

Klaas Folkert Boersma

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4593755/klaas-folkert-boersma-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

136
papers

10,503
citations

60
h-index

101
g-index

197
ext. papers

12,231
ext. citations

6.1
avg, IF

6.1
L-index

#	Paper	IF	Citations
136	Error analysis for tropospheric NO ₂ retrieval from space. <i>Journal of Geophysical Research</i> , 2004 , 109, n/a-n/a		513
135	An improved tropospheric NO ₂ column retrieval algorithm for the Ozone Monitoring Instrument. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 1905-1928	4	456
134	Aura OMI observations of regional SO ₂ and NO ₂ pollution changes from 2005 to 2015. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 4605-4629	6.8	428
133	Near-real time retrieval of tropospheric NO ₂ from OMI. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 2103-2118	6.8	403
132	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. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 6117-6136	6.8	312
131	Megacity emissions and lifetimes of nitrogen oxides probed from space. <i>Science</i> , 2011 , 333, 1737-9	33.3	295
130	Trends, seasonal variability and dominant NO _x source derived from a ten year record of NO ₂ measured from space. <i>Journal of Geophysical Research</i> , 2008 , 113,		295
129	Algorithm for NO ₂ vertical column retrieval from the ozone monitoring instrument. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006 , 44, 1245-1258	8.1	227
128	A new stratospheric and tropospheric NO ₂ retrieval algorithm for nadir-viewing satellite instruments: applications to OMI. <i>Atmospheric Measurement Techniques</i> , 2013 , 6, 2607-2626	4	220
127	Averaging kernels for DOAS total-column satellite retrievals. <i>Atmospheric Chemistry and Physics</i> , 2003 , 3, 1285-1291	6.8	213
126	Detection of the trend and seasonal variation in tropospheric NO ₂ over China. <i>Journal of Geophysical Research</i> , 2006 , 111,		212
125	Rapid increases in tropospheric ozone production and export from China. <i>Nature Geoscience</i> , 2015 , 8, 690-695	18.3	206
124	The global chemistry transport model TM5: description and evaluation of the tropospheric chemistry version 3.0. <i>Geoscientific Model Development</i> , 2010 , 3, 445-473	6.3	199
123	Spatial distribution of isoprene emissions from North America derived from formaldehyde column measurements by the OMI satellite sensor. <i>Journal of Geophysical Research</i> , 2008 , 113,		196
122	Indirect validation of tropospheric nitrogen dioxide retrieved from the OMI satellite instrument: Insight into the seasonal variation of nitrogen oxides at northern midlatitudes. <i>Journal of Geophysical Research</i> , 2010 , 115,		181
121	Validation of urban NO ₂ 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	6.8	169
120	The Ozone Monitoring Instrument: overview of 14 years in space. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 5699-5745	6.8	163

119	Decadal changes in global surface NO _x emissions from multi-constituent satellite data assimilation. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 807-837	6.8	159
118	Validation of OMI tropospheric NO ₂ observations during INTEX-B and application to constrain NO _x emissions over the eastern United States and Mexico. <i>Atmospheric Environment</i> , 2008 , 42, 4480-4497	5.2	158
117	Constraint of anthropogenic NO _x emissions in China from different sectors: a new methodology using multiple satellite retrievals. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 63-78	6.8	152
116	Intercomparison of SCIAMACHY and OMI tropospheric NO ₂ columns: Observing the diurnal evolution of chemistry and emissions from space. <i>Journal of Geophysical Research</i> , 2008 , 113,		145
115	Comparison of OMI NO ₂ tropospheric columns with an ensemble of global and European regional air quality models. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 3273-3296	6.8	137
114	Reductions in nitrogen oxides over Europe driven by environmental policy and economic recession. <i>Scientific Reports</i> , 2012 , 2, 265	4.9	131
113	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	6.8	130
112	Eight-component retrievals from ground-based MAX-DOAS observations. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 1027-1044	4	123
111	Assessing the distribution and growth rates of NO _x emission sources by inverting a 10-year record of NO ₂ satellite columns. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	120
110	Multi-model ensemble simulations of tropospheric NO ₂ compared with GOME retrievals for the year 2000. <i>Atmospheric Chemistry and Physics</i> , 2006 , 6, 2943-2979	6.8	118
109	High resolution mapping of nitrogen dioxide with TROPOMI: First results and validation over the Canadian oil sands. <i>Geophysical Research Letters</i> , 2019 , 46, 1049-1060	4.9	117
108	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
107	Improved satellite retrievals of NO ₂ and SO ₂ over the Canadian oil sands and comparisons with surface measurements. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 3637-3656	6.8	110
106	Air quality over the Canadian oil sands: A first assessment using satellite observations. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	108
105	Comparison of tropospheric NO ₂ from in situ aircraft measurements with near-real-time and standard product data from OMI. <i>Journal of Geophysical Research</i> , 2008 , 113,		108
104	Worldwide biogenic soil NO _x emissions inferred from OMI NO ₂ observations. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 10363-10381	6.8	105
103	Simultaneous assimilation of satellite NO ₂ , O ₃ , CO, and HNO ₃ data for the analysis of tropospheric chemical composition and emissions. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 9545-9579	6.8	104
102	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	11.5	103

101	Evaluating a Space-Based Indicator of Surface Ozone-NO _x -VOC Sensitivity Over Midlatitude Source Regions and Application to Decadal Trends. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 10-461	4.4	103
100	Reductions of NO ₂ detected from space during the 2008 Beijing Olympic Games. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	102
99	Estimates of lightning NO _x production from GOME satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2005 , 5, 2311-2331	6.8	100
98	Key chemical NO _x sink uncertainties and how they influence top-down emissions of nitrogen oxides. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 9057-9082	6.8	95
97	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,		93
96	Intercomparison of slant column measurements of NO ₂ and O ₄ by MAX-DOAS and zenith-sky UV and visible spectrometers. <i>Atmospheric Measurement Techniques</i> , 2010 , 3, 1629-1646	4	92
95	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
94	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
93	Quantitative bias estimates for tropospheric NO ₂ columns retrieved from SCIAMACHY, OMI, and GOME-2 using a common standard for East Asia. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 2403-2411	4	90
92	Validation of OMI tropospheric NO ₂ column densities using direct-Sun mode Brewer measurements at NASA Goddard Space Flight Center. <i>Journal of Geophysical Research</i> , 2008 , 113,		87
91	Evaluation of stratospheric NO ₂ retrieved from the Ozone Monitoring Instrument: Intercomparison, diurnal cycle, and trending. <i>Journal of Geophysical Research</i> , 2011 , 116,		82
90	S5P TROPOMI NO ₂ slant column retrieval: method, stability, uncertainties and comparisons with OMI. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 1315-1335	4	80
89	An improved tropospheric NO ₂ retrieval for OMI observations in the vicinity of mountainous terrain. <i>Atmospheric Measurement Techniques</i> , 2009 , 2, 401-416	4	79
88	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,		76
87	SCIAMACHY tropospheric NO ₂ over Switzerland: estimates of NO _x lifetimes and impact of the complex Alpine topography on the retrieval. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 5971-5987	6.8	76
86	Constraints on ship NO _x emissions in Europe using GEOS-Chem and OMI satellite NO ₂ observations. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 1353-1369	6.8	75
85	Trends and trend reversal detection in 2 decades of tropospheric NO ₂ satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 6269-6294	6.8	73
84	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

83	The Cabauw Intercomparison campaign for Nitrogen Dioxide measuring Instruments (CINDI): design, execution, and early results. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 457-485	4	71
82	Evaluations of NO _x 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	6.8	70
81	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	6.8	66
80	Tropospheric vertical distribution of tropical Atlantic ozone observed by TES during the northern African biomass burning season. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	64
79	The high-resolution version of TM5-MP for optimized satellite retrievals: description and validation. <i>Geoscientific Model Development</i> , 2017 , 10, 721-750	6.3	62
78	Influence of aerosols and surface reflectance on satellite NO ₂ retrieval: seasonal and spatial characteristics and implications for NO _x emission constraints. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11017-11031	6.8	61
77	Ground-based validation of the Copernicus Sentinel-5P TROPOMI NO ₂ measurements with the NDACC ZSL-DOAS, MAX-DOAS and Pandora global networks. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 481-510	4	61
76	Satellite-based estimates of decline and rebound in China's CO emissions during COVID-19 pandemic. <i>Science Advances</i> , 2020 , 6,	14.3	58
75	Global satellite analysis of the relation between aerosols and short-lived trace gases. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 1255-1267	6.8	55
74	Inferring Changes in Summertime Surface Ozone-NO-VOC Chemistry over U.S. Urban Areas from Two Decades of Satellite and Ground-Based Observations. <i>Environmental Science & Technology</i> , 2020 , 54, 6518-6529	10.3	53
73	Comparison of GOME tropospheric NO ₂ columns with NO ₂ profiles deduced from ground-based in situ measurements. <i>Atmospheric Chemistry and Physics</i> , 2006 , 6, 3211-3229	6.8	53
72	Satellite observations indicate substantial spatiotemporal variability in biomass burning NO _x emission factors for South America. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 3929-3943	6.8	52
71	Traffic restrictions associated with the Sino-African summit: Reductions of NO _x detected from space. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	52
70	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
69	Characterising low-cost sensors in highly portable platforms to quantify personal exposure in diverse environments. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 4643-4657	4	49
68	Improved spectral fitting of nitrogen dioxide from OMI in the 405–65 nm window. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 1685-1699	4	49
67	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	6.8	49
66	A Decade of Change in NO ₂ and SO ₂ over the Canadian Oil Sands As Seen from Space. <i>Environmental Science & Technology</i> , 2016 , 50, 331-7	10.3	46

65	Accounting for surface reflectance anisotropy in satellite retrievals of tropospheric NO ₂ . <i>Atmospheric Measurement Techniques</i> , 2010 , 3, 1185-1203	4	46
64	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	6.3	44
63	Assessment of the quality of TROPOMI high-spatial-resolution NO ₂ data products in the Greater Toronto Area. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 2131-2159	4	39
62	Anthropogenic emissions of NO _x over China: Reconciling the difference of inverse modeling results using GOME-2 and OMI measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 7732-7740	4.4	37
61	Satellite NO ₂ data improve national land use regression models for ambient NO ₂ in a small densely populated country. <i>Atmospheric Environment</i> , 2015 , 105, 173-180	5.3	37
60	The global economic cycle and satellite-derived NO ₂ trends over shipping lanes. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	37
59	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,		37
58	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	4.9	37
57	OMI tropospheric NO ₂ air mass factors over South America: effects of biomass burning aerosols. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 3831-3849	4	36
56	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	4.4	36
55	Comparison of OMI NO ₂ observations and their seasonal and weekly cycles with ground-based measurements in Helsinki. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 5203-5212	4	35
54	Comparing OMI-based and EPA AQS in situ NO ₂ trends: towards understanding surface NO ₂ emission changes. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 3955-3967	4	31
53	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	4	30
52	Satellite observations and model simulations of tropospheric NO ₂ columns over south-eastern Europe. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 6119-6134	6.8	30
51	Ships going slow in reducing their NO _x emissions: changes in 2005-2012 ship exhaust inferred from satellite measurements over Europe. <i>Environmental Research Letters</i> , 2015 , 10, 074007	6.2	27
50	Evaluation of high resolution simulated and OMI retrieved tropospheric NO ₂ column densities over Southeastern Europe. <i>Atmospheric Research</i> , 2013 , 122, 55-66	5.4	23
49	The zonal structure of tropical O ₃ and CO as observed by the Tropospheric Emission Spectrometer in November 2004 [Part 2: Impact of surface emissions on O ₃ and its precursors. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 3563-3582	6.8	23
48	Analysis of stratospheric NO ₂ trends above Jungfraujoch using ground-based UV-visible, FTIR, and satellite nadir observations. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8851-8864	6.8	21

47	A new TROPOMI product for tropospheric NO ₂ columns over East Asia with explicit aerosol corrections. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 4247-4259	4	21
46	Updated tropospheric chemistry reanalysis and emission estimates, TCR-2, for 2005-2018. <i>Earth System Science Data</i> , 2020 , 12, 2223-2259	10.5	21
45	Identification of surface NO _x emission sources on a regional scale using OMI NO ₂ . <i>Atmospheric Environment</i> , 2015 , 101, 82-93	5.3	20
44	Characterization of OMI tropospheric NO ₂ over the Baltic Sea region. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 7795-7805	6.8	20
43	European NO _x emissions in WRF-Chem derived from OMI: impacts on summertime surface ozone. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11821-11841	6.8	19
42	Intercomparison of daytime stratospheric NO ₂ satellite retrievals and model simulations. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 2203-2225	4	19
41	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	5	19
40	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
39	Towards a Traceable Climate Service: Assessment of Quality and Usability of Essential Climate Variables. <i>Remote Sensing</i> , 2019 , 11, 1186	5	16
38	Top-Down NO Emissions of European Cities Based on the Downwind Plume of Modelled and Space-Borne Tropospheric NO ₂ Columns. <i>Sensors</i> , 2018 , 18,	3.8	15
37	Warmer spring alleviated the impacts of 2018 European summer heatwave and drought on vegetation photosynthesis. <i>Agricultural and Forest Meteorology</i> , 2020 , 295, 108195	5.8	13
36	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
35	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
34	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	6.2	11
33	Validation of MODIS aerosol observations over the Netherlands with GLOBE student measurements. <i>Journal of Geophysical Research</i> , 2006 , 111,		11
32	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
31	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	5.4	9
30	Quantifying burning efficiency in megacities using the NO ₂ /CO ratio from the Tropospheric Monitoring Instrument (TROPOMI). <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 10295-10310	6.8	8

29	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	4	8
28	Limb-adir matching using non-coincident NO ₂ observations: proof of concept and the OMI-minus-OSIRIS prototype product. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 4103-4122	4	8
27	Quality-assured long-term satellite-based leaf area index product. <i>Global Change Biology</i> , 2017 , 23, 5027-5028	5	7
26	Five years of observations of ozone profiles over Lauder, New Zealand. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 18-1		6
25	Key chemical NO _x sink uncertainties and how they influence top-down emissions of nitrogen oxides		6
24	Sentinel-5P TROPOMI NO ₂ retrieval: impact of version v2.2 improvements and comparisons with OMI and ground-based data. <i>Atmospheric Measurement Techniques</i> , 2022 , 15, 2037-2060	4	6
23	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	5-3	5
22	New observations of NO ₂ in the upper troposphere from TROPOMI. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 2389-2408	4	5
21	Sentinel-5P TROPOMI NO ₂ retrieval: impact of version v2.2 improvements and comparisons with OMI and ground-based data		4
20	Improved spectral fitting of nitrogen dioxide from OMI in the 405-65 nm window		4
19	OMI tropospheric NO ₂ air mass factors over South America: effects of biomass burning aerosols 2015 ,		3
18	Constraints on ship NO _x emissions in Europe using GEOS-Chem and OMI satellite NO ₂ observations		3
17	S5P/TROPOMI NO ₂ slant column retrieval: method, stability, uncertainties, and comparisons against OMI		3
16	Validation of tropospheric NO ₂ column measurements of GOME-2A and OMI using MAX-DOAS and direct sun network observations		3
15	Impact of albedo and cloud retrievals on the NO ₂ tropospheric column derived from Sentinel-5P TROPOMI observations		3
14	An updated tropospheric chemistry reanalysis and emission estimates, TCR-2, for 2005-2018		3
13	Representativeness errors in comparing chemistry transport and chemistry climate models with satellite UV/Vis tropospheric column retrievals		3
12	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	4.6	3

11	Satellite observations indicate substantial spatiotemporal variability in biomass burning NO _x emission factors for South America		2
10	Improving algorithms and uncertainty estimates for satellite NO ₂ retrievals: Results from the Quality Assurance for Essential Climate Variables (QA4ECV) project		2
9	The importance of surface reflectance anisotropy for cloud and NO ₂ retrievals from GOME-2 and OMI		2
8	Compilation of a NO _x Emission Inventory for the Balkan Region Using Satellite Tropospheric NO ₂ Columns. <i>Springer Atmospheric Sciences</i> , 2013 , 1265-1271	0.7	2
7	Trends and trend reversal detection in two decades of tropospheric NO ₂ satellite observations 2018 ,		2
6	Improved monitoring of shipping NO _x emissions with TROPOMI: decreasing NO _x emissions in European seas during the COVID-19 pandemic. <i>Atmospheric Measurement Techniques</i> , 2022 , 15, 1115-1126	4	2
5	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	6.8	2
4	Intercomparison of daytime stratospheric NO ₂ satellite retrievals and model simulations 2014 ,		1
3	Validation of six years of TES tropospheric ozone retrievals with ozonesonde measurements: implications for spatial patterns and temporal stability in the TES bias 2013 ,		1
2	Comprehensive evaluations of diurnal NO ₂ measurements during DISCOVER-AQ 2011: effects of resolution-dependent representation of NO _x emissions. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11133-11160	6.8	1
1	Analysis of the Anthropogenic and Biogenic NO _x Emissions Over 2008-2017: Assessment of the Trends in the 30 Most Populated Urban Areas in Europe. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL092206	4.9	0