

# Hitoshi Irie

## List of Publications by Citations

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121  
papers

3,390  
citations

34  
h-index

55  
g-index

128  
ext. papers

3,930  
ext. citations

4.7  
avg, IF

4.6  
L-index

#	Paper	IF	Citations
121	Evaluation of OMI operational standard NO <sub>2</sub> column retrievals using in situ and surface-based NO <sub>2</sub> observations. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 11587-11609	6.8	143
120	Comparison of box-air-mass-factors and radiances for Multiple-Axis Differential Optical Absorption Spectroscopy (MAX-DOAS) geometries calculated from different UV/visible radiative transfer models. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 1809-1833	6.8	135
119	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> , <b>2014</b> , 14, 1441-1461	6.8	130
118	First retrieval of tropospheric aerosol profiles using MAX-DOAS and comparison with lidar and sky radiometer measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 341-350	6.8	124
117	Eight-component retrievals from ground-based MAX-DOAS observations. <i>Atmospheric Measurement Techniques</i> , <b>2011</b> , 4, 1027-1044	4	123
116	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> , <b>2018</b> , 11, 6651-6678	4	115
115	Comparison of ambient aerosol extinction coefficients obtained from in-situ, MAX-DOAS and LIDAR measurements at Cabauw. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 2603-2624	6.8	110
114	Technical Note: Determination of formaldehyde mixing ratios in air with PTR-MS: laboratory experiments and field measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 273-284	6.8	104
113	Impacts of aerosols on summertime tropospheric photolysis frequencies and photochemistry over Central Eastern China. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 1817-1829	5.3	97
112	Intercomparison of slant column measurements of NO <sub>2</sub> and O <sub>4</sub> by MAX-DOAS and zenith-sky UV and visible spectrometers. <i>Atmospheric Measurement Techniques</i> , <b>2010</b> , 3, 1629-1646	4	92
111	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> , <b>2012</b> , 5, 2403-2411	4	90
110	Validation of OMI tropospheric NO <sub>2</sub> column data using MAX-DOAS measurements deep inside the North China Plain in June 2006: Mount Tai Experiment 2006. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 6577-6586	6.8	81
109	New Era of Air Quality Monitoring from Space: Geostationary Environment Monitoring Spectrometer (GEMS). <i>Bulletin of the American Meteorological Society</i> , <b>2020</b> , 101, E1-E22	6.1	81
108	Aerosol data assimilation using data from Himawari-8, a next-generation geostationary meteorological satellite. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5886-5894	4.9	77
107	Spectroscopic measurements of tropospheric CO, C <sub>2</sub> H <sub>6</sub> , C <sub>2</sub> H <sub>2</sub> , and HCN in northern Japan. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACH 2-1		74
106	The Cabauw Intercomparison campaign for Nitrogen Dioxide measuring Instruments (CINDI): design, execution, and early results. <i>Atmospheric Measurement Techniques</i> , <b>2012</b> , 5, 457-485	4	71
105	MAX-DOAS formaldehyde slant column measurements during CINDI: intercomparison and analysis improvement. <i>Atmospheric Measurement Techniques</i> , <b>2013</b> , 6, 167-185	4	69

104	Long-term MAX-DOAS network observations of NO <sub>2</sub> in Russia and Asia (MADRAS) during the period 2007–2012: instrumentation, elucidation of climatology, and comparisons with OMI satellite observations and global model simulations. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 7909-7927	6.8	64
103	Correlation of black carbon aerosol and carbon monoxide in the high-altitude environment of Mt. Huang in Eastern China. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 9735-9747	6.8	63
102	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> , <b>2021</b> , 14, 481-510	4	61
101	Impact of open crop residual burning on air quality over Central Eastern China during the Mount Tai Experiment 2006 (MTX2006). <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 7353-7368	6.8	60
100	Evaluation of long-term tropospheric NO <sub>2</sub> data obtained by GOME over East Asia in 1996–2002. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	55
99	Regional modeling of tropospheric NO <sub>2</sub> vertical column density over East Asia during the period 2000–2010: comparison with multisatellite observations. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 3623-3635	6.8	51
98	Determination of gaseous and particulate carbonyls (glycolaldehyde, hydroxyacetone, glyoxal, methylglyoxal, nonanal and decanal) in the atmosphere at Mt. Tai. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 5369-5380	6.8	51
97	Interannual variation in the fine-mode MODIS aerosol optical depth and its relationship to the changes in sulfur dioxide emissions in China between 2000 and 2010. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 2631-2640	6.8	48
96	Denitrification and nitrification in the Arctic stratosphere during the winter of 1996–1997. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 337-340	4.9	47
95	Nitric acid in cirrus clouds. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	46
94	Intercomparison of aerosol extinction profiles retrieved from MAX-DOAS measurements. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 3205-3222	4	43
93	Comparison of Black Carbon Mass Concentrations Observed by Multi-Angle Absorption Photometer (MAAP) and Continuous Soot-Monitoring System (COSMOS) on Fukue Island and in Tokyo, Japan. <i>Aerosol Science and Technology</i> , <b>2013</b> , 47, 1-10	3.4	41
92	Overview of the Mount Tai Experiment (MTX2006) in central East China in June 2006: studies of significant regional air pollution. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 8265-8283	6.8	36
91	Dual-wavelength aerosol vertical profile measurements by MAX-DOAS at Tsukuba, Japan. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 2741-2749	6.8	36
90	Evaluation of Himawari-8 surface downwelling solar radiation by ground-based measurements. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 2501-2521	4	36
89	NO <sub>y</sub> -N <sub>2</sub> O correlation observed inside the Arctic vortex in February 1997: Dynamical and chemical effects. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 8215-8224		35
88	Turnaround of Tropospheric Nitrogen Dioxide Pollution Trends in China, Japan, and South Korea. <i>Scientific Online Letters on the Atmosphere</i> , <b>2016</b> , 12, 170-174	2.1	34
87	A comparison of Arctic HNO <sub>3</sub> profiles measured by the Improved Limb Atmospheric Spectrometer and balloon-borne sensors. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 6761-6771		31

86	Intercomparison of NO <sub>2</sub> , O <sub>4</sub> , O <sub>3</sub> ; and HCHO slant column measurements by MAX-DOAS and zenith-sky UV-visible spectrometers during CINDI-2. <i>Atmospheric Measurement Techniques</i> , <b>2020</b> , 13, 2169-2208	4	30
85	Comparisons of spectral aerosol single scattering albedo in Seoul, South Korea. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 2295-2311	4	27
84	Evaluation of MAX-DOAS aerosol retrievals by coincident observations using CRDS, lidar, and sky radiometer in Tsukuba, Japan. <i>Atmospheric Measurement Techniques</i> , <b>2015</b> , 8, 2775-2788	4	27
83	Validation of nitric acid retrieved by the IMK-IAA processor from MIPAS/ENVISAT measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 721-738	6.8	27
82	Uptake of reactive nitrogen on cirrus cloud particles in the upper troposphere and lowermost stratosphere. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4-9	27
81	Trajectory hunting as an effective technique to validate multiplatform measurements: Analysis of the MLS, HALOE, SAGE-II, ILAS, and POAM-II data in October-November 1996. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACH 3-1		27
80	NO <sub>2</sub> observations over the western Pacific and Indian Ocean by MAX-DOAS on the <i>Kaiyo</i> , a Japanese research vessel. <i>Atmospheric Measurement Techniques</i> , <b>2012</b> , 5, 2351-2360	4	24
79	Validation of NO <sub>2</sub> and HNO <sub>3</sub> measurements from the Improved Limb Atmospheric Spectrometer (ILAS) with the version 5.20 retrieval algorithm. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ILS 3-1		24
78	Emission ratio of carbonaceous aerosols observed near crop residual burning sources in a rural area of the Yangtze River Delta Region, China. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		23
77	Atmospheric aerosol variations at Okinawa Island in Japan observed by MAX-DOAS using a new cloud-screening method. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		23
76	Ozone profiles in the high-latitude stratosphere and lower mesosphere measured by the Improved Limb Atmospheric Spectrometer (ILAS)-II: Comparison with other satellite sensors and ozonesondes. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		23
75	Validation of stratospheric nitric acid profiles observed by Improved Limb Atmospheric Spectrometer (ILAS)II. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		23
74	An overview of and issues with sky radiometer technology and SKYNET. <i>Atmospheric Measurement Techniques</i> , <b>2020</b> , 13, 4195-4218	4	22
73	Seasonal variations of HCN over northern Japan measured by ground-based infrared solar spectroscopy. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 2085-2088	4-9	21
72	Retrieval of Aerosol Extinction in the Lower Troposphere Based on UV MAX-DOAS Measurements. <i>Aerosol Science and Technology</i> , <b>2009</b> , 43, 502-509	3-4	20
71	Characterization of OMI Tropospheric NO <sub>2</sub> Measurements in East Asia Based on a Robust Validation Comparison. <i>Scientific Online Letters on the Atmosphere</i> , <b>2009</b> , 5, 117-120	2.1	20
70	Factors for inconsistent aerosol single scattering albedo between SKYNET and AERONET. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 1859-1877	4-4	19
69	Effect of surface BRDF of various land cover types on geostationary observations of tropospheric NO <sub>2</sub> . <i>Atmospheric Measurement Techniques</i> , <b>2014</b> , 7, 3497-3508	4	19

68	Effects of biomass burning, lightning, and convection on O <sub>3</sub> , CO, and NO <sub>y</sub> over the tropical Pacific and Australia in August–October 1998 and 1999. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108, B16 6-1		19
67	Investigating the response of East Asian ozone to Chinese emission changes using a linear approach. <i>Atmospheric Environment</i> , <b>2012</b> , 55, 475-482	5.3	18
66	In situ HNO <sub>3</sub> to NO <sub>y</sub> instrument comparison during SOLVE. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		18
65	First MAX-DOAS Observations of Formaldehyde and Glyoxal in Phimai, Thailand. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 9957-9975	4.4	18
64	Enhanced NO <sub>2</sub> at Okinawa Island, Japan caused by rapid air-mass transport from China as observed by MAX-DOAS. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 2593-2597	5.3	17
63	Simultaneous observations by sky radiometer and MAX-DOAS for characterization of biomass burning plumes in central Thailand in January–April 2016. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 599-606	4	15
62	Validation of CFC-12 measurements from the Improved Limb Atmospheric Spectrometer (ILAS) with the version 6.0 retrieval algorithm. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109, n/a-n/a		15
61	Measurements of ClONO <sub>2</sub> by the Improved Limb Atmospheric Spectrometer (ILAS) in high-latitude stratosphere: New products using version 6.1 data processing algorithm. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		14
60	Validation of the Improved Limb Atmospheric Spectrometer-II (ILAS-II) Version 1.4 nitrous oxide and methane profiles. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		13
59	Redistribution of nitric acid in the Arctic lower stratosphere during the winter of 1996–1997. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 23139-23150		13
58	Remote sensing of tropospheric aerosol using UV MAX-DOAS during hazy conditions in winter: Utilization of O <sub>4</sub> Absorption bands at wavelength intervals of 338–368 and 367–393 nm. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 5760-5769	5.3	12
57	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> , <b>2020</b> , 13, 6141-6174	4	12
56	Influence of model grid resolution on NO <sub>2</sub> vertical column densities over East Asia. <i>Journal of the Air and Waste Management Association</i> , <b>2014</b> , 64, 436-44	2.4	11
55	Comparative assessment of TROPOMI and OMI formaldehyde observations and validation against MAX-DOAS network column measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 12561-12593	6.8	11
54	Redistribution of reactive nitrogen in the Arctic lower stratosphere in the 1999/2000 winter. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SOL 17-1		10
53	Aerosol characteristics in Phimai, Thailand determined by continuous observation with a polarization sensitive Mie-Raman lidar and a sky radiometer. <i>Environmental Research Letters</i> , <b>2015</b> , 10, 065003	6.2	9
52	Investigations of the Diurnal Variation of Vertical HCHO Profiles Based on MAX-DOAS Measurements in Beijing: Comparisons with OMI Vertical Column Data. <i>Atmosphere</i> , <b>2015</b> , 6, 1816-1832	2.7	9
51	Validation of ILAS-II version 1.4 O <sub>3</sub> , HNO <sub>3</sub> , and temperature data through comparison with ozonesonde, ground-based FTS, and lidar measurements in Alaska. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		9

50	Diagnosis of Photochemical Ozone Production Rates and Limiting Factors in Continental Outflow Air Masses Reaching Fukue Island, Japan: Ozone-Control Implications. <i>Aerosol and Air Quality Research</i> , <b>2016</b> , 16, 430-441	4.6	9
49	Evidence for the nucleation of polar stratospheric clouds inside liquid particles. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	8
48	Validation of MODIS and AHI Observed Water Cloud Properties Using Surface Radiation Data. <i>Journal of the Meteorological Society of Japan</i> , <b>2018</b> , 96B, 151-172	2.8	7
47	Intercomparison of ILAS-II version 1.4 aerosol extinction coefficient at 780 nm with SAGE II, SAGE III, and POAM III. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		7
46	Investigation of polar stratospheric cloud solid particle formation mechanisms using ILAS and AVHRR observations in the Arctic. <i>Geophysical Research Letters</i> , <b>2004</b> , 31,	4.9	7
45	First Simultaneous Observations of Formaldehyde and Glyoxal by MAX-DOAS in the Indo-Gangetic Plain Region. <i>Scientific Online Letters on the Atmosphere</i> , <b>2018</b> , 14, 159-164	2.1	7
44	Spatiotemporal inhomogeneity in NO <sub>2</sub> over Fukuoka observed by ground-based MAX-DOAS. <i>Atmospheric Environment</i> , <b>2015</b> , 100, 117-123	5.3	6
43	Impacts of Biomass Burning Emissions on Tropospheric NO <sub>2</sub> Vertical Column Density over Continental Southeast Asia. <i>Springer Remote Sensing/photogrammetry</i> , <b>2018</b> , 67-81	0.2	6
42	Evaluation of OMI operational standard NO <sub>2</sub> column retrievals using in situ and surface-based NO <sub>2</sub> observations		6
41	Vertical profile of tropospheric ozone derived from synergetic retrieval using three different wavelength ranges, UV, IR, and microwave: sensitivity study for satellite observation. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 1653-1668	4	6
40	Liquid ternary aerosols of HNO <sub>3</sub> /H <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> O in the Arctic tropopause region. <i>Geophysical Research Letters</i> , <b>2004</b> , 31,	4.9	5
39	Intercomparison of NO <sub>2</sub> , O <sub>4</sub> , O <sub>3</sub> and HCHO slant column measurements by MAX-DOAS and zenith-sky UV-Visible spectrometers during the CINDI-2 campaign		5
38	Primary Evaluation of the GCOM-C Aerosol Products at 380 nm Using Ground-Based Sky Radiometer Observations. <i>Remote Sensing</i> , <b>2020</b> , 12, 2661	5	5
37	Voltage Control Method Utilizing Solar Radiation Data in High Spatial Resolution for Service Restoration in Distribution Networks with PV. <i>Journal of Energy Engineering - ASCE</i> , <b>2017</b> , 143,	1.7	4
36	A feasibility study for the detection of the diurnal variation of tropospheric NO <sub>2</sub> over Tokyo from a geostationary orbit. <i>Advances in Space Research</i> , <b>2011</b> , 48, 1551-1564	2.4	4
35	Lower Tropospheric Aerosol Measurements by MAX-DOAS During Severe Asian Dust Period. <i>Aerosol Science and Technology</i> , <b>2009</b> , 43, 1208-1217	3.4	4
34	Temporal evolution of ClONO <sub>2</sub> observed with Improved Limb Atmospheric Spectrometer (ILAS) during Arctic late winter and early spring in 1997. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		4
33	Validation of OMI tropospheric NO <sub>2</sub> column data using MAX-DOAS measurements deep inside the North China Plain in June 2006		4



32	Visualizing spatial distribution of atmospheric nitrogen dioxide by means of hyperspectral imaging. <i>Applied Optics</i> , <b>2018</b> , 57, 5970-5977	1.7	3
31	Evaluation of MAX-DOAS aerosol retrievals by coincident observations using CRDS, lidar, and sky radiometer in Tsukuba, Japan <b>2015</b> ,		3
30	Quantifying the relationship between the measurement precision and specifications of a UV/visible sensor on a geostationary satellite. <i>Advances in Space Research</i> , <b>2012</b> , 49, 1743-1749	2.4	3
29	NO <sub>2</sub> observations over the western Pacific and Indian Ocean by MAX-DOAS on the R/V <i>Kaiyo</i> , a Japanese research vessel <b>2011</b> ,		3
28	Eight-component retrievals from ground-based MAX-DOAS observations <b>2011</b> ,		3
27	The Cabauw Intercomparison campaign for Nitrogen Dioxide measuring Instruments (CINDI): design, execution, and early results <b>2011</b> ,		3
26	Nitric acid condensation on ice: 2. Kinetic limitations, a possible "cloud clock" for determining cloud parcel lifetime. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		3
25	Tangent height registration method for the Version 1.4 data retrieval algorithm of the solar occultation sensor ILAS-II. <i>Applied Optics</i> , <b>2007</b> , 46, 7196-201	1.7	3
24	Nitric acid condensation on ice: 1. Non-HNO <sub>3</sub> constituent of NO <sub>y</sub> condensing cirrus particles on upper tropospheric. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		3
23	Comparison of ambient aerosol extinction coefficients obtained from in-situ, MAX-DOAS and LIDAR measurements at Cabauw		3
22	An evaluation of the CMAQ reproducibility of satellite tropospheric NO <sub>2</sub> column observations at different local times over East Asia		3
21	Overview of the Mount Tai Experiment (MTX2006) in Central East China in June 2006: studies of significant regional air pollution		3
20	Long-term MAX-DOAS network observations of NO <sub>2</sub> in Russia and Asia (MADRAS) during 2007-2012: instrumentation, elucidation of climatology, and comparisons with OMI satellite observations and global model simulations		3
19	Distribution automation system for service restoration involving simultaneous disconnection and reconnection of distributed generators <b>2015</b> ,		2
18	Ground-based retrievals of aerosol column absorption in the UV spectral region and their implications for GEMS measurements. <i>Remote Sensing of Environment</i> , <b>2020</b> , 245, 111759	13.2	2
17	Trend analysis of tropospheric NO <sub>2</sub> column density over East Asia during 2000-2010: multi-satellite observations and model simulations with the updated REAS emission inventory		2
16	Retrieving tropospheric nitrogen dioxide over China from the Ozone Monitoring Instrument: effects of aerosols, surface reflectance anisotropy and vertical profile of nitrogen dioxide		2
15	Determination of gaseous and particulate carbonyls (glycolaldehyde, hydroxyacetone, glyoxal, methylglyoxal, nonanal and decanal) in the atmosphere at Mt. Tai		2

14	Dual-wavelength aerosol vertical profile measurements by MAX-DOAS at Tsukuba, Japan		2
13	Comparisons of spectral aerosol absorption in Seoul, South Korea		2
12	Glyoxal tropospheric column retrievals from TROPOMI [multi-satellite intercomparison and ground-based validation. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 7775-7807	4	2
11	First quantitative bias estimates for tropospheric NO <sub>2</sub> columns retrieved from SCIAMACHY, OMI, and GOME-2 using a common standard <b>2012</b> ,		1
10	MAXDOAS formaldehyde slant column measurements during CINDI: intercomparison and analysis improvement <b>2012</b> ,		1
9	A study of BRDF over Tokyo for the spaceborne measurements of atmospheric trace gases <b>2012</b> ,		1
8	Continuous multi-component MAX-DOAS observations for the planetary boundary layer ozone variation analysis at Chiba and Tsukuba, Japan, from 2013 to 2019. <i>Progress in Earth and Planetary Science</i> , <b>2021</b> , 8,	3.9	1
7	Intelligent system in container terminal for speed-up handling process <b>2018</b> ,		1
6	Quality assessment of Second-generation Global Imager (SGLI)-observed cloud properties using SKYNET surface observation data. <i>Atmospheric Measurement Techniques</i> , <b>2022</b> , 15, 1967-1982	4	1
5	Long-Term Variation in the Tropospheric Nitrogen Dioxide Vertical Column Density over Korea and Japan from the MAX-DOAS Network, 2007-2017. <i>Remote Sensing</i> , <b>2021</b> , 13, 1937	5	0
4	Variabilities in PM <sub>2.5</sub> and Black Carbon Surface Concentrations Reproduced by Aerosol Optical Properties Estimated by In-Situ Data, Ground Based Remote Sensing and Modeling. <i>Remote Sensing</i> , <b>2021</b> , 13, 3163	5	0
3	Retrieval of Aerosol Optical Thickness with Custom Aerosol Model Using SKYNET Data over the Chiba Area. <i>Atmosphere</i> , <b>2021</b> , 12, 1144	2.7	0
2	Light-absorption properties of brown carbon aerosols in the Asian outflow: Implications of a combination of filter and ground remote-sensing observations at Fukue Island, Japan. <i>Science of the Total Environment</i> , <b>2021</b> , 797, 149155	10.2	
1	SKYNET <b>2022</b> , 1-11		