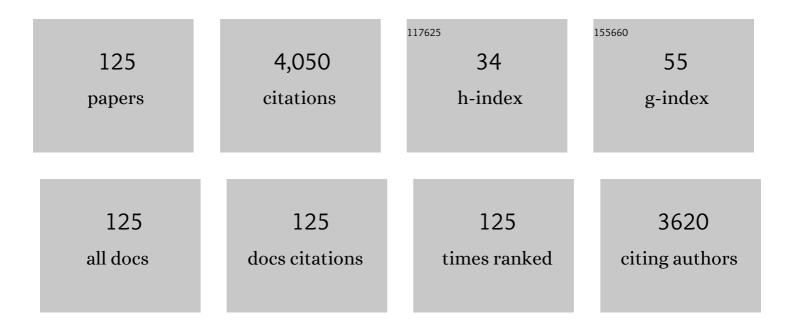
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Personal Exposure to Fine Particles (PM2.5) in Northwest Africa: Case of the Urban City of Bamako in Mali. International Journal of Environmental Research and Public Health, 2022, 19, 611.	2.6	9
2	Decomposition of multifunctionalized α-alkoxyalkyl-hydroperoxides derived from the reactions of Criegee intermediates with diols in liquid phases. Physical Chemistry Chemical Physics, 2022, 24, 11562-11572.	2.8	5
3	Rate constants of CH 3 O 2 + NO 2 CH 3 O 2 NO 2 and C 2 H 5 O 2 + NO 2 C 2 H 5 O 2 NO 2 reactions under atmospheric conditions. International Journal of Chemical Kinetics, 2021, 53, 571-582.	1.6	1
4	Kinetics and impacting factors of HO ₂ uptake onto submicron atmospheric aerosols during the 2019 Air QUAlity Study (AQUAS) in Yokohama, Japan. Atmospheric Chemistry and Physics, 2021, 21, 12243-12260.	4.9	16
5	A quantitative understanding of total OH reactivity and ozone production in a coastal industrial area during the Yokohama air quality study (AQUAS) campaign of summer 2019. Atmospheric Environment, 2021, 267, 118754.	4.1	2
6	Nitrate radical, ozone and hydroxyl radical initiated aging of limonene secondary organic aerosol. Atmospheric Environment: X, 2021, 9, 100102.	1.4	0
7	Real-time quantification of the total HO2 reactivity of ambient air and HO2 uptake kinetics onto ambient aerosols in Kyoto (Japan). Atmospheric Environment, 2020, 223, 117189.	4.1	11
8	Aerosol Liquid Water Promotes the Formation of Water-Soluble Organic Nitrogen in Submicrometer Aerosols in a Suburban Forest. Environmental Science & Technology, 2020, 54, 1406-1414.	10.0	33
9	Total hydroxyl radical reactivity measurements in a suburban area during AQUAS–Tsukuba campaign in summer 2017. Science of the Total Environment, 2020, 740, 139897.	8.0	9
10	Degradation of PAHs during long range transport based on simultaneous measurements at Tuoji Island, China, and at Fukue Island and Cape Hedo, Japan. Environmental Pollution, 2020, 260, 113906.	7.5	23
11	Characteristics of roadside volatile organic compounds in an urban area dominated by gasoline vehicles, a case study in Hanoi. Chemosphere, 2020, 254, 126749.	8.2	24
12	Relative and Absolute Sensitivity Analysis on Ozone Production in Tsukuba, a City in Japan. Environmental Science & Technology, 2019, 53, 13629-13635.	10.0	17
13	Investigation of dark condition nitrate radical- and ozone-initiated aging of toluene secondary organic aerosol: Importance of nitrate radical reactions with phenolic products. Atmospheric Environment, 2019, 219, 117049.	4.1	14
14	Water Vapor Does Not Catalyze the Reaction between Methanol and OH Radicals. Angewandte Chemie - International Edition, 2019, 58, 5013-5017.	13.8	16
15	Air quality study in Hanoi, Vietnam in 2015–2016 based on a one-year observation of NO x , O 3 , CO and a one-week observation of VOCs. Atmospheric Pollution Research, 2018, 9, 544-551.	3.8	28
16	Comprehensive measurements of atmospheric OH reactivity and trace species within a suburban forest near Tokyo during AQUAS-TAMA campaign. Atmospheric Environment, 2018, 184, 166-176.	4.1	7
17	Kinetics Study of OH Uptake onto Deliquesced NaCl Particles by Combining Laser Photolysis and Laser-Induced Fluorescence. Journal of Physical Chemistry Letters, 2018, 9, 4115-4119.	4.6	9
18	Characterizing PM2.5 in Hanoi with New High Temporal Resolution Sensor. Aerosol and Air Quality Research, 2018, 18, 2487-2497.	2.1	41

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19	New System for Measuring the Photochemical Ozone Production Rate in the Atmosphere. Environmental Science & Technology, 2017, 51, 2871-2878.	10.0	6
20	Reactive Uptake of Gaseous Sesquiterpenes on Aqueous Surfaces. Journal of Physical Chemistry A, 2017, 121, 810-818.	2.5	47
21	Rate constants of the reaction of C2–C4 peroxy radicals with OH radicals. Chemical Physics Letters, 2017, 684, 245-249.	2.6	20
22	Total OH reactivity measurements for the OH-initiated oxidation of aromatic hydrocarbons in the presence of NOx. Atmospheric Environment, 2017, 171, 272-278.	4.1	15
23	Determination of nitrous acid emission factors from a gasoline vehicle using a chassis dynamometer combined with incoherent broadband cavity-enhanced absorption spectroscopy. Science of the Total Environment, 2017, 575, 287-293.	8.0	28
24	Characterization of Chromophoric Water-Soluble Organic Matter in Urban, Forest, and Marine Aerosols by HR-ToF-AMS Analysis and Excitation–Emission Matrix Spectroscopy. Environmental Science & Technology, 2016, 50, 10351-10360.	10.0	139
25	Carboxylate Ion Availability at the Air–Water Interface. Journal of Physical Chemistry A, 2016, 120, 9224-9234.	2.5	51
26	Total OH reactivity measurement in a BVOC dominated temperate forest during a summer campaign, 2014. Atmospheric Environment, 2016, 131, 41-54.	4.1	21
27	Terpenylic acid and nine-carbon multifunctional compounds formed during the aging of β-pinene ozonolysis secondary organic aerosol. Atmospheric Environment, 2016, 130, 127-135.	4.1	32
28	Wildfires impact on surface nitrogen oxides and ozone in Central Italy. Atmospheric Pollution Research, 2015, 6, 29-35.	3.8	10
29	Evaluation of Photochemical Pollution during Transport of Air Pollutants in Spring over the East China Sea. Asian Journal of Atmospheric Environment, 2015, 9, 237-246.	1.1	5
30	Concentration variations of total reactive nitrogen and total nitrate during transport to Fukue Island and to Cape Hedo, Japan in the marine boundary layer. Atmospheric Environment, 2014, 97, 471-478.	4.1	7
31	Aerial observation of nitrogen compounds over the East China Sea in 2009 and 2010. Atmospheric Environment, 2014, 97, 462-470.	4.1	8
32	Aerial observations of air masses transported from East Asia to the Western Pacific: Vertical structure of polluted air masses. Atmospheric Environment, 2014, 97, 456-461.	4.1	17
33	Total OH reactivity measurements in ambient air in a southern Rocky mountain ponderosa pine forest during BEACHON-SRM08 summer campaign. Atmospheric Environment, 2014, 85, 1-8.	4.1	40
34	UV-Light-Induced Water Condensation in Air and the Role of Hydrogen Peroxide. Bulletin of the Chemical Society of Japan, 2014, 87, 593-602.	3.2	14
35	Near-Surface Vertical Profiles of Urban Roadside NOx and Fine Particles. Aerosol and Air Quality Research, 2014, 14, 1763-1768.	2.1	4
36	Long term observation of surface O3 and its precursors in Dhaka, Bangladesh. Atmospheric Research, 2013, 122, 378-390.	4.1	17

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37	Atmospheric OH Reactivity Measurement Using Comparative Reactivity Method Followed by Gas Chromatography or Proton Transfer Reaction Mass Spectrometry. Bunseki Kagaku, 2013, 62, 369-378.	0.2	1
38	HOx and ROx Radicals in Atmospheric Chemistry. NATO Science for Peace and Security Series C: Environmental Security, 2013, , 77-92.	0.2	2
39	Development of a High Speed Measurement of Atmospheric Trace Species Using High Repetition Rate Cavity Ring-Down Spectroscopy. The Review of Laser Engineering, 2013, 41, 835.	0.0	0
40	Water Aerosol Formation upon Irradiation of Air Using KrF Laser at 248 nm. Bulletin of the Chemical Society of Japan, 2012, 85, 1155-1159.	3.2	6
41	Total OH reactivity measurements in laboratory studies of the photooxidation of isoprene. Atmospheric Environment, 2012, 62, 243-247.	4.1	11
42	Identification of volatile organic compounds in suburban Bangkok, Thailand and their potential for ozone formation. Atmospheric Research, 2012, 104-105, 245-254.	4.1	47
43	Influence of Beijing outflow on Volatile Organic Compounds (VOC) observed at a mountain site in North China Plain. Atmospheric Research, 2012, 111, 46-57.	4.1	10
44	Air quality diagnosis from comprehensive observations of total OH reactivity and reactive trace species in urban central Tokyo. Atmospheric Environment, 2012, 49, 51-59.	4.1	65
45	Influence of extensive compressed natural gas (CNG) usage on air quality. Atmospheric Environment, 2012, 54, 296-307.	4.1	27
46	Single-particle chemical characterization and source apportionment of iron-containing atmospheric aerosols in Asian outflow. Journal of Geophysical Research, 2011, 116, .	3.3	58
47	"A method to estimate the contribution of unidentified VOCs to OH reactivity― Atmospheric Environment, 2011, 45, 5531-5539.	4.1	25
48	Surface ozone and carbon monoxide levels observed at Oki, Japan: Regional air pollution trends in East Asia. Journal of Environmental Management, 2011, 92, 953-959.	7.8	15
49	Aerial Observation of Aerosols Transported from East Asia — Chemical Composition of Aerosols and Layered Structure of an Air Mass over the East China Sea. Aerosol and Air Quality Research, 2011, 11, 497-507.	2.1	29
50	Total OH reactivity and VOC analyses for gasoline vehicular exhaust with a chassis dynamometer. Atmospheric Environment, 2010, 44, 468-475.	4.1	44
51	Evaluation of non-methane hydrocarbon (NMHC) emissions based on an ambient air measurement in Tokyo area, Japan. Atmospheric Environment, 2010, 44, 4982-4993.	4.1	6
52	Laser induced fluorescence instrument for NO2 measurements: Observations at a central Italy background site. Atmospheric Environment, 2009, 43, 970-977.	4.1	45
53	Responses of DMS in the seawater and atmosphere to iron enrichment in the subarctic western North Pacific (SEEDS-II). Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 2899-2917.	1.4	13
54	Atmospheric trace gas measurements during SEEDS-II over the northwestern pacific. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 2918-2927.	1.4	10

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55	Leaf level emission measurement of sesquiterpenes and oxygenated sesquiterpenes from desert shrubs and temperate forest trees using a liquid extraction technique. Geochemical Journal, 2009, 43, 179-189.	1.0	18
56	Observation of ozone and carbon monoxide at Cape Hedo, Japan: Seasonal variation and influence of long-range transport. Atmospheric Environment, 2008, 42, 2971-2981.	4.1	42
57	Development of atmospheric NO analyzer by using a laser-induced fluorescence NO2 detector. Atmospheric Environment, 2008, 42, 7812-7820.	4.1	13
58	Reactive and particulate mercury in the Asian marine boundary layer. Atmospheric Environment, 2008, 42, 7988-7996.	4.1	73
59	Ultraviolet light-induced water-droplet formation from wet ambient air. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2007, 83, 320-325.	3.8	20
60	Atmospheric Outflow of Anthropogenic Semivolatile Organic Compounds from East Asia in Spring 2004. Environmental Science & Technology, 2007, 41, 3551-3558.	10.0	81
61	Trace gas measurements over the northwest Pacific during the 2002 IOC cruise. Geochemistry, Geophysics, Geosystems, 2007, 8, n/a-n/a.	2.5	8
62	Chemistry of OH and HO2radicals observed at Rishiri Island, Japan, in September 2003: Missing daytime sink of HO2and positive nighttime correlations with monoterpenes. Journal of Geophysical Research, 2007, 112, .	3.3	66
63	Transport of anthropogenic aerosols from Asia and subsequent chemical transformation. Journal of Geophysical Research, 2007, 112, .	3.3	104
64	Diurnal peroxy radical chemistry at a remote coastal site over the sea of Japan. Journal of Geophysical Research, 2007, 112, .	3.3	14
65	A proton transfer reaction mass spectrometry based system for determining plant uptake of volatile organic compounds. Atmospheric Environment, 2007, 41, 1736-1746.	4.1	35
66	Diurnal variations in H2O2, O3, PAN, HNO3 and aldehyde concentrations and NO/NO2 ratios at Rishiri Island, Japan: Potential influence from iodine chemistry. Science of the Total Environment, 2007, 376, 185-197.	8.0	18
67	Examination on photostationary state of NOx in the urban atmosphere in Japan. Atmospheric Environment, 2006, 40, 3230-3239.	4.1	24
68	Nocturnal sink of NOx via NO3 and N2O5 in the outflow from a source area in Japan. Atmospheric Environment, 2006, 40, 6294-6302.	4.1	27
69	Measurement of total OH reactivity by laser-induced pump and probe technique—comprehensive observations in the urban atmosphere of Tokyo. Atmospheric Environment, 2006, 40, 7869-7881.	4.1	86
70	Nitrogen Oxides Analyzer in ppt Level for Ambient Measurement by Laser Induced Fluorescence. The Review of Laser Engineering, 2006, 34, 295-299.	0.0	0
71	Methods for Preparing Standard Nitrate Radical (NO3) Gas to Calibrate the LIF-based Instrument for Measurements in the Atmosphere. Chemistry Letters, 2005, 34, 1214-1215.	1.3	4
72	Export of atmospheric mercury from Asia. Atmospheric Environment, 2005, 39, 3029-3038.	4.1	336

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73	In situ measurement of N2O5 in the urban atmosphere by thermal decomposition/laser-induced fluorescence technique. Atmospheric Environment, 2005, 39, 6802-6811.	4.1	35
74	Development of a measurement system for nitrate radical and dinitrogen pentoxide using a thermal conversion/laser-induced fluorescence technique. Review of Scientific Instruments, 2005, 76, 064101.	1.3	38
75	Measurements of OH Reactivity and Photochemical Ozone Production in the Urban Atmosphere. Environmental Science & Technology, 2005, 39, 8847-8852.	10.0	81
76	Gas-aerosol partitioning of semi volatile carbonyls in polluted atmosphere in Hachioji, Tokyo. Geophysical Research Letters, 2005, 32, .	4.0	32
77	Analyzer for Measuring NO3/N2O5 in the Atmosphere by Laser-Induced Fluorescence Technique. Journal of the Spectroscopical Society of Japan, 2005, 54, 23-31.	0.0	0
78	Development of a measurement system of OH reactivity in the atmosphere by using a laser-induced pump and probe technique. Review of Scientific Instruments, 2004, 75, 2648-2655.	1.3	115
79	Development of a measurement system of peroxy radicals using a chemical amplification/laser-induced fluorescence technique. Review of Scientific Instruments, 2004, 75, 864-872.	1.3	36
80	Transport of atmospheric carbon monoxide, ozone, and hydrocarbons from Chinese coast to Okinawa island in the Western Pacific during winter. Atmospheric Environment, 2004, 38, 2975-2981.	4.1	62
81	Urban air measurements using PTR-MS in Tokyo area and comparison with GC-FID measurements. International Journal of Mass Spectrometry, 2004, 235, 103-110.	1.5	46
82	Measurement of Volatile Organic Carbons by Proton Transfer Reaction Mass Spectrometry. Shinku/Journal of the Vacuum Society of Japan, 2004, 47, 600-605.	0.2	1
83	Solar actinic flux and photolysis frequency determinations by radiometers and a radiative transfer model at Rishiri Island: comparisons, cloud effects, and detection of an aerosol plume from Russian forest fires. Atmospheric Environment, 2003, 37, 2463-2475.	4.1	43
84	Improved analyzer for nitrogen dioxide by laser-induced fluorescence technique. Atmospheric Environment, 2003, 37, 4847-4851.	4.1	33
85	Photochemical reactions in the urban air: Recent understandings of radical chemistry. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2003, 4, 85-104.	11.6	54
86	Carbon monoxide, regional-scale transport, and biomass burning in tropical continental Southeast Asia: Observations in rural Thailand. Journal of Geophysical Research, 2003, 108, .	3.3	53
87	Boreal forest fires in Siberia in 1998: Estimation of area burned and emissions of pollutants by advanced very high resolution radiometer satellite data. Journal of Geophysical Research, 2002, 107, ACH 4-1.	3.3	77
88	The influence of Siberian forest fires on carbon monoxide concentrations at Happo, Japan. Atmospheric Environment, 2002, 36, 385-390.	4.1	59
89	Title is missing!. Journal of Atmospheric Chemistry, 2001, 38, 73-110.	3.2	78
90	Tropical tropospheric ozone observed in Thailand. Atmospheric Environment, 2001, 35, 2657-2668.	4.1	63

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91	Measurements of ozone and nonmethane hydrocarbons at Chichi-jima island, a remote island in the western Pacific: long-range transport of polluted air from the Pacific rim region. Atmospheric Environment, 2001, 35, 6021-6029.	4.1	44
92	Daytime HO2concentrations at Oki Island, Japan, in summer 1998: Comparison between measurement and theory. Journal of Geophysical Research, 2000, 105, 24205-24222.	3.3	61
93	Improvement of the New NO Detection Method Using Laser-Induced Two-Photon Ionization with a TOF Mass Spectrometer. Environmental Science & Technology, 2000, 34, 4434-4438.	10.0	6
94	Characterization of gas chromatography-negative ion chemical ionization mass Spectrometry for ambient measurement of PAN: Potential interferences and long-term sensitivity drift. Geophysical Research Letters, 2000, 27, 2089-2092.	4.0	12
95	Observed and modeled seasonal variation of13C,18O, and14C of atmospheric CO at Happo, a remote site in Japan, and a comparison with other records. Journal of Geophysical Research, 2000, 105, 8891-8900.	3.3	18
96	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. Geophysical Research Letters, 2000, 27, 4073-4076.	4.0	91
97	Seasonal variation of carbon monoxide at remote sites in Japan. Chemosphere, 1999, 1, 137-144.	1.2	18
98	Influence of regional-scale anthropogenic activity in northeast Asia on seasonal variations of surface ozone and carbon monoxide observed at Oki, Japan. Journal of Geophysical Research, 1999, 104, 3621-3631.	3.3	130
99	A new measurement technique of peroxyacetyl nitrate at parts per trillion by volume levels: Gas chromatography/negative ion chemical ionization mass spectrometry. Journal of Geophysical Research, 1999, 104, 21343-21354.	3.3	40
100	Solvent Effects on the Complex Formation of Benzophenone Ketyl Radical and Triethylamine. Journal of Physical Chemistry A, 1999, 103, 1457-1462.	2.5	13
101	Heats of formation of intermediate radicals in solution. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 115, 109-115.	3.9	12
102	Photochemical α-cleavage reaction of benzoin and its derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 116, 179-185.	3.9	27
103	Evidence for the seasonal variation of photochemical activity of tropospheric ozone: Continuous observation of ozone and CO at Happo, Japan. Geophysical Research Letters, 1998, 25, 3505-3508.	4.0	58
104	New method for measuring low NO concentrations using laser induced two photon ionization. Review of Scientific Instruments, 1997, 68, 2891-2897.	1.3	18
105	Long-range transport of ozone, carbon monoxide, and acidic trace gases at Oki Island, Japan, during PEM-WEST B/PEACAMPOT B campaign. Journal of Geophysical Research, 1997, 102, 28637-28649.	3.3	42
106	Photoinduced through-bond electron transfer and rearrangement in bichromophoric chain molecules. Tetrahedron Letters, 1996, 37, 505-508.	1.4	4
107	Photoinduced dehydrogenation reaction of CH3NH2 by NO2 in a cryogenic Ar matrix. Identification of the CH2 = NH · H2O complex. Chemical Physics Letters, 1995, 232, 109-114.	2.6	10
108	Kinetic studies of the photochemical reaction of C60 with amine in solution. Journal of Photochemistry and Photobiology A: Chemistry, 1995, 92, 69-72.	3.9	4

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109	Dissociation of highly excited triplet benzophenone into phenyl radicals and carbon monoxide: determination of the reaction quantum yield and the heat of reaction by time-resolved thermal lensing technique. Chemical Physics, 1994, 180, 99-107.	1.9	5
110	Photochemical reaction of C60 in the presence of triethylamine in toluene. Chemical Physics Letters, 1993, 204, 283-286.	2.6	18
111	Highly excited triplet state dynamics of benzophenone studied by pump and probe time-resolved thermal lensing spectroscopy. Chemical Physics, 1993, 169, 291-296.	1.9	17
112	Visible light induced reactions of nitrogen dioxide with conjugated dienes in a low-temperature argon matrix. The Journal of Physical Chemistry, 1993, 97, 7048-7053.	2.9	19
113	Photochemical reaction of excited benzophenone in the gas phase. The Journal of Physical Chemistry, 1992, 96, 4455-4458.	2.9	15
114	Hydrogen abstraction in the neutral molecular cluster of benzophenone and hydrogen donors formed in a supersonic free jet expansion. The Journal of Physical Chemistry, 1992, 96, 6566-6570.	2.9	11
115	Complex formation of benzophenone ketyl radical and triethylamine. The Journal of Physical Chemistry, 1992, 96, 7244-7247.	2.9	23
116	Relaxation processes of highly excited naphthalene in solution studied by time-resolved thermal lensing technique. Chemical Physics, 1992, 161, 447-452.	1.9	22
117	Transient absorption, lifetime and relaxation of C60 in the triplet state. Chemical Physics Letters, 1991, 181, 100-104.	2.6	116
118	Improvement of time resolution of laser-induced optoacoustic spectroscopy Journal of the Spectroscopical Society of Japan, 1989, 38, 39-40.	0.0	0
119	Transient and matrix ultraviolet absorption spectra of dimethylgermylene (dimethylgermanediyl). Journal of the Chemical Society Chemical Communications, 1988, , 910.	2.0	15
120	Quenching of triplet benzophenone by 2,4,6-tri-tert-butylphenol and formation of its phenoxy radical. The Journal of Physical Chemistry, 1987, 91, 2791-2794.	2.9	23
121	Deuterium isotope effects on photodecomposition of alkylbenzenes. Journal of Chemical Physics, 1987, 86, 6115-6118.	3.0	28
122	ArF laser flash photolysis of phenol and anisole. Journal of Chemical Physics, 1987, 87, 5059-5063.	3.0	25
123	Triplet-triplet energy transfer in a copper(II) porphyrin-free-base porphyrin dimer. The Journal of Physical Chemistry, 1987, 91, 4269-4273.	2.9	28
124	Fluorescence spectra and lifetimes of chalcone ketyl radical anions. Chemical Physics Letters, 1987, 139, 187-190.	2.6	12
125	Isotope effects on radiationless transitions from the lowest excited singlet state of tetraphenylporphin. Chemical Physics Letters, 1984, 111, 347-349.	2.6	30