2006 , 40, 2607-2625	5.3	109
120	Satellite remote sensing of changes in NO _x emissions over China during 1996-2010. <i>Science Bulletin</i> , 2012 , 57, 2857-2864		97
119	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

118	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
117	Remote Sensing of Tropospheric Pollution from Space. <i>Bulletin of the American Meteorological Society</i> , 2008 , 89, 805-822	6.1	91
116	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
115	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
114	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
113	Exploring the missing source of glyoxal (CHOCHO) over China. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	73
112	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
111	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
110	Satellite measurements of daily variations in soil NO _x emissions. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	70
109	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
108	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
107	Towards monitoring localized CO emissions from space: co-located regional CO 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
106	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
105	BrO emission from volcanoes: A survey using GOME and SCIAMACHY measurements. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	58
104	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
103	Comparison of model-simulated tropospheric NO ₂ over China with GOME-satellite data. <i>Atmospheric Environment</i> , 2006 , 40, 593-604	5.3	55
102	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
101	Comparison of satellite observed tropospheric NO ₂ over India with model simulations. <i>Atmospheric Environment</i> , 2010 , 44, 3314-3321	5.3	51

100	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
99	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
98	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
97	Observation of a fast ozone loss in the marginal ice zone of the Arctic Ocean. <i>Journal of Geophysical Research</i> , 2006 , 111,		49
96	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
95	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
94	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
93	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
92	Enhanced O ₃ and NO ₂ in thunderstorm clouds: Convection or production?. <i>Geophysical Research Letters</i> , 1999 , 26, 1291-1294	4.9	37
91	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
90	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
89	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		31
88	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
87	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
86	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
85	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
84	Uncertainties in the inverse modelling of sulphur dioxide eruption profiles. <i>Geomatics, Natural Hazards and Risk</i> , 2011 , 2, 201-216	3.6	26
83	Retrieval of profile information from airborne multiaxis UV-visible skylight absorption measurements. <i>Applied Optics</i> , 2004 , 43, 4415-26	1.7	26

82	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
81	Intercomparison of MAX-DOAS vertical profile retrieval algorithms: studies using synthetic data. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 2155-2181	4	21
80	Evolution of NO ₂ levels in Spain from 1996 to 2012. <i>Scientific Reports</i> , 2014 , 4, 5887	4.9	21
79	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
78	BOREAS: A new MAX-DOAS profile retrieval algorithm for aerosols and trace gases. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 6833-6859	4	19
77	Monitoring shipping emissions in the German Bight using MAX-DOAS measurements. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 10997-11023	6.8	18
76	NO ₂ pollution over India observed from space: the impact of rapid economic growth, and a recent decline 2017 ,		17
75	Investigating differences in DOAS retrieval codes using MAD-CAT campaign data. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 955-978	4	17
74	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
73	Is a scaling factor required to obtain closure between measured and modelled atmospheric O ₃ 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, 3715-3817	4	16
72	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
71	High-resolution airborne imaging DOAS measurements of NO ₂ above Bucharest during AROMAT. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 1831-1857	4	16
70	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
69	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
68	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
67	XBAER-derived aerosol optical thickness from OLCI/Sentinel-3 observation. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2511-2523	6.8	14
66	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
65	Space-based observation of volcanic iodine monoxide. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 4857-4870	6.8	13

64	Semiannual NO ₂ plumes during the monsoon transition periods over the central Indian Ocean. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	13
63	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
62	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
61	Impacts of the 2014/2015 Holuhraun eruption on the UK atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 11415-11431	6.8	12
60	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
59	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
58	First high-resolution BrO column retrievals from TROPOMI. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 2913-2932	4	11
57	Intercomparison of four airborne imaging DOAS systems for tropospheric NO ₂ ; mapping the AROMAPEX campaign. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 211-236	4	11
56	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
55	Intercomparison of MAX-DOAS vertical profile retrieval algorithms: studies on field data from the CINDI-2 campaign		10
54	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
53	An improved total and tropospheric NO ₂ column retrieval for GOME-2. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 1029-1057	4	9
52	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
51	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
50	Validation strategy for satellite observations of tropospheric reactive gases. <i>Annals of Geophysics</i> , 2014 ,	1.1	8
49	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
48	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
47	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

46	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
45	Long-term time series of Arctic tropospheric BrO derived from UV-Vis satellite remote sensing and its relation to first-year sea ice. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 11869-11892	6.8	7
44	Pan-Arctic surface ozone: modelling vs. measurements. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 15937-15967	6.8	7
43	The sensitivity of Western European NO ₂ columns to interannual variability of meteorology and emissions: a model-TOME study. <i>Atmospheric Science Letters</i> , 2008 , 9, 182-188	2.4	6
42	Full-azimuthal imaging-DOAS observations of NO ₂ , O ₃ and HCHO during CINDI-2. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 4171-4190	4	5
41	Transformative Urban Changes of Beijing in the Decade of the 2000s. <i>Remote Sensing</i> , 2020 , 12, 652	5	5
40	Intercomparison of NO ₂ , O ₃ , O ₃ and HCHO slant column measurements by MAX-DOAS and zenith-sky UV-Visible spectrometers during the CINDI-2 campaign		5
39	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
38	An improved TROPOMI tropospheric NO ₂ research product over Europe. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 7297-7327	4	4
37	Intercomparison of MAX-DOAS Vertical Profile Retrieval Algorithms: Studies using Synthetic Data		4
36	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
35	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
34	GOME-2A retrievals of tropospheric NO ₂ in different spectral ranges: influence of penetration depth. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 2769-2795	4	4
33	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
32	Validation of tropospheric NO ₂ column measurements of GOME-2A and OMI using MAX-DOAS and direct sun network observations		3
31	Pan-Arctic surface ozone: modelling vs measurements		2
30	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
29	Satellite validation strategy assessments based on the AROMAT campaigns. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 5513-5535	4	2

28	Intercomparison of four airborne imaging DOAS systems for tropospheric NO ₂ ; mapping The AROMAPEX campaign		2
27	Studies of the horizontal inhomogeneities in NO ₂ concentrations above a shipping lane using ground-based MAX-DOAS and airborne imaging DOAS measurements		2
26	Studies of NO ₂ from Lightning and Convective Uplifting using GOME Data 2004 , 297-306		2
25	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
24	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
23	Glyoxal tropospheric column retrievals from TROPOMI multi-satellite intercomparison and ground-based validation. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 7775-7807	4	2
22	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
21	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
20	The canine HMGA1. <i>Gene</i> , 2004 , 330, 93-9	3.8	1
19	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
18	Investigating the Link Between Glyoxal and Biogenic Activities. <i>Springer Earth System Sciences</i> , 2015 , 59-65	0.3	1
17	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
16	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
15	Remote Sensing of Tropospheric Trace Gases (NO ₂ and SO ₂) from SCIAMACHY 2009 , 63-72		1
14	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
13	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
12	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
11	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

- 10 Observation of Air Pollution in Asia Using UV/Visible Space Sensors **2017**, 287-307
- 9 Uncertainties in the inverse modelling of sulphur dioxide eruption profiles. *Geomatics, Natural Hazards and Risk*, **2012**, 3, 97-97 3.6
- 8 Atmosphärische Spurenstoffe und ihre Sondierung. *Chemie in Unserer Zeit*, **2007**, 41, 170-191 0.2
- 7 Quantification of Tropospheric Measurements from Nadir Viewing UV/Visible Instruments **2004**, 137-147
- 6 First Validation of Tropospheric NO₂ Column Densities Retrieved from GOME by in situ Aircraft Profile Measurements **2004**, 265-270
- 5 Estimates of NO_x Emission Factors from GOME-2 Measurements for the Major Types of Open Biomass Burning. *Springer Earth System Sciences*, **2015**, 67-75 0.3
- 4 TIBAGS: Tropospheric Iodine Monoxide and Its Coupling to Biospheric and Atmospheric Variables – Global Satellite Study. *Springer Earth System Sciences*, **2016**, 15-34 0.3
- 3 Satellite Monitoring of Nitrogen Oxide Emissions. *NATO Science for Peace and Security Series C: Environmental Security*, **2011**, 219-234 0.3
- 2 Aerosol profiling during the large scale field campaign CINDI-2. *EPJ Web of Conferences*, **2018**, 176, 10005.3
- 1 Simulating tropospheric BrO in the Arctic using an artificial neural network. *Atmospheric Environment*, **2022**, 276, 119032 5.3