

# Masahiro Kawasaki

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12079584/publications.pdf>

Version: 2024-02-01

200  
papers

4,554  
citations

108046

37  
h-index

214428

50  
g-index

206  
all docs

206  
docs citations

206  
times ranked

2672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semiconducting properties of p- and n-type organic nanofiber/poly(methyl methacrylate) composite films for film rectifier. <i>Synthetic Metals</i> , 2016, 213, 1-6.	2.1	7
2	UV-Light-Induced Water Condensation in Air and the Role of Hydrogen Peroxide. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 593-602.	2.0	14
3	Photochemical reaction processes during vacuum-ultraviolet irradiation of water ice. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2013, 16, 46-61.	5.6	28
4	Thin, transparent conductive films fabricated from conducting polymer nanofibers. <i>Polymer Journal</i> , 2013, 45, 819-823.	1.3	17
5	Iodine Emission in the Presence of Humic Substances at the Water's Surface. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5779-5783.	1.1	17
6	Microscopic conduction pathways of poly(3-hexylthiophene) nanofibers embedded in polymer film. <i>Polymer Journal</i> , 2012, 44, 371-374.	1.3	9
7	A theoretical and experimental study on translational and internal energies of H <sub>2</sub> O and OH from the 157 nm irradiation of amorphous solid water at 90 K. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15810.	1.3	16
8	Ab initio theoretical calculations of the electronic excitation energies of small water clusters. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20745.	1.3	7
9	Surface abundance change in vacuum ultraviolet photodissociation of CO <sub>2</sub> and H <sub>2</sub> O mixture ices. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15785.	1.3	3
10	Weak Acids Enhance Halogen Activation on Atmospheric Water's Surfaces. <i>Journal of Physical Chemistry A</i> , 2011, 115, 4935-4940.	1.1	40
11	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
12	Translational and rotational energy measurements of desorbed water molecules in their vibrational ground state following 157nm irradiation of amorphous solid water. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2011, 269, 1011-1015.	0.6	3
13	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
14	Effective Interaction Energies for Weakly Bound Dimers at Room Temperature: (H <sub>2</sub> O) <sub>2</sub> , (N <sub>2</sub> O) <sub>2</sub> , (CO <sub>2</sub> ) <sub>2</sub> , and (HCHO) <sub>2</sub> . <i>Chemistry Letters</i> , 2010, 39, 296-297.	0.7	1
15	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
16	Absorption spectrum of nitrous acid for the $\hat{1}\frac{1}{2}1+2\hat{1}\frac{1}{2}3$ band studied with continuous-wave cavity ring-down spectroscopy and theoretical calculations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2010, 111, 45-51.	1.1	9
17	A desorption mechanism of water following vacuum-ultraviolet irradiation on amorphous solid water at 90 K. <i>Journal of Chemical Physics</i> , 2010, 132, 164508.	1.2	40
18	Role of OH radicals in the formation of oxygen molecules following vacuum ultraviolet photodissociation of amorphous solid water. <i>Journal of Chemical Physics</i> , 2010, 133, 104504.	1.2	12

#	ARTICLE	IF	CITATIONS
19	Heterogeneous Reaction of Gaseous Ozone with Aqueous Iodide in the Presence of Aqueous Organic Species. <i>Journal of Physical Chemistry A</i> , 2010, 114, 6016-6021.	1.1	52
20	Translational and internal states of hydrogen molecules produced from the ultraviolet photodissociation of amorphous solid methanol. <i>Journal of Chemical Physics</i> , 2009, 130, 164505.	1.2	9
21	Formation mechanisms of oxygen atoms in the O(D21) state from the 157nm photoirradiation of amorphous water ice at 90K. <i>Journal of Chemical Physics</i> , 2009, 131, 114510.	1.2	19
22	Direct Emission of I <sub>2</sub> Molecule and IO Radical from the Heterogeneous Reactions of Gaseous Ozone with Aqueous Potassium Iodide Solution. <i>Journal of Physical Chemistry A</i> , 2009, 113, 7707-7713.	1.1	75
23	TRANSLATIONAL AND ROTATIONAL ENERGY MEASUREMENTS OF PHOTODESORBED WATER MOLECULES IN THEIR VIBRATIONAL GROUND STATE FROM AMORPHOUS SOLID WATER. <i>Astrophysical Journal</i> , 2009, 699, L80-L83.	1.6	33
24	Formation mechanisms of oxygen atoms in the O(P3) state from the 157nm photoirradiation of amorphous water ice at 90K. <i>Journal of Chemical Physics</i> , 2009, 131, 114511.	1.2	18
25	Desorption of hydroxyl radicals in the vacuum ultraviolet photolysis of amorphous solid water at 90 K. <i>Journal of Chemical Physics</i> , 2009, 131, 054508.	1.2	29
26	Translational and internal energy distributions of methyl and hydroxyl radicals produced by 157nm photodissociation of amorphous solid methanol. <i>Journal of Chemical Physics</i> , 2009, 131, 224512.	1.2	14
27	Atmospheric Chemistry of BrO Radicals: Kinetics of the Reaction with C <sub>2</sub> H <sub>5</sub> O <sub>2</sub> Radicals at 233~333 K. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10231-10237.	1.1	8
28	Near-infrared Cavity Ring-down Spectroscopic Study of the Reaction of Methylperoxy Radical with Nitrogen Monoxide. <i>Chemistry Letters</i> , 2009, 38, 80-81.	0.7	3
29	Optical Properties and Chemical Compositions of Iodine-Containing Aerosols Produced from the Atmospheric Photolysis of Methylene Iodide in the Presence of Ozone. <i>Bulletin of the Chemical Society of Japan</i> , 2009, 82, 910-913.	2.0	5
30	Photodissociation dynamics of OCS and CS <sub>2</sub> adsorbed on water ice films at 193nm. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 195, 330-336.	2.0	4
31	Hydrogen peroxide formation following the vacuum ultraviolet photodissociation of water ice films at 90K. <i>Journal of Chemical Physics</i> , 2008, 129, 014709.	1.2	27
32	Direct Observation of OH Radicals Ejected from Water Ice Surface in the Photoirradiation of Nitrate Adsorbed on Ice at 100 K. <i>Journal of Physical Chemistry A</i> , 2008, 112, 9763-9766.	1.1	9
33	Release of hydrogen molecules from the photodissociation of amorphous solid water and polycrystalline ice at 157 and 193nm. <i>Journal of Chemical Physics</i> , 2008, 129, 044501.	1.2	29
34	Study of the Temperature Dependence of the Reaction of NO <sub>3</sub> with CH <sub>3</sub> I and the Estimation of Its Impact on Atmospheric Iodine Chemistry. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 938-946.	2.0	6
35	Reaction Mechanisms of IO Radical Formation from the Reaction of CH <sub>3</sub> I with Cl Atom in the Presence of O <sub>2</sub> . <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 1250-1257.	2.0	16
36	Measurements of Energy Partitioning in H <sub>2</sub> Formation by Photolysis of Amorphous Water Ice. <i>Astrophysical Journal</i> , 2008, 682, L69-L72.	1.6	28

#	ARTICLE	IF	CITATIONS
37	Vacuum ultraviolet photodissociation and surface morphology change of water ice films dosed with hydrogen chloride. <i>Journal of Chemical Physics</i> , 2007, 127, 154721.	1.2	7
38	Release of Oxygen Atoms and Nitric Oxide Molecules from the Ultraviolet Photodissociation of Nitrate Adsorbed on Water Ice Films at 100 K. <i>Journal of Physical Chemistry A</i> , 2007, 111, 8629-8634.	1.1	15
39	A Gas-Phase Kinetic Study of the Reaction between Bromine Monoxide and Methylperoxy Radicals at Atmospheric Temperatures. <i>Journal of Physical Chemistry A</i> , 2007, 111, 3342-3348.	1.1	16
40	Nitroxide-Mediated Radical Polymerization in Microemulsion. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2346-2353.	2.0	40
41	Atom Transfer Radical Polymerization of <i>iso</i> -Butyl Methacrylate in Microemulsion with Cationic and Nonionic Emulsifiers. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2354-2360.	2.0	34
42	A kinetic study of the gas-phase reactions of IO with NO, NO <sub>2</sub> , and Cl <sub>2</sub> . <i>International Journal of Chemical Kinetics</i> , 2007, 39, 688-693.	1.0	3
43	Formation of the iodine monoxide radical from gas-phase reactions of iodoalkyl radicals with molecular oxygen. <i>Chemical Physics Letters</i> , 2007, 445, 152-156.	1.2	13
44	Buffer-gas pressure broadening for the (0003)←(0000) band of N <sub>2</sub> O measured with continuous-wave cavity ring-down spectroscopy. <i>Chemical Physics</i> , 2007, 334, 196-203.	0.9	16
45	Study of chemical reactions with cavity ring-down spectroscopy. <i>The Review of Laser Engineering</i> , 2007, 35, 8-9.	0.0	0
46	Kinetic Study of IO Radical with RO <sub>2</sub> (R = CH <sub>3</sub> , C <sub>2</sub> H <sub>5</sub> , and CF <sub>3</sub> ) Using Cavity Ring-Down Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9861-9866.	1.1	31
47	Temperature and Pressure Dependence of the Rate Constants of the Reaction of NO <sub>3</sub> Radical with CH <sub>3</sub> SCH <sub>3</sub> . <i>Journal of Physical Chemistry A</i> , 2006, 110, 7401-7405.	1.1	7
48	Kinetic Study of the ClOO + NO Reaction Using Cavity Ring-Down Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2006, 110, 3546-3551.	1.1	17
49	Photodissociation of polycrystalline and amorphous water ice films at 157 and 193 nm. <i>Journal of Chemical Physics</i> , 2006, 125, 133406.	1.2	47
50	Direct observation and reactions of Cl <sub>3</sub> radical. <i>Journal of Chemical Physics</i> , 2006, 125, 133116.	1.2	1
51	Buffer-gas pressure broadening for the (3 001)←(0 0 0) band of CO <sub>2</sub> measured with continuous-wave cavity ring-down spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 364-368.	1.3	46
52	Detection of Trace Species with Cavity Ring-Down Spectroscopy. <i>The Review of Laser Engineering</i> , 2006, 34, 289-294.	0.0	8
53	Photodissociation dynamics of CH <sub>3</sub> CFCl <sub>2</sub> and CDCl <sub>3</sub> at 205–209 nm. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 176, 78-85.	2.0	5
54	Observation of Adducts in the Reaction of Cl Atoms with XCH <sub>2</sub> I (X = H, CH <sub>3</sub> , Cl, Br, I) Using Cavity Ring-Down Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1587-1593.	1.1	28

#	ARTICLE	IF	CITATIONS
55	Direct Observation of Adduct Formation of Alkyl and Aromatic Iodides with Cl Atoms Using Cavity Ring-Down Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2005, 109, 6066-6070.	1.1	15
56	Rate Constants of the Reaction of NO <sub>3</sub> with CH <sub>3</sub> I Measured with Use of Cavity Ring-Down Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2005, 109, 6527-6531.	1.1	12
57	Hydrogen atom formation from the photodissociation of water ice at 193 nm. <i>Journal of Chemical Physics</i> , 2004, 120, 5463-5468.	1.2	37
58	Formation of Iodine Monoxide Radical from the Reaction of CH <sub>2</sub> I with O <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , 2004, 108, 6347-6350.	1.1	35
59	Photodissociation of N <sub>2</sub> O <sub>4</sub> Adsorbed on Amorphous and Crystalline Water Ice Films. <i>Journal of Physical Chemistry A</i> , 2004, 108, 438-446.	1.1	7
60	Reactions of Cl Atoms with Dimethyl Sulfide: A Theoretical Calculation and an Experimental Study with Cavity Ring-Down Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2004, 108, 7785-7789.	1.1	17
61	Photodissociation of Water Dimer at 205 nm. <i>Journal of Physical Chemistry A</i> , 2004, 108, 8119-8124.	1.1	20
62	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
63	Temperature-dependent absorption cross sections of ozone in the Wulf-Chappuis band at 759-768 nm. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	7
64	Ultraviolet Photodissociation Dynamics of Cl <sub>2</sub> and CFCI <sub>3</sub> Adsorbed on Water Ice Surfaces. <i>Journal of Physical Chemistry A</i> , 2003, 107, 1472-1477.	1.1	10
65	Photolysis of Atmospheric Ozone in the Ultraviolet Region. <i>Chemical Reviews</i> , 2003, 103, 4767-4782.	23.0	153
66	Temperature and Pressure Dependence Study of the Reaction of IO Radicals with Dimethyl Sulfide by Cavity Ring-Down Laser Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2003, 107, 6381-6387.	1.1	42
67	Excited state dynamics of Cl <sub>2</sub> O in the near ultraviolet. <i>Journal of Chemical Physics</i> , 2002, 117, 2141-2150.	1.2	10
68	Dissociative ionization of ICl studied by ion imaging spectroscopy. <i>Journal of Chemical Physics</i> , 2002, 117, 1130-1138.	1.2	11
69	Photodissociation of Small Molecules in the Gas Phase. <i>Bulletin of the Chemical Society of Japan</i> , 2002, 75, 1885-1900.	2.0	3
70	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
71	Mechanism of the reaction of OH radicals with acetone and acetaldehyde at 251 and 296 K. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 2189-2193.	1.3	58
72	Photodissociation of Chlorine Molecules Adsorbed on Amorphous and Crystalline Water Ice Films. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3151-3159.	1.2	36

#	ARTICLE	IF	CITATIONS
73	Above-Threshold Effects in the Photodissociation and Photoionization of Iodobenzene. Journal of Physical Chemistry A, 2001, 105, 2270-2280.	1.1	35
74	Cavity Ring-Down Spectroscopic Study of the Reactions of Br Atoms and BrO Radicals with Dimethyl sulfide. Journal of Physical Chemistry A, 2001, 105, 11045-11050.	1.1	23
75	Control of Photodissociation by Alignment, Bleaching and Optical Phase. Journal of the Chinese Chemical Society, 2001, 48, 319-325.	0.8	1
76	Photodissociation of N <sub>2</sub> O <sub>4</sub> Multilayer Adsorbed on a Polycrystalline Au Substrate. Bulletin of the Chemical Society of Japan, 2001, 74, 689-697.	2.0	3
77	Two-Photon C <sub>12</sub> (n, 4s) $\rightarrow$ X <sup>1</sup> A <sub>1</sub> Absorption of Thioformaldehyde as Observed in (2+2) Resonance Enhanced Multiphoton Ionization Spectroscopy. Chemistry Letters, 2001, 30, 62-63.	0.7	6
78	Cavity ring-down spectroscopic study of the kinetics of the reactions of FCO radicals with O <sub>2</sub> and NO at 295 K. International Journal of Chemical Kinetics, 2001, 33, 130-135.	1.0	11
79	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
80	Above-Threshold Dissociative Ionization in the Intermediate Intensity Regime. Physical Review Letters, 2001, 86, 2245-2248.	2.9	11
81	Cavity ring-down study of BrO radicals: Kinetics of the Br + O <sub>3</sub> reaction and rate of relaxation of vibrationally excited BrO by collisions with N <sub>2</sub> and O <sub>2</sub> . International Journal of Chemical Kinetics, 2000, 32, 125-130.	1.0	28
82	Effect of molecular bending on the photodissociation of OCS. Journal of Chemical Physics, 2000, 112, 7095-7101.	1.2	44
83	Photofragment Imaging Studies of Aligned Molecules. ACS Symposium Series, 2000, , 87-102.	0.5	0
84	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
85	Photodissociation Cross Sections of N <sub>2</sub> O <sub>3</sub> Adsorbed on Au(111). Journal of Physical Chemistry B, 2000, 104, 4863-4866.	1.2	2
86	Cavity Ring-Down Spectroscopy and Relative Rate Study of Reactions of HCO Radicals with O <sub>2</sub> , NO, NO <sub>2</sub> , and Cl <sub>2</sub> at 295 K. Journal of Physical Chemistry A, 2000, 104, 7556-7564.	1.1	36
87	Adsorption States of NO <sub>2</sub> over Water-Ice Films Formed on Au(111). Langmuir, 2000, 16, 9533-9538.	1.6	36
88	State and energy characterisation of fluorine atoms in the A band photodissociation of F <sub>2</sub> . Chemical Physics Letters, 1999, 305, 319-326.	1.2	7
89	Adsorption States and Photochemistry of NO <sub>2</sub> Adsorbed on Au(111). Journal of Physical Chemistry B, 1999, 103, 5063-5069.	1.2	27
90	Quantum control of chemical reactions by laser light. The Review of Laser Engineering, 1999, 27, a4-a5.	0.0	0

#	ARTICLE	IF	CITATIONS
91	Quantum Control of Chemical Reactions by Laser Light.. The Review of Laser Engineering, 1999, 27, 399-403.	0.0	0
92	Quantum Control of Chemical Reactions by Laser Light. The Review of Laser Engineering, 1999, 27, 103-103,106.	0.0	0
93	Cavity ring-down spectroscopy of the $\tilde{X}^2\Sigma^+ / 2 \leftarrow \tilde{X}^2\Sigma^+ / 2$ transition of BrO. Chemical Physics Letters, 1998, 285, 346-351.	1.2	27
94	Rate constants for the deactivation of N(2D) by simple hydride and deuteride molecules. Chemical Physics Letters, 1998, 296, 203-207.	1.2	57
95	Translational energy and angular distributions of O( <i>i</i> ) and O( <i>j</i> ) fragments in the UV photodissociation of ozone. Chemical Physics, 1998, 231, 171-182.	0.9	29
96	Wavelength and temperature dependence of the absolute O(1D) production yield from the 305-329 nm photodissociation of ozone. Journal of Chemical Physics, 1998, 108, 7161-7172.	1.2	47
97	Reactions of N(2D) with methane and deuterated methanes. Journal of Chemical Physics, 1998, 109, 5844-5848.	1.2	55
98	The ultraviolet photodissociation of Cl <sub>2</sub> O at 235 nm and of HOCl at 235 and 266 nm. Journal of Chemical Physics, 1998, 109, 1315-1323.	1.2	45
99	Ion Fragment Imaging of the Photodissociation of Methyl Iodide Small Clusters at 266 nm. Bulletin of the Chemical Society of Japan, 1998, 71, 2539-2545.	2.0	17
100	Photofragment excitation spectrum for O(1D) from the photodissociation of jet-cooled ozone in the wavelength range 305-329 nm. Journal of Chemical Physics, 1997, 106, 6390-6397.	1.2	46
101	Photofragment Imaging of CH <sub>3</sub> Br from (CH <sub>3</sub> Br) <sub>2</sub> at 355 nm. Journal of Physical Chemistry A, 1997, 101, 1227-1230.	1.1	8
102	Reaction and Quenching of Cl(2P <sub>j</sub> ) Atoms in Collisions with Methane and Deuterated Methanes. Journal of Physical Chemistry A, 1997, 101, 1216-1221.	1.1	44
103	Ion Fragment Imaging of the Ion-Pair Photodissociation of CH <sub>3</sub> Cl, CH <sub>3</sub> Br, C <sub>2</sub> H <sub>5</sub> Cl, and C <sub>2</sub> H <sub>5</sub> Br at 118 nm. Journal of Physical Chemistry A, 1997, 101, 1222-1226.	1.1	39
104	Potential of site specific photochemical processing using synchrotron radiation. Nuclear Instruments & Methods in Physics Research B, 1997, 122, 364-367.	0.6	9
105	Photochemistry relating to atmospheric reactions in the stratosphere. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 106, 105-111.	2.0	1
106	Photolysis of CH <sub>3</sub> SH and H <sub>2</sub> S at 243.1 nm studied by photofragment ion imaging. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 5181.	1.7	20
107	Photofragmentation of ClNO in the A-Band: Velocity Distribution and Fine-Structure Branching Ratio of Cl(2P <sub>j</sub> ) Atoms. The Journal of Physical Chemistry, 1996, 100, 12321-12328.	2.9	30
108	Near-Threshold Photodissociation of C <sub>2</sub> H <sub>2</sub> , C <sub>2</sub> HD, and C <sub>2</sub> D <sub>2</sub> Studied by H(D) Atom Photofragment Translational Spectroscopy. Bulletin of the Chemical Society of Japan, 1996, 69, 71-76.	2.0	18



#	ARTICLE	IF	CITATIONS
109	The photodissociation of iodine monochloride at 235 nm. <i>Chemical Physics Letters</i> , 1996, 258, 159-163.	1.2	26
110	Phase control of absorption in large polyatomic molecules. <i>Journal of Chemical Physics</i> , 1996, 105, 2992-2997.	1.2	58
111	Observation of the spin-forbidden $O(1D)+O_2(X^3\Sigma_g^-)$ channel in the 317–327 nm photolysis of ozone. <i>Journal of Chemical Physics</i> , 1996, 105, 5290-5293.	1.2	50
112	Vibrational Distribution of ClO Radicals Produced in the Reaction $Cl + O_3 \rightarrow ClO + O_2$ . <i>The Journal of Physical Chemistry</i> , 1996, 100, 176-179.	2.9	20
113	Product Branching Ratios for O(3P) Atom and ClO Radical Formation in the Reactions of O(1D) with Chlorinated Compounds. <i>The Journal of Physical Chemistry</i> , 1996, 100, 10145-10149.	2.9	31
114	Photodissociation Processes of Ozone in the Huggins Band at 308–326 nm: A Direct Observation of O(1D <sub>2</sub> ) and O(3P <sub>j</sub> ) Products. <i>The Journal of Physical Chemistry</i> , 1996, 100, 4084-4089.	2.9	48
115	Ion Imaging of the Photodissociation of Chlorine-Containing Molecules. <i>The Journal of Physical Chemistry</i> , 1996, 100, 19853-19858.	2.9	32
116	Ion Imaging of the Photodissociation of OCS Near 217 and 230 nm. <i>The Journal of Physical Chemistry</i> , 1995, 99, 16307-16314.	2.9	114
117	Dynamics of the Reaction $S(^1D) + HD, H_2$ , and $D_2$ : Isotopic Branching Ratios and Translational Energy Release. <i>Laser Chemistry</i> , 1994, 14, 235-244.	0.5	28
118	Collisional relaxation of translational energy and fine structure levels of the O(3P <sub>j</sub> ) atom created in the photodissociation of SO <sub>2</sub> at 193 nm. <i>Journal of Chemical Physics</i> , 1994, 101, 5647-5651.	1.2	25
119	Velocity relaxation of hot O(1D) atoms by collisions with rare gases, N <sub>2</sub> , and O <sub>2</sub> . <i>Journal of Chemical Physics</i> , 1994, 101, 9610-9618.	1.2	53
120	Laser-induced fluorescence detection of ClO radicals at 167–180 nm. <i>Journal of Chemical Physics</i> , 1994, 101, 8262-8263.	1.2	15
121	Fine structure branching ratios and translational energies of O(3P <sub>j</sub> ) atoms produced from collision induced intersystem crossing of O(1D) atoms. <i>Journal of Chemical Physics</i> , 1994, 100, 315-324.	1.2	30
122	O(3P <sub>j</sub> ) atom formation from photodissociation of ozone in the visible and ultraviolet region. <i>Canadian Journal of Chemistry</i> , 1994, 72, 637-642.	0.6	21
123	X-ray and ultraviolet photoelectron spectroscopic study of 58.4 and 193 nm photodissociation of organometallic compounds adsorbed on substrates. <i>Applied Surface Science</i> , 1994, 79-80, 439-443.	3.1	1
124	Dynamics of the Inversion Reaction. <i>Israel Journal of Chemistry</i> , 1994, 34, 19-24.	1.0	4
125	Photodissociation of ICl at 235–248 nm. <i>Journal of Chemical Physics</i> , 1993, 99, 3461-3467.	1.2	29
126	Photodissociation of Trimethylindium and Trimethylgallium on GaAs at 193 nm Studied by Angle-Resolved Photoelectron Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 3099-3105.	0.8	4



#	ARTICLE	IF	CITATIONS
127	Dynamics of the reactions of O(1D) with HCl, DCl, and Cl <sub>2</sub> . Journal of Chemical Physics, 1993, 98, 8330-8336.	1.2	65
128	Photodissociation of dimethylaluminum hydride on Si(100) at 193 nm studied by x-ray photoelectron spectroscopy. Journal of Applied Physics, 1993, 73, 3549-3554.	1.1	11
129	Photoinduced Deposition of Aluminum Thin Film on Silicon Nitride and Oxide. Japanese Journal of Applied Physics, 1992, 31, 1979-1981.	0.8	6
130	Dynamics of the reaction oxygen atom (1D) + hydrogen deuteride, hydrogen, and deuterium: isotopic branching ratios and translational energy release. The Journal of Physical Chemistry, 1992, 96, 10622-10626.	2.9	46
131	Fine structure branching ratios and Doppler profiles of Cl(2P <sub>j</sub> ) photofragments from photodissociation of the chlorine molecule near and in the ultraviolet region. Journal of Chemical Physics, 1992, 97, 1065-1071.	1.2	92
132	Mechanism of the ultraviolet photodissociation of chloroethylenes determined from the Doppler profiles, spatial anisotropy, and power dependence of the photofragments. Journal of Chemical Physics, 1992, 97, 4815-4826.	1.2	64
133	Photodissociation of hydrogen chloride at 157 and 193 nm: Angular distributions of hydrogen atoms and fine structure branching ratios of chlorine atoms in the 2P <sub>j</sub> levels. Journal of Chemical Physics, 1992, 97, 8210-8215.	1.2	50
134	Photodissociation of Trimethylindium and Trimethylgallium on GaAs(100) at 193nm Studied by Angle-Resolved XPS. Materials Research Society Symposia Proceedings, 1992, 280, 193.	0.1	0
135	Photodissociation of zinc diiodide in the gas phase. Journal of Photochemistry and Photobiology A: Chemistry, 1992, 65, 345-353.	2.0	1
136	Photodissociation of trimethylindium on Si(111) at 193 nm. Thin Solid Films, 1992, 218, 58-61.	0.8	6
137	Two-photon dissociation of SO <sub>2</sub> in the ultraviolet region. Chemical Physics, 1992, 165, 173-182.	0.9	12
138	Structural study of self-assembled monolayers of ferrocenylalkanethiols on gold by angle-resolved X-ray photoelectron spectroscopy. Applied Organometallic Chemistry, 1992, 6, 533-536.	1.7	9
139	Fine structure branching ratios and Doppler spectra of O(3P <sub>j</sub> ) produced by the reaction of H+O <sub>2</sub> †OH+O. Journal of Chemical Physics, 1991, 95, 4972-4976.	1.2	23
140	Photoinduced Selective Deposition of Aluminium Thin Film Using Dimethylaluminum Hydride. Materials Research Society Symposia Proceedings, 1991, 236, 85.	0.1	5
141	Laser photodissociation of organometallic compounds on a cryosubstrate. Applied Organometallic Chemistry, 1991, 5, 247-255.	1.7	7
142	Doppler spectroscopy of hydrogen atoms from the photodissociation of saturated hydrocarbons and methyl halides at 157 nm. Journal of Chemical Physics, 1991, 95, 5065-5071.	1.2	31
143	Doppler profiles and fine structure branching ratios of O(3P <sub>j</sub> ) from photodissociation of carbon dioxide at 157 nm. Journal of Chemical Physics, 1991, 95, 7311-7316.	1.2	33
144	Fine structure branching ratios and Doppler spectroscopy of chlorine atoms from the photodissociation of alkyl chlorides and chlorofluoromethanes at 157 and 193 nm. Journal of Chemical Physics, 1991, 94, 2669-2674.	1.2	59

#	ARTICLE	IF	CITATIONS
145	The inversion mechanism for the reaction $H+CD_4 \rightarrow CD_3H+D$ . Journal of Chemical Physics, 1991, 95, 1033-1036.	1.2	23
146	Photodissociation of oxygen molecules at 226 nm in the Herzberg I system. Journal of Chemical Physics, 1991, 95, 3394-3398.	1.2	22
147	The Doppler spectra of O(1D) from the photodissociation of O <sub>2</sub> , NO <sub>2</sub> , and N <sub>2</sub> O. Journal of Chemical Physics, 1991, 95, 6218-6223.	1.2	44
148	Pyrolytic and photolytic dissociation of trimethylgallium on Si and Au substrates. Journal of Applied Physics, 1991, 70, 462-468.	1.1	14
149	Photodissociation of hydrogen chloride and hydrogen bromide. Journal of Chemical Physics, 1990, 93, 7981-7985.	1.2	41
150	Vacuum ultraviolet photochemistry of CHFCl <sub>2</sub> and CHFBr <sub>2</sub> : Absorption spectra and CHF( $\dot{A}$ ) radical formation. Journal of Chemical Physics, 1990, 92, 4277-4282.	1.2	13
151	Doppler spectroscopy of chlorine atoms generated from photodissociation of hydrogen chloride and methyl chloride at 157 and 193 nm. Journal of Chemical Physics, 1990, 92, 1696-1701.	1.2	37
152	Fine structure branching ratios of the O(3P <sub>j</sub> ) atomic fragments from photodissociation of oxygen molecules at 157 and 193 nm. Journal of Chemical Physics, 1990, 93, 2481-2486.	1.2	28
153	Formation of O(3P <sub>j</sub> ) photofragments from the Hartley band photodissociation of ozone at 226 nm. Journal of Chemical Physics, 1990, 93, 3289-3294.	1.2	60
154	Fluorescence lifetimes of SD( $\dot{A}$ ) radicals and rotational distribution of SD( $\dot{X}$ ) photofragments generated in photodissociation of D <sub>2</sub> S and C <sub>2</sub> H <sub>5</sub> SD at 193 nm. Journal of Chemical Physics, 1989, 91, 6758-6764.	1.2	21
155	Laser photodissociation of chlorine and methyl chloride on low-temperature silicon substrates. Journal of Applied Physics, 1989, 65, 792-798.	1.1	25
156	Photodissociation of chlorine molecule in the UV region. Chemical Physics Letters, 1989, 155, 486-490.	1.2	29
157	He(I) Photoelectron spectra and VUV absorption cross sections of Ga(CH <sub>3</sub> ) <sub>3</sub> and In(CH <sub>3</sub> ) <sub>3</sub> . Chemical Physics Letters, 1989, 160, 152-156.	1.2	19
158	Photodissociation of chlorine molecules under collision conditions: laser-induced luminescence ascribable to Cl <sub>3</sub> species. The Journal of Physical Chemistry, 1989, 93, 7571-7575.	2.9	12
159	Raman spectra of some indo-, thia- and seleno-cyanine dyes. Journal of Raman Spectroscopy, 1988, 19, 129-132.	1.2	32
160	Angular distributions of sulfur atoms in the 3p 3P and 3p 1D states from two-photon dissociation of carbon disulfide. Chemical Physics Letters, 1988, 146, 101-105.	1.2	14
161	Resonance CARS and resonance raman spectra of a cyanine dye: Detection of bands ascribable to a photoisomer. Chemical Physics Letters, 1988, 143, 240-244.	1.2	3
162	Spatially and time-resolved detection of gallium atoms formed in the laser photochemical vapor deposition process of trimethylgallium by laser-induced fluorescence: Decomposition in the adsorbed state. Journal of Applied Physics, 1988, 64, 371-374.	1.1	28

#	ARTICLE	IF	CITATIONS
163	Ionization of Tetramethyltin in a Molecular Beam Injected Near a Metal Substrate in Vacuum with Laser Irradiation on the Substrate. Japanese Journal of Applied Physics, 1988, 27, 962-966.	0.8	7
164	Photodissociation of Chlorine on a Cooled Silicon Wafer. Materials Research Society Symposia Proceedings, 1988, 129, 305.	0.1	0
165	Ultraviolet Laser Ablation of a Silicon Wafer. Materials Research Society Symposia Proceedings, 1988, 129, 371.	0.1	1
166	Mechanistic Study of Laser Chemical Vapor Deposition of Trimethylindium. Materials Research Society Symposia Proceedings, 1988, 129, 69.	0.1	1
167	Laser Ablation-Molecular Beam Method: A Versatile Diagnosis for the Reactions of Metal Ions with Molecules in the Gas Phase. Dimanganese Decacarbonyl. Chemistry Letters, 1988, 17, 1865-1868.	0.7	11
168	Angular distributions of CH <sub>3</sub> photofragments from CH <sub>3</sub> <sup>+</sup> prepared by multiphoton ionization. Journal of Chemical Physics, 1987, 87, 5739-5745.	1.2	20
169	Photodissociation of methyl nitrite: Angular distributions in one- and two-photon dissociations. Journal of Chemical Physics, 1987, 87, 5722-5727.	1.2	17
170	Cyanine Dye-Cyclodextrin Systems. Enhanced Dimerization of the Dye. Chemistry Letters, 1987, 16, 1633-1636.	0.7	23
171	Photodissociation of Tetramethyltin at 193 nm. Laser Chemistry, 1987, 7, 109-117.	0.5	9
172	Photodissociation of Cadmium Diiodide. Laser Chemistry, 1987, 7, 95-107.	0.5	3
173	Photodissociation of molecular beams of SO <sub>2</sub> at 193 nm. Chemical Physics Letters, 1987, 139, 585-588.	1.2	44
174	Fluorescence lifetimes of the single vibrational levels of H <sub>2</sub> CS <sub>1</sub> , D <sub>2</sub> CS, and Cl <sub>2</sub> CS in the $\tilde{A}^1A_2$ state. Chemical Physics, 1985, 94, 179-185.	0.9	17
175	Multiphoton ionization of triethylamine: Determination of the vibrationless S <sub>2</sub> level by laser photoelectron spectroscopy. Chemical Physics Letters, 1985, 114, 473-476.	1.2	8
176	Application of Lasers to Gas Phase Photochemistry. The Review of Laser Engineering, 1985, 13, 663-673.	0.0	0
177	A spectroscopic study of the F(0 <sup>+</sup> ) ion-pair state of Br <sub>2</sub> by the double resonance method. Journal of Chemical Physics, 1984, 80, 5909-5915.	1.2	19
178	Photodissociation of Cl <sub>2</sub> SO at 248 and 193 nm in a molecular beam. Chemical Physics, 1984, 91, 285-291.	0.9	30
179	Photodissociation of molecular beams of halogenated hydrocarbons at 193 nm. Chemical Physics, 1984, 88, 135-142.	0.9	75
180	Effect of rotational relaxation on the intensity and polarization of fluorescence emission caused by sequential two-photo excitation. Chemical Physics, 1984, 83, 451-460.	0.9	6

#	ARTICLE	IF	CITATIONS
181	Short-wavelength fluorescence caused by sequential two-photon excitation of some cyanine dyes: Effect of solvent viscosity on the quantum yields. <i>Chemical Physics</i> , 1984, 83, 461-469.	0.9	19
182	FLUORESCENCE DECAY OF THE ACRIDINE ORANGE-SODIUM DODECYL SULFATE SYSTEM: FORMATION OF DYE-RICH INDUCED MICELLES IN THE PREMICELLAR REGION*. <i>Photochemistry and Photobiology</i> , 1983, 37, 131-139.	1.3	30
183	Spectra and emission lifetimes of H <sub>2</sub> CS( $\lambda$ 1A <sub>2</sub> ). <i>Chemical Physics</i> , 1983, 74, 83-88.	0.9	20
184	Photodissociation of molecular beams of N <sub>2</sub> O <sub>4</sub> . <i>Chemical Physics</i> , 1983, 78, 65-74.	0.9	32
185	Fluorescence lifetimes of single vibrational levels in HSO ( $\lambda$ 2A $\epsilon^2$ ). <i>Journal of Chemical Physics</i> , 1983, 78, 7146-7152.	1.2	19
186	Energy transfer between rhodamine 6G and pinacyanol enhanced with sodium dodecyl sulfate in the premicellar region. Formation of dye-rich induced micelles. <i>The Journal of Physical Chemistry</i> , 1983, 87, 3759-3769.	2.9	36
187	Interaction of Cationic Dye and Anionic Detergent above and below the Critical Micelle Concentration as Revealed by Fluorescence Characteristics. <i>Bulletin of the Chemical Society of Japan</i> , 1983, 56, 3588-3594.	2.0	43
188	Photochemical Studies by Pulse Lasers. <i>The Review of Laser Engineering</i> , 1983, 11, 179-189.	0.0	0
189	Two-photon Excitation Spectra of 1-Azabicyclo[2.2.2]octane and Trimethylamine. <i>Bulletin of the Chemical Society of Japan</i> , 1982, 55, 3097-3100.	2.0	9
190	DYNAMIC STUDY ON THE QUENCHING OF THE EMISSION OF TRIS(BIPYRIDINE)RUTHENIUM(II) BYN,N-DIMETHYL-4,4-BIPYRIDINIUM (DMBP) WITH SODIUM DODECYLSULFATE IN THE PREMICELLAR REGION ENHANCED ELECTRON TRANSFER IN DMBP-INDUCED PREMICELLES. <i>Chemistry Letters</i> , 1982, 11, 1139-1142.	1.7	2
191	Highly Aggregated State of the Dye with the Detergent in the Premicellar Region as Revealed by Resonance Raman Spectra. <i>Bulletin of the Chemical Society of Japan</i> , 1982, 55, 717-720.	2.0	19
192	Photodissociation of molecular beams of SO <sub>2</sub> at 193 nm. <i>Chemical Physics</i> , 1982, 73, 377-382.	0.9	41
193	Fluorescence and energy transfer of dye-detergent systems in the premicellar region. <i>Journal of Photochemistry and Photobiology</i> , 1981, 17, 243-248.	0.6	24
194	FLUORESCENCE DECAY OF 3,3-DIETHYLTHIACARBOCYANINE IODIDE-SODIUM LAURYL SULFATE SYSTEM: DEAGGREGATION OF THE DYE AND DYE-DETERGENT AGGREGATE FORMATION ABOVE AND BELOW THE CRITICAL MICELLE CONCENTRATION. <i>Chemistry Letters</i> , 1980, 9, 1529-1532.	0.7	9
195			

#	ARTICLE	IF	CITATIONS
199	Collisional deactivation of the c $1\dot{\Sigma}$ and A $3\dot{\Sigma}$ states of imino radicals. Journal of Chemical Physics, 1973, 59, 648-653.	1.2	29
200	Electronic states of imino radicals formed from the vacuum-ultraviolet photolysis of ethylenimine. Journal of Chemical Physics, 1973, 59, 6328-6333.	1.2	4