

Hiroshi Tanimoto

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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.

155
papers

5,401
citations

42
h-index

67
g-index

180
ext. papers

6,146
ext. citations

5.2
avg, IF

5.19
L-index

#	Paper	IF	Citations
155	Overview of the Atmospheric Brown Cloud East Asian Regional Experiment 2005 and a study of the aerosol direct radiative forcing in east Asia. <i>Journal of Geophysical Research</i> , 2007 , 112,		218
154	Long-range transport of Siberian biomass burning emissions and impact on surface ozone in western North America. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	205
153	Long-term changes in lower tropospheric baseline ozone concentrations at northern mid-latitudes. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 11485-11504	6.8	193
152	Regional chemical weather forecasting system CFORS: Model descriptions and analysis of surface observations at Japanese island stations during the ACE-Asia experiment. <i>Journal of Geophysical Research</i> , 2003 , 108,		162
151	Tropospheric Ozone Assessment Report: Present-day distribution and trends of tropospheric ozone relevant to climate and global atmospheric chemistry model evaluation. <i>Elementa</i> , 2018 , 6,	3.6	160
150	Urban photochemistry in central Tokyo: 1. Observed and modeled OH and HO ₂ radical concentrations during the winter and summer of 2004. <i>Journal of Geophysical Research</i> , 2007 , 112,		158
149	Long-term changes in lower tropospheric baseline ozone concentrations: Comparing chemistry-climate models and observations at northern midlatitudes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 5719-5736	4.4	124
148	Tropospheric winds from northeastern China carry the etiologic agent of Kawasaki disease from its source to Japan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7952-7	11.5	121
147	Analysis of the seasonal variation of ozone in the boundary layer in East Asia using the Community Multi-scale Air Quality model: What controls surface ozone levels over Japan?. <i>Atmospheric Environment</i> , 2006 , 40, 1856-1868	5.3	114
146	Tropospheric Ozone Assessment Report: Database and Metrics Data of Global Surface Ozone Observations. <i>Elementa</i> , 2017 , 5, 58	3.6	112
145	Diurnal variations of organic molecular tracers and stable carbon isotopic composition in atmospheric aerosols over Mt. Tai in the North China Plain: an influence of biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8359-8375	6.8	112
144	Technical Note: Determination of formaldehyde mixing ratios in air with PTR-MS: laboratory experiments and field measurements. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 273-284	6.8	104
143	Increased Northern Hemispheric carbon monoxide burden in the troposphere in 2002 and 2003 detected from the ground and from space. <i>Atmospheric Chemistry and Physics</i> , 2005 , 5, 563-573	6.8	103
142	Impacts of aerosols on summertime tropospheric photolysis frequencies and photochemistry over Central Eastern China. <i>Atmospheric Environment</i> , 2011 , 45, 1817-1829	5.3	97
141	Representation of the Community Earth System Model (CESM1) CAM4-chem within the Chemistry-Climate Model Initiative (CCMI). <i>Geoscientific Model Development</i> , 2016 , 9, 1853-1890	6.3	94
140	Significant latitudinal gradient in the surface ozone spring maximum over East Asia. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	85
139	Lower tropospheric ozone at northern midlatitudes: Changing seasonal cycle. <i>Geophysical Research Letters</i> , 2013 , 40, 1631-1636	4.9	83

138	Near-ground ozone source attributions and outflow in central eastern China during MTX2006. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 7335-7351	6.8	83
137	Validation of OMI tropospheric NO ₂ 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> , 2008 , 8, 6577-6586	6.8	81
136	The atmospheric impact of boreal forest fires in far eastern Siberia on the seasonal variation of carbon monoxide: Observations at Rishiri, A northern remote island in Japan. <i>Geophysical Research Letters</i> , 2000 , 27, 4073-4076	4.9	81
135	Rates and regimes of photochemical ozone production over Central East China in June 2006: a box model analysis using comprehensive measurements of ozone precursors. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 7711-7723	6.8	80
134	Cloud condensation nuclei activity at Jeju Island, Korea in spring 2005. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 2933-2948	6.8	78
133	Chemical characteristics of water-soluble organic carbon in the Asian outflow. <i>Journal of Geophysical Research</i> , 2007 , 112,		77
132	High frequency measurements of HFCs at a remote site in east Asia and their implications for Chinese emissions. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	73
131	Effect of air composition (N ₂ , O ₂ , Ar, and H ₂ O) on CO ₂ and CH ₄ measurement by wavelength-scanned cavity ring-down spectroscopy: calibration and measurement strategy. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 2689-2701	4	68
130	Increase in springtime tropospheric ozone at a mountainous site in Japan for the period 1998-2006. <i>Atmospheric Environment</i> , 2009 , 43, 1358-1363	5.3	67
129	Temporal changes in the emissions of CH ₄ and CO from China estimated from CH ₄ / CO ₂ and CO / CO ₂ correlations observed at Hateruma Island. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 1663-1677	6.8	64
128	A quantitative assessment of the 1998 carbon monoxide emission anomaly in the Northern Hemisphere based on total column and surface concentration measurements. <i>Journal of Geophysical Research</i> , 2004 , 109,		64
127	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> , 2010 , 10, 7353-7368	6.8	60
126	Chemical properties and outflow patterns of anthropogenic and dust particles on Rishiri Island during the Asian Pacific Regional Aerosol Characterization Experiment (ACE-Asia). <i>Journal of Geophysical Research</i> , 2003 , 108,		60
125	High-resolution measurement of multiple volatile organic compounds dissolved in seawater using equilibrator inlet-proton transfer reaction-mass spectrometry (EIPTR-MS). <i>Marine Chemistry</i> , 2010 , 122, 59-73	3.7	59
124	High ClO and ozone depletion observed in the plume of Sakurajima volcano, Japan. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	59
123	Chemistry of OH and HO ₂ radicals observed at Rishiri Island, Japan, in September 2003: Missing daytime sink of HO ₂ and positive nighttime correlations with monoterpenes. <i>Journal of Geophysical Research</i> , 2007 , 112,		57
122	The Essential Role for Laboratory Studies in Atmospheric Chemistry. <i>Environmental Science & Technology</i> , 2017 , 51, 2519-2528	10.3	55
121	Influence of meteorological variability on interannual variations of springtime boundary layer ozone over Japan during 1981-2005. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 6287-6304	6.8	53

120	Development of a PTR-TOFMS instrument for real-time measurements of volatile organic compounds in air. <i>International Journal of Mass Spectrometry</i> , 2007 , 263, 1-11	1.9	52
119	Surface ozone at four remote island sites and the preliminary assessment of the exceedances of its critical level in Japan. <i>Atmospheric Environment</i> , 2002 , 36, 4235-4250	5.3	52
118	Evidence for the seasonal variation of photochemical activity of tropospheric ozone: Continuous observation of ozone and CO at Happo, Japan. <i>Geophysical Research Letters</i> , 1998 , 25, 3505-3508	4.9	50
117	Equilibrator inlet-proton transfer reaction-mass spectrometry (EI-PTR-MS) for sensitive, high-resolution measurement of dimethyl sulfide dissolved in seawater. <i>Analytical Chemistry</i> , 2009 , 81, 9021-6	7.8	47
116	Analysis of secondary organic aerosols from ozonolysis of isoprene by proton transfer reaction mass spectrometry. <i>Atmospheric Environment</i> , 2014 , 97, 397-405	5.3	46
115	Asian anthropogenic emissions and decadal trends in springtime tropospheric ozone over Japan: 1998-2007. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	46
114	Anthropogenic aerosols observed in Asian continental outflow at Jeju Island, Korea, in spring 2005. <i>Journal of Geophysical Research</i> , 2009 , 114,		42
113	Diagnosing recent CO emissions and ozone evolution in East Asia using coordinated surface observations, adjoint inverse modeling, and MOPITT satellite data. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 3867-3880	6.8	42
112	Formation and transport of oxidized reactive nitrogen, ozone, and secondary organic aerosol in Tokyo. <i>Journal of Geophysical Research</i> , 2008 , 113,		38
111	Emissions of nonmethane volatile organic compounds from open crop residue burning in the Yangtze River Delta region, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 7684-7698	4.4	37
110	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> , 2013 , 13, 8265-8283	6.8	36
109	Implications of iodine chemistry for daytime HO ₂ levels at Rishiri Island. <i>Geophysical Research Letters</i> , 2002 , 29, 45-1-45-4	4.9	36
108	Arctic air pollution: Challenges and opportunities for the next decade. <i>Elementa</i> , 4 , 000104	3.6	34
107	Detection of C ₁₋₅ alkyl nitrates by proton transfer reaction time-of-flight mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2007 , 263, 12-21	1.9	33
106	A new measurement technique of peroxyacetyl nitrate at parts per trillion by volume levels: Gas chromatography/negative ion chemical ionization mass spectrometry. <i>Journal of Geophysical Research</i> , 1999 , 104, 21343-21354		33
105	Number size distribution of aerosol particles and new particle formation events in tropical and subtropical Pacific Oceans. <i>Atmospheric Environment</i> , 2016 , 142, 324-339	5.3	32
104	Mechanisms of Increased Particle and VOC Emissions during DPF Active Regeneration and Practical Emissions Considering Regeneration. <i>Environmental Science & Technology</i> , 2017 , 51, 2914-2923	10.3	29
103	On-line measurements of gaseous nitro-organic compounds in diesel vehicle exhaust by proton-transfer-reaction mass spectrometry. <i>Atmospheric Environment</i> , 2013 , 73, 195-203	5.3	29

102	Simultaneous measurements of particulate elemental carbon on the ground observation network over the western North Pacific during the ACE-Asia campaign. <i>Journal of Geophysical Research</i> , 2003 , 108,		29
101	Measurement of air-sea exchange of dimethyl sulfide and acetone by PTR-MS coupled with gradient flux technique. <i>Environmental Science & Technology</i> , 2014 , 48, 526-33	10.3	28
100	High-resolution observations of dissolved isoprene in surface seawater in the Southern Ocean during austral summer 2010-2011. <i>Journal of Oceanography</i> , 2014 , 70, 225-239	1.9	27
99	A review of atmospheric chemistry observations at mountain sites. <i>Progress in Earth and Planetary Science</i> , 2016 , 3,	3.9	26
98	PTR-MS measurements of non-methane volatile organic compounds during an intensive field campaign at the summit of Mount Tai, China, in June 2006. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 7085-7099	6.8	26
97	A novel discharge source of hydronium ions for proton transfer reaction ionization: design, characterization, and performance. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 1025-9	2.2	26
96	Seasonal cycles of ozone and oxidized nitrogen species in northeast Asia 1. Impact of regional climatology and photochemistry observed during RISOTTO 1999-2000. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 6-1		26
95	A new peroxy-carboxylic nitric anhydride identified in the atmosphere: CH ₂ =CHC(O)OONO ₂ (APAN). <i>Geophysical Research Letters</i> , 2001 , 28, 2831-2834	4.9	26
94	Observations of APAN during TexAQS 2000. <i>Geophysical Research Letters</i> , 2001 , 28, 4195-4198	4.9	26
93	Verification of Chemical Transport Models for PM _{2.5} Chemical Composition Using Simultaneous Measurement Data over Japan. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 2009-2023	4.6	26
92	Seasonal cycles of O ₃ in the marine boundary layer: Observation and model simulation comparisons. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 538-557	4.4	26
91	Abundance and distribution of dimethylsulfoniopropionate degradation genes and the corresponding bacterial community structure at dimethyl sulfide hot spots in the tropical and subtropical Pacific Ocean. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 4184-94	4.8	25
90	Tagged tracer simulations of black carbon in the Arctic: transport, source contributions, and budget. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 10515-10533	6.8	25
89	Examining the major contributors of ozone pollution in a rural area of the Yangtze River Delta region during harvest season. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 6101-6111	6.8	25
88	Evaporative emissions in three-day diurnal breathing loss tests on passenger cars for the Japanese market. <i>Atmospheric Environment</i> , 2015 , 107, 166-173	5.3	25
87	Long-term variation of atmospheric methyl iodide and its link to global environmental change. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	25
86	Characterization of nitromethane emission from automotive exhaust. <i>Atmospheric Environment</i> , 2013 , 81, 523-531	5.3	24
85	Exceedances of air quality standard level of PM 2.5 in Japan caused by Siberian wildfires. <i>Environmental Research Letters</i> , 2015 , 10, 105001	6.2	24

84	Widespread pollution events of carbon monoxide observed over the western North Pacific during the East Asian Regional Experiment (EAREX) 2005 campaign. <i>Journal of Geophysical Research</i> , 2007 , 112,		24
83	Emission characteristics of refractory black carbon aerosols from fresh biomass burning: a perspective from laboratory experiments. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 13001-13016	6.8	23
82	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> , 2012 , 117, n/a-n/a		23
81	Nighttime variations in HO ₂ radical mixing ratios at Rishiri Island observed with elevated monoterpene mixing ratios. <i>Atmospheric Environment</i> , 2002 , 36, 4929-4940	5.3	23
80	Ozone-CO Correlations in Siberian Wildfire Plumes Observed at Rishiri Island. <i>Scientific Online Letters on the Atmosphere</i> , 2008 , 4, 65-68	2.1	23
79	Emissions of methane from offshore oil and gas platforms in Southeast Asia. <i>Scientific Reports</i> , 2014 , 4, 6503	4.9	21
78	Laboratory measurements of emission factors of nonmethane volatile organic compounds from burning of Chinese crop residues. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 5237-5252	4.4	21
77	Exploring CO pollution episodes observed at Rishiri Island by chemical weather simulations and AIRS satellite measurements: long-range transport of burning plumes and implications for emissions inventories. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2009 , 61, 394-407	3.3	21
76	Direct assessment of international consistency of standards for ground-level ozone: strategy and implementation toward metrological traceability network in Asia. <i>Journal of Environmental Monitoring</i> , 2007 , 9, 1183-93		20
75	Differentiation of isomeric compounds by two-stage proton transfer reaction time-of-flight mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 325-31	3.5	19
74	Seasonal cycles of ozone and oxidized nitrogen species in northeast Asia 2. A model analysis of the roles of chemistry and transport. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 13-1-ACH 13-13		19
73	Aldehyde and ketone discrimination and quantification using two-stage proton transfer reaction mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2008 , 278, 15-19	1.9	18
72	Diurnal variations in H ₂ O ₂ , O ₃ , PAN, HNO ₃ and aldehyde concentrations and NO/NO ₂ ratios at Rishiri Island, Japan: potential influence from iodine chemistry. <i>Science of the Total Environment</i> , 2007 , 376, 185-97	10.2	17
71	Seasonal variation of carbon monoxide at remote sites in Japan. <i>Chemosphere</i> , 1999 , 1, 137-144		17
70	A deuterium-labeling study on the reproduction of hydronium ions in the PTR-MS detection of ethanol. <i>International Journal of Mass Spectrometry</i> , 2009 , 285, 95-99	1.9	16
69	Mass Spectrometric Detection of Alkanes Using NO ⁺ Chemical Ionization in Proton-transfer-reaction Plus Switchable Reagent Ion Mass Spectrometry. <i>Chemistry Letters</i> , 2014 , 43, 538-540	1.7	15
68	Evaluation of standards and methods for continuous measurements of carbon monoxide at ground-based sites in Asia. <i>Papers in Meteorology and Geophysics</i> , 2007 , 58, 85-93	0	15
67	Intercomparison of ultraviolet photometry and gas-phase titration techniques for ozone reference standards at ambient levels. <i>Journal of Geophysical Research</i> , 2006 , 111,		15

66	Summertime contributions of isoprene, monoterpenes, and sesquiterpene oxidation to the formation of secondary organic aerosol in the troposphere over Mt. Tai, Central East China during MTX2006		15
65	CO emissions from biomass burning in South-east Asia in the 2006 El Niño year: shipboard and AIRS satellite observations. <i>Environmental Chemistry</i> , 2011 , 8, 213	3.2	15
64	Particle and VOC Emissions from Stoichiometric Gasoline Direct Injection Vehicles and Correlation Between Particle Number and Mass Emissions. <i>Emission Control Science and Technology</i> , 2017 , 3, 135-147		14
63	Sea-to-air flux of dimethyl sulfide in the South and North Pacific Ocean as measured by proton transfer reaction-mass spectrometry coupled with the gradient flux technique. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 7216-7231	4.4	13
62	Refueling emissions from cars in Japan: Compositions, temperature dependence and effect of vapor liquefied collection system. <i>Atmospheric Environment</i> , 2015 , 120, 455-462	5.3	12
61	Estimation of refueling emissions based on theoretical model and effects of E10 fuel on refueling and evaporative emissions from gasoline cars. <i>Science of the Total Environment</i> , 2018 , 622-623, 467-473	10.2	12
60	Consistency of tropospheric ozone observations made by different platforms and techniques in the global databases. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2015 , 67, 27073	3.3	12
59	Strong relationship between dimethyl sulfide and net community production in the western subarctic Pacific. <i>Geophysical Research Letters</i> , 2013 , 40, 3986-3990	4.9	12
58	Regional climatology of particulate carbonaceous substances in the northern area of the east Asian Pacific rim. <i>Journal of Geophysical Research</i> , 2007 , 112,		12
57	Custom-made PTFE filters for ultra-clean size-fractionated aerosol sampling for trace metals. <i>Marine Chemistry</i> , 2018 , 206, 100-108	3.7	12
56	Field measurement of nitromethane from automotive emissions at a busy intersection using proton-transfer-reaction mass spectrometry. <i>Atmospheric Environment</i> , 2014 , 96, 301-309	5.3	11
55	Influence of Asian outflow on Rishiri Island, northernmost Japan: Application of radon as a tracer for characterizing fetch regions and evaluating a global 3D model. <i>Atmospheric Environment</i> , 2012 , 50, 174-181	5.3	11
54	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
53	Diurnal peroxy radical chemistry at a remote coastal site over the sea of Japan. <i>Journal of Geophysical Research</i> , 2007 , 112,		11
52	Evaluation of using unfiltered seawater for underway measurement of dimethyl sulfide in the ocean by online mass spectrometry. <i>Limnology and Oceanography: Methods</i> , 2013 , 11, 549-560	2.6	10
51	Onboard measurement system of atmospheric carbon monoxide in the Pacific by voluntary observing ships. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 2495-2507	4	10
50	A Quantitative Examination of the Detection Sensitivities of Proton-Transfer Reaction Mass Spectrometry for Gaseous 2-Propanol and Acetic Acid. <i>Bulletin of the Chemical Society of Japan</i> , 2010 , 83, 900-904	5.1	10
49	Seasonal variation of carbon monoxide in northern Japan: Fourier transform IR measurements and source-labeled model calculations. <i>Journal of Geophysical Research</i> , 2006 , 111,		10

48	Characterization of gas chromatography-negative ion chemical ionization mass Spectrometry for ambient measurement of PAN: Potential interferences and long-term sensitivity drift. <i>Geophysical Research Letters</i> , 2000 , 27, 2089-2092	4.9	10
47	FLEXPART v10.1 simulation of source contributions to Arctic black carbon. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 1641-1656	6.8	9
46	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> , 2016 , 16, 430-441	4.6	9
45	Studying volatility from composition, dilution, and heating measurements of secondary organic aerosols formed during α -pinene ozonolysis. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 5455-5466	6.8	9
44	Long-Term Simulations of Surface Ozone in East Asia During 1980–2020 with CMAQ and REAS Inventory. <i>NATO Security Through Science Series C: Environmental Security</i> , 2008 , 136-144		9
43	Investigation on VOC Emissions from Automobile Sources by Means of Online Mass Spectrometry. <i>Current Pollution Reports</i> , 2016 , 2, 188-199	7.6	8
42	Emission factors of CO ₂ , CO and CH ₄ from Sumatran peatland fires in 2013 based on shipboard measurements. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2017 , 69, 1399047	3.3	8
41	Application of PTR-MS to an incubation experiment of the marine diatom <i>Thalassiosira pseudonana</i> . <i>Geochemical Journal</i> , 2011 , 45, 355-363	0.9	8
40	Global Atmospheric Budget of Acetone: Air-Sea Exchange and the Contribution to Hydroxyl Radicals. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032553	4.4	8
39	A study of volatility by composition, heating, and dilution measurements of secondary organic aerosol from 1,3,5-trimethylbenzene. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14901-14915	6.8	8
38	International Comparison CCQM-P28: Ozone at ambient level. <i>Metrologia</i> , 2006 , 43, 08010-08010	2.1	7
37	Long-term changes in lower tropospheric baseline ozone concentrations at northern mid-latitudes		7
36	Enhancement of dimethylsulfide production by anoxic stress in natural seawater. <i>Geophysical Research Letters</i> , 2015 , 42, 4047-4053	4.9	6
35	Temporal Trends of Non-sea Salt Sulfate and Nitrate in Wet Deposition in Japan. <i>Water, Air and Soil Pollution</i> , 2007 , 7, 67-75		6
34	Temperature and acidity dependence of secondary organic aerosol formation from α -pinene ozonolysis with a compact chamber system. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 5983-6003	6.8	6
33	Rates and regimes of photochemical ozone production over Central East China in June 2006: a box model analysis using comprehensive measurements of ozone precursors		5
32	PTR-MS measurements of non-methane volatile organic compounds during an intensive field campaign at the summit of Mount Tai, China, in June 2006		5
31	The Flux and Emission of Dimethylsulfide From the Great Barrier Reef Region and Potential Influence on the Climate of NE Australia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 13,835	4.4	5

30	Detection of radioactive ³⁵ S at Fukushima and other Japanese sites. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 1020-1027	4.4	4
29	Anomalous geographical gap in carbon monoxide mixing ratios over Hokkaido (Japan) in summer 2004. <i>Geochemical Journal</i> , 2009 , 43, e23-e29	0.9	4
28	Negative Ion Chemical Ionization Mass Spectra of C ₁₀₋₁₆ n-Alkyl Nitrates. <i>Chemistry Letters</i> , 2005 , 34, 1200-1201	1.7	4
27	Atmospheric CO ₂ and O ₃ observed on Rishiri Island from December 2006 to March 2007. <i>Papers in Meteorology and Geophysics</i> , 2008 , 59, 31-38	0	4
26	Observed and Modeled Mass Concentrations of Organic Aerosols and PM _{2.5} at Three Remote Sites around the East China Sea: Roles of Chemical Aging. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 3091-3105	4.6	4
25	Validation of OMI tropospheric NO ₂ column data using MAX-DOAS measurements deep inside the North China Plain in June 2006		4
24	New approach to evaluate satellite-derived XCO ₂ over oceans by integrating ship and aircraft observations. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 8255-8271	6.8	4
23	Determination of branching ratios for the reactions of H ₃ O ⁺ with ethylbenzenes as a function of relative kinetic energy. <i>International Journal of Mass Spectrometry</i> , 2008 , 276, 49-55	1.9	3
22	Overview of the Mount Tai Experiment (MTX2006) in Central East China in June 2006: studies of significant regional air pollution		3
21	Cloud condensation nuclei activity at Jeju Island, Korea in spring 2005		3
20	Decadal Shifts in Wind Patterns Reduced Continental Outflow and Suppressed Ozone Trend in the 2010s in the Lower Troposphere Over Japan. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 12,980	4.4	3
19	Lower than expected volatility of secondary organic aerosols formed during Pinene ozonolysis 2017 ,		2
18	Temporal variations in ozone concentrations derived from Principal Component Analysis. <i>Theoretical and Applied Climatology</i> , 2008 , 92, 47-58	3	2
17	Temporal changes in the emissions of CH ₄ and CO from China estimated from CH ₄ / CO ₂ and CO / CO ₂ correlations observed at Hateruma Island		2
16	Representation of the Community Earth System Model (CESM1) CAM4-chem within the Chemistry-ClimateModel Initiative (CCMI)		2
15	Model and Satellite Analysis of Transport of Asian Anthropogenic Pollution to the Arctic: Siberian and Pacific Pathways and Their Meteorological Controls. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033459	4.4	2
14	Estimation of fire-induced carbon emissions from Equatorial Asia in 2015 using in situ aircraft and ship observations. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 9455-9473	6.8	2
13	First Concurrent Observations of NO ₂ and CO ₂ From Power Plant Plumes by Airborne Remote Sensing. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL092685	4.9	2

12	Rethinking of the adverse effects of NO _x -control on the reduction of methane and tropospheric ozone [Challenges toward a denitrified society. <i>Atmospheric Environment</i> , 2022 , 277, 119033	5.3	2
11	Dialdehyde Production during Direct Dissociation of Energy-rich Criegee Intermediates Produced by Ozonolysis of Cycloalkenes. <i>Chemistry Letters</i> , 2016 , 45, 916-918	1.7	1
10	An empirical approach toward the SLCP reduction targets in Asia for the mid-term climate change mitigation. <i>Progress in Earth and Planetary Science</i> , 2020 , 7,	3.9	1
9	Parameterizing the Impact of Seawater Temperature and Irradiance on Dimethylsulfide (DMS) in the Great Barrier Reef and the Contribution of Coral Reefs to the Global Sulfur Cycle. <i>Journal of Geophysical Research: Oceans</i> , 2021 , 126, e2020JC016783	3.3	1
8	First X-ray Spectroscopic Observations of Atmospheric Titanium Species: Size Dependence and the Emission Source. <i>Environmental Science & Technology</i> , 2021 ,	10.3	1
7	Dominance of the residential sector in Chinese black carbon emissions as identified from downwind atmospheric observations during the COVID-19 pandemic.. <i>Scientific Reports</i> , 2021 , 11, 23378	4.9	1
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