

# Yutaka Matsumi

## List of Publications by Year in descending order

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202  
papers

5,106  
citations

93792

39  
h-index

175968

55  
g-index

210  
all docs

210  
docs citations

210  
times ranked

5029  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genesis of a Severe Dust Storm Over the Indian Subcontinent: Dynamics and Impacts. Earth and Space Science, 2022, 9, e2021EA001702.	1.1	7
2	Developing an insulation box with automatic temperature control for PM2.5 measurements in cold regions. Journal of Environmental Management, 2022, 311, 114784.	3.8	2
3	Size-segregated chemical compositions of particulate matter including PM0.1 in northern Vietnam, a highly polluted area where notable seasonal episodes occur. Atmospheric Pollution Research, 2022, 13, 101478.	1.8	5
4	Theoretical study on the enthalpies of adduct formation between alkyl iodides and chlorine atoms. Chemical Physics Letters, 2021, 762, 138140.	1.2	1
5	The effects of meteorological conditions and long-range transport on PM2.5 levels in Hanoi revealed from multi-site measurement using compact sensors and machine learning approach. Journal of Aerosol Science, 2021, 152, 105716.	1.8	22
6	Variabilities in PM2.5 and Black Carbon Surface Concentrations Reproduced by Aerosol Optical Properties Estimated by In-Situ Data, Ground Based Remote Sensing and Modeling. Remote Sensing, 2021, 13, 3163.	1.8	4
7	Transit pollution exposure monitoring using low-cost wearable sensors. Transportation Research, Part D: Transport and Environment, 2021, 98, 102981.	3.2	15
8	PM2.5 diminution and haze events over Delhi during the COVID-19 lockdown period: an interplay between the baseline pollution and meteorology. Scientific Reports, 2020, 10, 13442.	1.6	75
9	Low-cost Air Quality Sensing Process: Validation by Indoor-Outdoor Measurements. , 2020, , .		11
10	PM2.5 and ozone in office environments and their potential impact on human health. Ecotoxicology and Environmental Safety, 2020, 194, 110432.	2.9	33
11	Observation of vertical profiles of NO, O<sub>3</sub>, and VOCs to estimate their sources and sinks by inverse modeling in a Japanese larch forest. J Agricultural Meteorology, 2020, 76, 1-10.	0.8	3
12	Effects of pyrolysis temperature and feedstock type on particulate matter emission characteristics during biochar combustion. Fuel Processing Technology, 2020, 204, 106408.	3.7	21
13	Mobile Measurement of PM2.5 Based on an Individual in Ulaanbaatar City. International Journal of Environmental Research and Public Health, 2020, 17, 2701.	1.2	3
14	Can Delhi's Pollution be Affected by Crop Fires in the Punjab Region?. Scientific Online Letters on the Atmosphere, 2020, 16, 86-91.	0.6	16
15	Assessment of the Sphericity of Submicrometer Particles Using a Single-particle Polar Nephelometer at an Urban Site in Japan. Aerosol and Air Quality Research, 2020, 20, 2474-2484.	0.9	2
16	Development of a Fast Analytical Instrument for the Detection of NO, NO<sub>2</sub> and O<sub>3</sub> and Application at a Mountain Roadside. International Journal of Automotive Engineering, 2020, 11, 193-199.	0.3	1
17	Ground-based observation of lightning-induced nitrogen oxides at a mountaintop in free troposphere. Journal of Atmospheric Chemistry, 2019, 76, 133-150.	1.4	5
18	Observation of column-averaged molar mixing ratios of carbon dioxide in Tokyo. Atmospheric Environment: X, 2019, 2, 100022.	0.8	1

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19	Development of a balloon-borne instrument for CO <sub>2</sub> vertical profile observations in the troposphere. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5639-5653.	1.2	6
20	MegaSense: Feasibility of Low-Cost Sensors for Pollution Hot-spot Detection. , 2019, , .		24
21	The exposure of children to PM <sub>2.5</sub> and dust in indoor and outdoor school classrooms in Kuala Lumpur City Centre. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 739-749.	2.9	48
22	Balloon-borne tropospheric CO <sub>2</sub> observations over the equatorial eastern and western Pacific. <i>Atmospheric Environment</i> , 2018, 184, 24-36.	1.9	12
23	Effect of Oxidation Process on Complex Refractive Index of Secondary Organic Aerosol Generated from Isoprene. <i>Environmental Science &amp; Technology</i> , 2018, 52, 2566-2574.	4.6	19
24	Development and evaluation of a palm-sized optical PM <sub>2.5</sub> sensor. <i>Aerosol Science and Technology</i> , 2018, 52, 2-12.	1.5	49
25	Development of an Analytical Method for the Detection of NO <sub>x</sub> and Its Application to the Atmospheric Analysis at a Mountain Site. <i>Bunseki Kagaku</i> , 2018, 67, 333-340.	0.1	3
26	Characterizing PM <sub>2.5</sub> in Hanoi with New High Temporal Resolution Sensor. <i>Aerosol and Air Quality Research</i> , 2018, 18, 2487-2497.	0.9	41
27	Continuous measurements of stable isotopes of carbon dioxide and water vapour in an urban atmosphere: isotopic variations associated with meteorological conditions. <i>Isotopes in Environmental and Health Studies</i> , 2017, 53, 646-659.	0.5	3
28	Ground-based measurement of column-averaged mixing ratios of methane and carbon dioxide in the Sichuan Basin of China by a desktop optical spectrum analyzer. <i>Journal of Applied Remote Sensing</i> , 2017, 12, 1.	0.6	4
29	Design and characterization of a novel single-particle polar nephelometer. <i>Aerosol Science and Technology</i> , 2016, 50, 392-404.	1.5	19
30	<i>In situ</i> measurement of CO <sub>2</sub> and water vapour isotopic compositions at a forest site using mid-infrared laser absorption spectroscopy. <i>Isotopes in Environmental and Health Studies</i> , 2016, 52, 603-618.	0.5	2
31	Hygroscopicity of aerosol particles and CCN activity of nearly hydrophobic particles in the urban atmosphere over Japan during summer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7215-7234.	1.2	14
32	Light absorption and morphological properties of soot-containing aerosols observed at an East Asian outflow site, Noto Peninsula, Japan. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2525-2541.	1.9	54
33	Total OH reactivity measurement in a BVOC dominated temperate forest during a summer campaign, 2014. <i>Atmospheric Environment</i> , 2016, 131, 41-54.	1.9	21
34	Characterization of a Three Wavelength Photoacoustic Soot Spectrometer (PASS-3) and a Photoacoustic Extinctionmeter (PAX). <i>Journal of the Meteorological Society of Japan</i> , 2015, 93, 285-308.	0.7	68
35	Complex refractive index of secondary organic aerosol generated from isoprene/NO <sub>x</sub> photooxidation in the presence and absence of SO <sub>2</sub> . <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 7777-7787.	1.2	27
36	East Asian Monsoon controls on the inter-annual variability in precipitation isotope ratio in Japan. <i>Climate of the Past</i> , 2015, 11, 339-353.	1.3	28

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37	Preliminary Assessment of Methane Concentration Variation Observed by GOSAT in China. <i>Advances in Meteorology</i> , 2015, 2015, 1-11.	0.6	5
38	Evaluation of MAX-DOAS aerosol retrievals by coincident observations using CRDS, lidar, and sky radiometer in Tsukuba, Japan. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 2775-2788.	1.2	33
39	Characteristics of atmospheric aerosols containing heavy metals measured on Fukue Island, Japan. <i>Atmospheric Environment</i> , 2014, 97, 447-455.	1.9	28
40	Measurement of the light absorbing properties of diesel exhaust particles using a three-wavelength photoacoustic spectrometer. <i>Atmospheric Environment</i> , 2014, 94, 428-437.	1.9	25
41	Properties of light-absorbing aerosols in the Nagoya urban area, Japan, in August 2011 and January 2012: Contributions of brown carbon and lensing effect. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,721.	1.2	57
42	Wavelength and NO <sub>x</sub> -dependent complex refractive index of SOAs generated from the photooxidation of toluene. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 531-545.	1.9	129
43	Isotopic Variations Associated with North-South Displacement of the Baiu Front. <i>Scientific Online Letters on the Atmosphere</i> , 2013, 9, 187-190.	0.6	8
44	Wavelength Dependence of Refractive Index of Secondary Organic Aerosols Generated during the Ozonolysis and Photooxidation of $\alpha$ -Pinene. <i>Scientific Online Letters on the Atmosphere</i> , 2012, 8, 119-123.	0.6	32
45	Ion Formation Processes in Laser Ablation of Multicomponent Inorganic Particles Relevant to Single Particle Laser Analysis of Atmospheric Aerosols. <i>Chemistry Letters</i> , 2011, 40, 446-448.	0.7	1
46	Comparison of laser-induced fluorescence and chemiluminescence measurements of NO <sub>2</sub> at an urban site. <i>Atmospheric Environment</i> , 2011, 45, 6233-6240.	1.9	21
47	Characterization of Aerosol Particles in the Tokyo Metropolitan Area using Two Different Particle Mass Spectrometers. <i>Aerosol Science and Technology</i> , 2011, 45, 315-326.	1.5	11
48	PLP-LIF study of the reactions of chlorine atoms with C <sub>2</sub> H <sub>2</sub> , C <sub>2</sub> H <sub>4</sub> , and C <sub>3</sub> H <sub>6</sub> in 2 × 10 <sup>-4</sup> Torr of N <sub>2</sub> diluent at 295 K. <i>Chemical Physics Letters</i> , 2010, 494, 174-178.	1.2	4
49	Measurements of aerosol optical properties in central Tokyo during summertime using cavity ring-down spectroscopy: Comparison with conventional techniques. <i>Atmospheric Environment</i> , 2010, 44, 3034-3042.	1.9	31
50	Laboratory studies on optical properties of secondary organic aerosols generated during the photooxidation of toluene and the ozonolysis of $\alpha$ -pinene. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	130
51	Fluorescence detection of atmospheric nitrogen dioxide using a blue light-emitting diode as an excitation source. <i>Applied Optics</i> , 2010, 49, 3762.	2.1	6
52	Size-dependent correction factors for absorption measurements using filter-based photometers: PSAP and COSMOS. <i>Journal of Aerosol Science</i> , 2010, 41, 333-343.	1.8	57
53	Radiative transfer modeling of filter-based measurements of light absorption by particles: Importance of particle size dependent penetration depth. <i>Journal of Aerosol Science</i> , 2010, 41, 401-412.	1.8	29
54	Remotely operable compact instruments for measuring atmospheric CO <sub>2</sub> and CH <sub>4</sub> column densities at surface monitoring sites. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 1103-1112.	1.2	27

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55	Optical Properties and Chemical Compositions of Iodine-Containing Aerosols Produced from the Atmospheric Photolysis of Methylene Iodide in the Presence of Ozone. Bulletin of the Chemical Society of Japan, 2009, 82, 910-913.	2.0	5
56	Internal Mixing of Pollutants for Submicron Particles Observed during Springtime in Japan. Asian Journal of Atmospheric Environment, 2009, 3, 27-41.	0.4	2
57	Atmospheric chemistry of cyclohexanone: UV spectrum and kinetics of reaction with chlorine atoms. International Journal of Chemical Kinetics, 2008, 40, 223-229.	1.0	6
58	Thermal decomposition rate of $N_2O_5$ measured by cavity ring-down spectroscopy. International Journal of Chemical Kinetics, 2008, 40, 679-684.	1.0	10
59	Vacuum UV laser-induced fluorescence study of the collisional removal of Br(2P <sub>1/2</sub> ) atoms by small molecules. Chemical Physics Letters, 2008, 463, 50-53.	1.2	2
60	Pulsed laser photolysis vacuum UV laser-induced fluorescence kinetic study of the reactions of Cl(2P <sub>3/2</sub> ) atoms with ethyl formate, n-propyl formate, and n-butyl formate. Chemical Physics Letters, 2008, 467, 70-73.	1.2	7
61	Nighttime measurements of ambient N <sub>2</sub> O <sub>5</sub> , NO <sub>2</sub> , NO and O <sub>3</sub> in a sub-urban area, Toyokawa, Japan. Atmospheric Environment, 2008, 42, 1995-2006.	1.9	28
62	Kinetics and Mechanism of the Reaction of Chlorine Atoms with n-Pentanal. Journal of Physical Chemistry A, 2008, 112, 1741-1746.	1.1	7
63	Approach to Thermal Equilibrium in Atomic Collisions. Physical Review Letters, 2008, 100, 103001.	2.9	18
64	Single Particle Analysis of Secondary Organic Aerosols Formed from 1,4-Cyclohexadiene Ozonolysis Using a Laser-Ionization Single-Particle Aerosol Mass Spectrometer. Bulletin of the Chemical Society of Japan, 2008, 81, 120-126.	2.0	7
65	Diagnostics of surface wave excited Kr/O <sub>2</sub> plasma for low-temperature oxidation processes. Journal of Applied Physics, 2007, 102, 013302.	1.1	13
66	Real-Time Analysis of Secondary Organic Aerosol Particles Formed from Cyclohexene Ozonolysis Using a Laser-Ionization Single-Particle Aerosol Mass Spectrometer. Analytical Sciences, 2007, 23, 507-512.	0.8	18
67	Measurements of Ammonium and Sodium salt Aerosol Particles Using a Laser-ionization Single-particle Aerosol Mass Spectrometer. Chemistry Letters, 2007, 36, 904-905.	0.7	8
68	Atmospheric deuterium fractionation: HCHO and HCDO yields in the CH <sub>3</sub> CH <sub>2</sub> DO + O <sub>2</sub> reaction. Atmospheric Chemistry and Physics, 2007, 7, 5873-5881.	1.9	33
69	Trace detection of atmospheric NO <sub>2</sub> by laser-induced fluorescence using a GaN diode laser and a diode-pumped YAG laser. Applied Optics, 2007, 46, 907.	2.1	22
70	Atmospheric Chemistry of CF <sub>3</sub> CHCH <sub>2</sub> and C <sub>4</sub> F <sub>9</sub> CHCH <sub>2</sub> : Products of the Gas-Phase Reactions with Cl Atoms and OH Radicals. Journal of Physical Chemistry A, 2007, 111, 909-915.	1.1	35
71	Pulsed Laser Photolysis Vacuum UV Laser-Induced Fluorescence Kinetic Study of the Gas-Phase Reactions of Cl(2P <sub>3/2</sub> ) Atoms with C <sub>3</sub> -C <sub>6</sub> Ketones. Journal of Physical Chemistry A, 2007, 111, 1271-1276.	1.1	20
72	Vacuum ultraviolet laser-induced fluorescence kinetic study of the reactions of Cl atoms with fluoroalkenes (C <sub>x</sub> F <sub>2x+1</sub> CH=CH <sub>2</sub> , x = 1,2,4, 6, and 8) at low pressures. International Journal of Chemical Kinetics, 2007, 39, 328-332.	1.0	7

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73	Mechanism of the gas phase reaction of chlorine atoms with butanone. <i>Chemical Physics Letters</i> , 2007, 439, 274-279.	1.2	10
74	Scavenging of pollutant acid substances by Asian mineral dust particles. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	24
75	Kinetic study of the collisional quenching of spin-orbitally excited atomic chlorine, Cl(2P <sub>1/2</sub> ), by H <sub>2</sub> O, D <sub>2</sub> O, and H <sub>2</sub> O <sub>2</sub> . <i>Chemical Physics Letters</i> , 2006, 418, 15-18.	1.2	2
76	Kinetics of the gas phase reactions of chlorine atoms with a series of ketones. <i>Chemical Physics Letters</i> , 2006, 431, 257-260.	1.2	19
77	Laboratory Study of O(1S) Formation Process in the Photolysis of O <sub>3</sub> and its Atmospheric Implications. <i>Journal of Atmospheric Chemistry</i> , 2006, 53, 107-122.	1.4	4
78	Atmospheric chemistry of C <sub>x</sub> F <sub>2x+1</sub> CHCH <sub>2</sub> (x=1, 2, 4, 6, and 8): Kinetics of gas-phase reactions with Cl atoms, OH radicals, and O <sub>3</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 176, 124-128.	2.0	45
79	Laser-induced fluorescence study of the quenching of Cl(2P <sub>1/2</sub> ) in collisions with N <sub>2</sub> molecules and rare gas atoms. <i>Chemical Physics Letters</i> , 2005, 406, 259-262.	1.2	7
80	Rate constants of the O(1D) reactions with N <sub>2</sub> , O <sub>2</sub> , N <sub>2</sub> O, and H <sub>2</sub> O at 295K. <i>Chemical Physics Letters</i> , 2005, 410, 196-200.	1.2	33
81	Quantum yield for hydrogen atom formation from H <sub>2</sub> O <sub>2</sub> photolysis in the range 193-240 nm. <i>International Journal of Chemical Kinetics</i> , 2005, 37, 751-754.	1.0	4
82	Accurate Determination of the Absolute Quantum Yield for O(1D) Formation in the Photolysis of Ozone at 308 nm. <i>ChemInform</i> , 2005, 36, no.	0.1	0
83	Atmospheric Chemistry of CH <sub>3</sub> CHF <sub>2</sub> (HFC-152a): Kinetics, Mechanisms, and Products of Cl Atom- and OH Radical-Initiated Oxidation in the Presence and Absence of NO <sub>x</sub> . <i>Journal of Physical Chemistry A</i> , 2005, 109, 9061-9069.	1.1	16
84	Kinetics of the Reactions of Cl*(2P <sub>1/2</sub> ) and Cl(2P <sub>3/2</sub> ) Atoms with CH <sub>3</sub> OH, C <sub>2</sub> H <sub>5</sub> OH, n-C <sub>3</sub> H <sub>7</sub> OH, and i-C <sub>3</sub> H <sub>7</sub> OH at 295 K. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3935-3940.	1.1	20
85	N(4S) Formation following the 193.3-nm ArF Laser Irradiation of NO and NO <sub>2</sub> and Its Application to Kinetic Studies of N(4S) Reactions with NO and NO <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , 2005, 109, 10897-10902.	1.1	10
86	Nitrate Radical Quantum Yield from Peroxyacetyl Nitrate Photolysis. <i>Journal of Physical Chemistry A</i> , 2005, 109, 2552-2558.	1.1	8
87	Quantum Yields for Cl(2P <sub>j</sub> ) Atom Formation from the Photolysis of Chlorofluorocarbons and Chlorinated Hydrocarbons at 193.3 nm. <i>Journal of Physical Chemistry A</i> , 2005, 109, 2855-2860.	1.1	33
88	Thermalization cross sections of suprathermal N(4S) atoms in collisions with atmospheric molecules. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	7
89	CF <sub>3</sub> ONO <sub>2</sub> yield in the gas phase reaction of CF <sub>3</sub> O <sub>2</sub> radicals with NO. <i>Chemical Physics Letters</i> , 2004, 388, 242-247.	1.2	15
90	Reaction kinetics of O(1S) atom with atmospheric molecules. <i>Chemical Physics Letters</i> , 2004, 398, 163-167.	1.2	2

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91	Atmospheric Chemistry of Pivalaldehyde and Isobutyraldehyde: Kinetics and Mechanisms of Reactions with Cl Atoms, Fate of (CH <sub>3</sub> ) <sub>3</sub> CC(O) and (CH <sub>3</sub> ) <sub>2</sub> CHC(O) Radicals, and Self-Reaction Kinetics of (CH <sub>3</sub> ) <sub>3</sub> CC(O)O <sub>2</sub> and (CH <sub>3</sub> ) <sub>2</sub> CHC(O)O <sub>2</sub> Radicals. <i>Journal of Physical Chemistry A</i> , 2004, 108, 795-805.	1.1	19
92	Quantum Yield for O(1D) Production from Ozone Photolysis in the Wavelength Range of 193~225 nm. <i>Journal of Physical Chemistry A</i> , 2004, 108, 2710-2714.	1.1	11
93	Hydrogen Atom Formation in the Photolysis of Acetone at 193 nm. <i>Journal of Physical Chemistry A</i> , 2004, 108, 8002-8008.	1.1	12
94	Accurate Determination of the Absolute Quantum Yield for O(1D) Formation in the Photolysis of Ozone at 308 nm. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10497-10501.	1.1	5
95	Photodissociation of Water Dimer at 205 nm. <i>Journal of Physical Chemistry A</i> , 2004, 108, 8119-8124.	1.1	20
96	Formation of O(3P) Atoms in the Photolysis of N <sub>2</sub> O at 193 nm and O(3P) + N <sub>2</sub> O Product Channel in the Reaction of O(1D) + N <sub>2</sub> O. <i>Journal of Physical Chemistry A</i> , 2004, 108, 2451-2456.	1.1	35
97	Equilibrium Constants of the Reaction of Cl with O <sub>2</sub> in the Formation of ClOO. <i>Journal of Physical Chemistry A</i> , 2004, 108, 8096-8099.	1.1	21
98	Secondary Organic Aerosol Formation during the Photo-Oxidation of Toluene: Dependence on Initial Hydrocarbon Concentration. <i>Bulletin of the Chemical Society of Japan</i> , 2004, 77, 667-671.	2.0	27
99	Vacuum Ultraviolet Laser-Induced Fluorescence Detection of O(1S) Atom Produced in the 193 nm Photolysis of Ozone. <i>Journal of Physical Chemistry A</i> , 2003, 107, 9368-9373.	1.1	9
100	Photolysis of Atmospheric Ozone in the Ultraviolet Region. <i>Chemical Reviews</i> , 2003, 103, 4767-4782.	23.0	153
101	Quantum yield for N(4S) production in the ultraviolet photolysis of N <sub>2</sub> O. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	8
102	Sensitivity studies of the recent new data on O( <sup>1</sup> S) quantum yields in O( <sup>3</sup> S) Hartley band photolysis in the stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 1293-1300.	1.9	9
103	Dissociative ionization of ICl studied by ion imaging spectroscopy. <i>Journal of Chemical Physics</i> , 2002, 117, 1130-1138.	1.2	11
104	Electronic quenching of O(1D) by collisions with O <sub>2</sub> : A theoretical study in a collinear case. <i>Journal of Chemical Physics</i> , 2002, 116, 5551-5556.	1.2	6
105	Laser-Induced Fluorescence Instrument for the Detection of Tropospheric OH Radicals. <i>Bulletin of the Chemical Society of Japan</i> , 2002, 75, 711-717.	2.0	13
106	Isotope <sup>18</sup> O/ <sup>16</sup> O ratio measurements of water vapor by use of the 950-nm wavelength region with cavity ring-down and photoacoustic spectroscopic techniques. <i>Applied Optics</i> , 2002, 41, 2349.	2.1	2
107	Quantum yields for production of O(1D) in the ultraviolet photolysis of ozone: Recommendation based on evaluation of laboratory data. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 1-1.	3.3	99
108	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> , 2002, 107, ACH 2-1.	3.3	95

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109	Nonthermal steady state translational energy distributions of O(1D) atoms in the stratosphere. Journal of Geophysical Research, 2002, 107, ACH 6-1.	3.3	11
110	Quantum yields of O(1D) formation in the photolysis of ozone between 230 and 308 nm. Journal of Geophysical Research, 2002, 107, ACH 11-1.	3.3	28
111	Atmospheric chemistry of CF <sub>3</sub> CFHOCF <sub>3</sub> : Reaction with OH radicals, atmospheric lifetime, and global warming potential. Journal of Geophysical Research, 2002, 107, ACH 4-1-ACH 4-6.	3.3	5
112	Atmospheric chemistry of CF <sub>3</sub> CFHOCF <sub>3</sub> : kinetics of the reaction with Cl atoms and fate of CF <sub>3</sub> CFO. Journal of Geophysical Research, 2002, 107, ACH 11-1.	1.2	12
113	Kinetics of the reactions of Cl(2P <sub>1/2</sub> ) and Cl(2P <sub>3/2</sub> ) atoms with C <sub>3</sub> H <sub>8</sub> , C <sub>3</sub> D <sub>8</sub> , n-C <sub>4</sub> H <sub>10</sub> , and i-C <sub>4</sub> H <sub>10</sub> at 298 K. Chemical Physics Letters, 2001, 346, 16-22.	1.2	15
114	Reaction Processes of O(1D) with Fluoroethane Compounds. Journal of Physical Chemistry A, 2001, 105, 65-69.	1.1	11
115	Kinetics of the Reactions of Cl(2P <sub>1/2</sub> ) and Cl(2P <sub>3/2</sub> ) Atoms with C <sub>2</sub> H <sub>6</sub> , C <sub>2</sub> D <sub>6</sub> , CH <sub>3</sub> F, C <sub>2</sub> H <sub>5</sub> F, and CH <sub>3</sub> CF <sub>3</sub> at 298 K. Journal of Physical Chemistry A, 2001, 105, 5131-5136.	1.1	41
116	Above-Threshold Effects in the Photodissociation and Photoionization of Iodobenzene. Journal of Physical Chemistry A, 2001, 105, 2270-2280.	1.1	35
117	High-Sensitivity Instrument for Measuring Atmospheric NO <sub>2</sub> . Analytical Chemistry, 2001, 73, 5485-5493.	3.2	40
118	Controlling the branching ratio of the photodissociation of aligned Cl <sub>2</sub> at 404 nm. Chemical Physics Letters, 2001, 340, 83-88.	1.2	6
119	Above-Threshold Dissociative Ionization in the Intermediate Intensity Regime. Physical Review Letters, 2001, 86, 2245-2248.	2.9	11
120	Doppler Profiles of the Distribution of O(1D) Relaxing in Ne. Journal of Physical Chemistry A, 2001, 105, 253-262.		0
121	Effect of molecular bending on the photodissociation of OCS. Journal of Chemical Physics, 2000, 112, 7095-7101.	1.2	44
122	Control of photofragment velocity anisotropy by optical alignment of CH <sub>3</sub> I. Journal of Chemical Physics, 2000, 112, 2164-2167.	1.2	28
123	Reaction kinetics of O(1D) with CF <sub>3</sub> CN. Physical Chemistry Chemical Physics, 2000, 2, 5578-5583.	1.3	7
124	Relaxation Processes of Translationally Hot O(1D) by Collisions with O <sub>2</sub> . Journal of Physical Chemistry A, 2000, 104, 3894-3899.	1.1	15
125	Photodissociation of O <sub>3</sub> around 309 nm. Journal of Physical Chemistry A, 2000, 104, 8936-8944.	1.1	28
126	Determination of the heat of formation of O <sub>3</sub> using vacuum ultraviolet laser-induced fluorescence spectroscopy and two-dimensional product imaging techniques. Journal of Chemical Physics, 1999, 111, 6350-6355.	1.2	50

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127	Translational energy and angular distributions of O( $\Delta$ ) and O( $\Sigma$ ) fragments in the UV photodissociation of ozone. <i>Chemical Physics</i> , 1998, 231, 171-182.	0.9	29
128	Isotope $^{18}\text{O}/^{16}\text{O}$ ratio measurements of water vapor by use of photoacoustic spectroscopy. <i>Applied Optics</i> , 1998, 37, 6558.	2.1	4
129	ATMOSPHERIC CHEMISTRY: Photochemistry of Ozone: Surprises and Recent Lessons. <i>Science</i> , 1998, 280, 60-61.	6.0	103
130	Wavelength and temperature dependence of the absolute O( $^1\text{D}$ ) production yield from the 305–329 nm photodissociation of ozone. <i>Journal of Chemical Physics</i> , 1998, 108, 7161-7172.	1.2	47
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