

# Klaas Folkert Boersma

## List of Publications by Year in descending order

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121  
papers

13,645  
citations

17440

63  
h-index

26610

107  
g-index

197  
all docs

197  
docs citations

197  
times ranked

6940  
citing authors

#	ARTICLE	IF	CITATIONS
1	Error analysis for tropospheric NO <sub>2</sub> retrieval from space. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	606
2	An improved tropospheric NO <sub>2</sub> column retrieval algorithm for the Ozone Monitoring Instrument. Atmospheric Measurement Techniques, 2011, 4, 1905-1928.	3.1	550
3	Aura OMI observations of regional SO <sub>2</sub> and NO <sub>2</sub> pollution changes from 2005 to 2015. Atmospheric Chemistry and Physics, 2016, 16, 4605-4629.	4.9	521
4	Near-real time retrieval of tropospheric NO <sub>2</sub> from OMI. Atmospheric Chemistry and Physics, 2007, 7, 2103-2118.	4.9	469
5	Megacity Emissions and Lifetimes of Nitrogen Oxides Probed from Space. Science, 2011, 333, 1737-1739.	12.6	402
6	Transpacific transport of ozone pollution and the effect of recent Asian emission increases on air quality in North America: an integrated analysis using satellite, aircraft, ozonesonde, and surface observations. Atmospheric Chemistry and Physics, 2008, 8, 6117-6136.	4.9	369
7	Trends, seasonal variability and dominant NO <sub>x</sub> source derived from a ten year record of NO <sub>2</sub> measured from space. Journal of Geophysical Research, 2008, 113, .	3.3	352
8	A new stratospheric and tropospheric NO <sub>2</sub> retrieval algorithm for nadir-viewing satellite instruments: applications to OMI. Atmospheric Measurement Techniques, 2013, 6, 2607-2626.	3.1	269
9	Averaging kernels for DOAS total-column satellite retrievals. Atmospheric Chemistry and Physics, 2003, 3, 1285-1291.	4.9	266
10	Algorithm for NO <sub>2</sub> vertical column retrieval from the ozone monitoring instrument. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 1245-1258.	6.3	261
11	The Ozone Monitoring Instrument: overview of 14 years in space. Atmospheric Chemistry and Physics, 2018, 18, 5699-5745.	4.9	259
12	Rapid increases in tropospheric ozone production and export from China. Nature Geoscience, 2015, 8, 690-695.	12.9	256
13	The global chemistry transport model TM5: description and evaluation of the tropospheric chemistry version 3.0. Geoscientific Model Development, 2010, 3, 445-473.	3.6	251
14	Detection of the trend and seasonal variation in tropospheric NO <sub>2</sub> over China. Journal of Geophysical Research, 2006, 111, .	3.3	247
15	Spatial distribution of isoprene emissions from North America derived from formaldehyde column measurements by the OMI satellite sensor. Journal of Geophysical Research, 2008, 113, .	3.3	234
16	Decadal changes in global surface NO <sub>2</sub> emissions from multi-constituent satellite data assimilation. Atmospheric Chemistry and Physics, 2017, 17, 807-837.	4.9	228
17	Indirect validation of tropospheric nitrogen dioxide retrieved from the OMI satellite instrument: Insight into the seasonal variation of nitrogen oxides at northern midlatitudes. Journal of Geophysical Research, 2010, 115, .	3.3	218
18	High-Resolution Mapping of Nitrogen Dioxide With TROPOMI: First Results and Validation Over the Canadian Oil Sands. Geophysical Research Letters, 2019, 46, 1049-1060.	4.0	209

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19	Validation of urban NO <sub>2</sub> concentrations and their diurnal and seasonal variations observed from the SCIAMACHY and OMI sensors using in situ surface measurements in Israeli cities. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3867-3879.	4.9	205
20	Validation of OMI tropospheric NO <sub>2</sub> observations during INTEX-B and application to constrain NO <sub>x</sub> emissions over the eastern United States and Mexico. <i>Atmospheric Environment</i> , 2008, 42, 4480-4497.	4.1	190
21	Improving algorithms and uncertainty estimates for satellite NO <sub>2</sub> retrievals: results from the quality assurance for the essential climate variables (QA4ECV) project. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6651-6678.	3.1	187
22	S5P TROPOMI NO <sub>2</sub> slant column retrieval: method, stability, uncertainties and comparisons with OMI. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 1315-1335.	3.1	170
23	Constraint of anthropogenic NO <sub>x</sub> emissions in China from different sectors: a new methodology using multiple satellite retrievals. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 63-78.	4.9	166
24	Intercomparison of SCIAMACHY and OMI tropospheric NO <sub>2</sub> columns: Observing the diurnal evolution of chemistry and emissions from space. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	165
25	Comparison of OMI NO <sub>2</sub> tropospheric columns with an ensemble of global and European regional air quality models. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 3273-3296.	4.9	165
26	Evaluating a Space-Based Indicator of Surface Ozone-NO <sub>x</sub> -VOC Sensitivity Over Midlatitude Source Regions and Application to Decadal Trends. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10-461.	3.3	165
27	Retrieving tropospheric nitrogen dioxide from the Ozone Monitoring Instrument: effects of aerosols, surface reflectance anisotropy, and vertical profile of nitrogen dioxide. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1441-1461.	4.9	159
28	Reductions in nitrogen oxides over Europe driven by environmental policy and economic recession. <i>Scientific Reports</i> , 2012, 2, 265.	3.3	157
29	Eight-component retrievals from ground-based MAX-DOAS observations. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 1027-1044.	3.1	150
30	Ground-based validation of the Copernicus Sentinel-5P TROPOMI NO <sub>2</sub> measurements with the NDACC ZSL-DOAS, MAX-DOAS and Pandonia global networks. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 481-510.	3.1	142
31	Assessing the distribution and growth rates of NO <sub>x</sub> emission sources by inverting a 10-year record of NO <sub>2</sub> satellite columns. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	140
32	Unexpected slowdown of US pollutant emission reduction in the past decade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5099-5104.	7.1	137
33	Satellite-based estimates of decline and rebound in China's CO <sub>2</sub> emissions during COVID-19 pandemic. <i>Science Advances</i> , 2020, 6, .	10.3	136
34	Worldwide biogenic soil NO <sub>x</sub> emissions inferred from OMI NO <sub>2</sub> observations. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10363-10381.	4.9	134
35	Structural uncertainty in air mass factor calculation for NO <sub>2</sub> and HCHO satellite retrievals. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 759-782.	3.1	133
36	Inferring Changes in Summertime Surface Ozone-NO <sub>x</sub> -VOC Chemistry over U.S. Urban Areas from Two Decades of Satellite and Ground-Based Observations. <i>Environmental Science &amp; Technology</i> , 2020, 54, 6518-6529.	10.0	133

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37	Improved satellite retrievals of NO <sub>2</sub> and SO <sub>2</sub> over the Canadian oil sands and comparisons with surface measurements. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3637-3656.	4.9	132
38	Simultaneous assimilation of satellite NO <sub>2</sub> , O <sub>3</sub> , CO, and HNO <sub>3</sub> data for the analysis of tropospheric chemical composition and emissions. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9545-9579.	4.9	130
39	Multi-model ensemble simulations of tropospheric NO <sub>2</sub> compared with GOME retrievals for the year 2000. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 2943-2979.	4.9	127
40	Algorithm theoretical baseline for formaldehyde retrievals from S5P TROPOMI and from the QA4ECV project. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 2395-2426.	3.1	127
41	Key chemical NO <sub>x</sub> sink uncertainties and how they influence top-down emissions of nitrogen oxides. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 9057-9082.	4.9	125
42	Comparison of tropospheric NO <sub>2</sub> from in situ aircraft measurements with near-real-time and standard product data from OMI. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	122
43	Air quality over the Canadian oil sands: A first assessment using satellite observations. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	120
44	Trends and trend reversal detection in 2 decades of tropospheric NO <sub>2</sub> satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6269-6294.	4.9	119
45	Reductions of NO <sub>2</sub> detected from space during the 2008 Beijing Olympic Games. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	113
46	Estimates of lightning NO <sub>x</sub> production from GOME satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 2311-2331.	4.9	111
47	The high-resolution version of TM5-MP for optimized satellite retrievals: description and validation. <i>Geoscientific Model Development</i> , 2017, 10, 721-750.	3.6	108
48	Validation of OMI tropospheric NO <sub>2</sub> column densities using direct Sun mode Brewer measurements at NASA Goddard Space Flight Center. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	106
49	Intercomparison of slant column measurements of NO <sub>2</sub> and O <sub>3</sub> by MAX-DOAS and zenith-sky UV and visible spectrometers. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 1629-1646.	3.1	106
50	Quantitative bias estimates for tropospheric NO <sub>2</sub> columns retrieved from SCIAMACHY, OMI, and GOME-2 using a common standard for East Asia. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 2403-2411.	3.1	105
51	Intercomparison of SCIAMACHY nitrogen dioxide observations, in situ measurements and air quality modeling results over Western Europe. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	103
52	Testing and improving OMI DOMINO tropospheric NO <sub>2</sub> using observations from the DANDELIONS and INTEx validation campaigns. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	103
53	Evaluation of stratospheric NO <sub>2</sub> retrieved from the Ozone Monitoring Instrument: Intercomparison, diurnal cycle, and trending. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	96
54	Accounting for non-linear chemistry of ship plumes in the GEOS-Chem global chemistry transport model. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11707-11722.	4.9	91

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55	An aerosol boomerang: Rapid around-the-world transport of smoke from the December 2006 Australian forest fires observed from space. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	90
56	An improved tropospheric NO <sub>2</sub> retrieval for OMI observations in the vicinity of mountainous terrain. <i>Atmospheric Measurement Techniques</i> , 2009, 2, 401-416.	3.1	88
57	Constraints on ship NO <sub>x</sub> emissions in Europe using GEOS-Chem and OMI satellite NO <sub>2</sub> observations. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1353-1369.	4.9	87
58	Evaluations of NO <sub>x</sub> and highly reactive VOC emission inventories in Texas and their implications for ozone plume simulations during the Texas Air Quality Study 2006. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11361-11386.	4.9	85
59	SCIAMACHY tropospheric NO <sub>2</sub> over Switzerland: estimates of NO <sub>x</sub> lifetimes and impact of the complex Alpine topography on the retrieval. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5971-5987.	4.9	83
60	The Cabauw Intercomparison campaign for Nitrogen Dioxide measuring Instruments (CINDI): design, execution, and early results. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 457-485.	3.1	83
61	Influence of aerosols and surface reflectance on satellite NO <sub>2</sub> retrieval: seasonal and spatial characteristics and implications for NO <sub>2</sub> emission constraints. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11217-11241.	4.9	75
62	Improved aerosol correction for OMI tropospheric NO <sub>2</sub> retrieval over East Asia: constraint from CALIOP aerosol vertical profile. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 1-21.	3.1	75
63	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.	3.1	74
64	Sentinel-5P TROPOMI NO <sub>2</sub> retrieval: impact of version v2.2 improvements and comparisons with OMI and ground-based data. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 2037-2060.	3.1	74
65	Tropospheric vertical distribution of tropical Atlantic ozone observed by TES during the northern African biomass burning season. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	71
66	Improved spectral fitting of nitrogen dioxide from OMI in the 405–465 nm window. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 1685-1699.	3.1	71
67	Assessment of the quality of TROPOMI high-spatial-resolution NO <sub>2</sub> data products in the Greater Toronto Area. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2131-2159.	3.1	69
68	Global satellite analysis of the relation between aerosols and short-lived trace gases. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1255-1267.	4.9	65
69	Traffic restrictions associated with the Sino-African summit: Reductions of NO <sub>x</sub> detected from space. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	63
70	What can we learn about ship emission inventories from measurements of air pollutants over the Mediterranean Sea?. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 6815-6831.	4.9	58
71	Comparison of GOME tropospheric NO <sub>2</sub> columns with NO <sub>2</sub> profiles deduced from ground-based in situ measurements. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 3211-3229.	4.9	57
72	Satellite observations indicate substantial spatiotemporal variability in biomass burning NO <sub>x</sub> emission factors for South America. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3929-3943.	4.9	57

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73	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.	4.9	57
74	Representativeness errors in comparing chemistry transport and chemistry climate models with satellite UV-Vis tropospheric column retrievals. <i>Geoscientific Model Development</i> , 2016, 9, 875-898.	3.6	55
75	Updated tropospheric chemistry reanalysis and emission estimates, TCR-2, for 2005–2018. <i>Earth System Science Data</i> , 2020, 12, 2223-2259.	9.9	54
76	Accounting for surface reflectance anisotropy in satellite retrievals of tropospheric NO <sub>2</sub> . <i>Atmospheric Measurement Techniques</i> , 2010, 3, 1185-1203.	3.1	53
77	A Decade of Change in NO <sub>2</sub> and SO <sub>2</sub> over the Canadian Oil Sands As Seen from Space. <i>Environmental Science &amp; Technology</i> , 2016, 50, 331-337.	10.0	52
78	Balance of Emission and Dynamical Controls on Ozone During the Korea–United States Air Quality Campaign From Multiconstituent Satellite Data Assimilation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 387-413.	3.3	51
79	Substantial Underestimation of Post-Harvest Burning Emissions in the North China Plain Revealed by Multi-Species Space Observations. <i>Scientific Reports</i> , 2016, 6, 32307.	3.3	49
80	Ozone production in boreal fire smoke plumes using observations from the Tropospheric Emission Spectrometer and the Ozone Monitoring Instrument. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	48
81	Warmer spring alleviated the impacts of 2018 European summer heatwave and drought on vegetation photosynthesis. <i>Agricultural and Forest Meteorology</i> , 2020, 295, 108195.	4.8	48
82	Comparison of OMI NO <sub>2</sub> observations and their seasonal and weekly cycles with ground-based measurements in Helsinki. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 5203-5212.	3.1	46
83	Anthropogenic emissions of NO <sub>x</sub> over China: Reconciling the difference of inverse modeling results using COME-2 and OMI measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 7732-7740.	3.3	45
84	OMI tropospheric NO <sub>2</sub> air mass factors over South America: effects of biomass burning aerosols. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 3831-3849.	3.1	43
85	Satellite NO <sub>2</sub> data improve national land use regression models for ambient NO <sub>2</sub> in a small densely populated country. <i>Atmospheric Environment</i> , 2015, 105, 173-180.	4.1	43
86	The global economic cycle and satellite-derived NO <sub>2</sub> trends over shipping lanes. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	42
87	Comparing OMI-based and EPA AQS in situ NO <sub>2</sub> trends: towards understanding surface NO <sub>2</sub> emission changes. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 3955-3967.	3.1	41
88	Validation of six years of TES tropospheric ozone retrievals with ozonesonde measurements: implications for spatial patterns and temporal stability in the bias. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 1413-1423.	3.1	39
89	European NO <sub>2</sub> emissions in WRF-Chem derived from OMI: impacts on summertime surface ozone. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11821-11841.	4.9	39
90	A new TROPOMI product for tropospheric NO <sub>2</sub> columns over East Asia with explicit aerosol corrections. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 4247-4259.	3.1	38



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91	Ships going slow in reducing their NO <sub>x</sub> emissions: changes in 2005–2012 ship exhaust inferred from satellite measurements over Europe. <i>Environmental Research Letters</i> , 2015, 10, 074007.	5.2	34
92	Satellite observations and model simulations of tropospheric NO <sub>2</sub> columns over south-eastern Europe. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 6119-6134.	4.9	32
93	Evaluation of high resolution simulated and OMI retrieved tropospheric NO <sub>2</sub> column densities over Southeastern Europe. <i>Atmospheric Research</i> , 2013, 122, 55-66.	4.1	31
94	Validation of tropospheric NO <sub>2</sub> column measurements of GOME-2A and OMI using MAX-DOAS and direct sun network observations. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 6141-6174.	3.1	31
95	Validation of Aura-OMI QA4ECV NO <sub>2</sub> 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.	4.9	29
96	Analysis of stratospheric NO <sub>2</sub> trends above Jungfraujoch using ground-based UV-visible, FTIR, and satellite nadir observations. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8851-8864.	4.9	27
97	Towards a Traceable Climate Service: Assessment of Quality and Usability of Essential Climate Variables. <i>Remote Sensing</i> , 2019, 11, 1186.	4.0	26
98	The zonal structure of tropical O <sub>3</sub> and CO as observed by the Tropospheric Emission Spectrometer in November 2004 – Part 2: Impact of surface emissions on O <sub>3</sub> and its precursors. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3563-3582.	4.9	25
99	Intercomparison of daytime stratospheric NO <sub>2</sub> satellite retrievals and model simulations. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 2203-2225.	3.1	25
100	Identification of surface NO <sub>x</sub> emission sources on a regional scale using OMI NO <sub>2</sub> . <i>Atmospheric Environment</i> , 2015, 101, 82-93.	4.1	25
101	The importance of surface reflectance anisotropy for cloud and NO <sub>2</sub> retrievals from GOME-2 and OMI. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 4509-4529.	3.1	25
102	Characterization of OMI tropospheric NO <sub>2</sub> over the Baltic Sea region. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 7795-7805.	4.9	24
103	Top-Down NO <sub>x</sub> Emissions of European Cities Based on the Downwind Plume of Modelled and Space-Borne Tropospheric NO <sub>2</sub> Columns. <i>Sensors</i> , 2018, 18, 2893.	3.8	24
104	Quantifying burning efficiency in megacities using the NO <sub>2</sub> /CO ratio from the Tropospheric Monitoring Instrument (TROPOMI). <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10295-10310.	4.9	23
105	Quality Assurance Framework Development Based on Six New ECV Data Products to Enhance User Confidence for Climate Applications. <i>Remote Sensing</i> , 2018, 10, 1254.	4.0	20
106	Improved monitoring of shipping NO <sub>2</sub> with TROPOMI: decreasing NO <sub>2</sub> emissions in European seas during the COVID-19 pandemic. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 1415-1438.	3.1	20
107	New observations of NO <sub>2</sub> in the upper troposphere from TROPOMI. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 2389-2408.	3.1	18
108	Interannual variability of nitrogen oxides emissions from boreal fires in Siberia and Alaska during 1996–2011 as observed from space. <i>Environmental Research Letters</i> , 2015, 10, 065004.	5.2	15

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109	Sun-induced fluorescence and near-infrared reflectance of vegetation track the seasonal dynamics of gross primary production over Africa. <i>Biogeosciences</i> , 2021, 18, 2843-2857.	3.3	15
110	Validation of MODIS aerosol observations over the Netherlands with GLOBE student measurements. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	14
111	Adverse results of the economic crisis: A study on the emergence of enhanced formaldehyde (HCHO) levels seen from satellites over Greek urban sites. <i>Atmospheric Research</i> , 2019, 224, 42-51.	4.1	13
112	Improved SIFTER v2 algorithm for long-term GOME-2A satellite retrievals of fluorescence with a correction for instrument degradation. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 4295-4315.	3.1	13
113	Limbâ€nadir matching using non-coincident NO&lt;sub&gt;2&lt;/sub&gt; observations: proof of concept and the OMI-minus-OSIRIS prototype product. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 4103-4122.	3.1	9
114	Five years of observations of ozone profiles over Lauder, New Zealand. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 18-1.	3.3	7
115	Qualityâ€assured longâ€term satelliteâ€based leaf area index product. <i>Global Change Biology</i> , 2017, 23, 5027-5028.	9.5	7
116	Comprehensive evaluations of diurnal NO&lt;sub&gt;2&lt;/sub&gt; measurements during DISCOVER-AQ 2011: effects of resolution-dependent representation of NO&lt;sub&gt;2&lt;/sub&gt; emissions. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11133-11160.	4.9	7
117	The impact of the 2005 Gulf hurricanes on pollution emissions as inferred from Ozone Monitoring Instrument (OMI) nitrogen dioxide. <i>Atmospheric Environment</i> , 2010, 44, 1443-1448.	4.1	6
118	Ozone deposition impact assessments for forest canopies require accurate ozone flux partitioning on diurnal timescales. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 18393-18411.	4.9	6
119	Analysis of the Anthropogenic and Biogenic NO<sub>x</sub> Emissions Over 2008â€2017: Assessment of the Trends in the 30 Most Populated Urban Areas in Europe. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092206.	4.0	5
120	Compilation of a NOx Emission Inventory for the Balkan Region Using Satellite Tropospheric NO2 Columns. <i>Springer Atmospheric Sciences</i> , 2013, , 1265-1271.	0.3	2
121	Corrigendum to "Satellite observations and model simulations of tropospheric NO&lt;sub&gt;2&lt;/sub&gt; columns over south-eastern Europe" published in <i>Atmos. Chem. Phys.</i> , 9, 6119â€6134, 2009. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 6495-6496.	4.9	0