Masahiro Kawasaki

List of Publications by Year in Descending Order

200 papers	4,158 citations	35 h-index	48 g-index
206 ext. papers	4,298 ext. citations	3.6 avg, IF	4.72 L-index

#	Paper	IF	Citations
200	Semiconducting properties of p- and n-type organic nanofiber/poly(methyl methacrylate) composite films for film rectifier. *Synthetic Metals*, **2016**, 213, 1-6	3.6	6
199	UV-Light-Induced Water Condensation in Air and the Role of Hydrogen Peroxide. *Bulletin of the Chemical Society of Japan*, **2014**, 87, 593-602	5.1	11
198	Photochemical reaction processes during vacuum-ultraviolet irradiation of water ice. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews*, **2013**, 16, 46-61	16.4	24
197	Thin, transparent conductive films fabricated from conducting polymer nanofibers. *Polymer Journal* , **2013**, 45, 819-823	2.7	15
196	Iodine emission in the presence of humic substances at the water's surface. *Journal of Physical Chemistry A*, **2012**, 116, 5779-83	2.8	15
195	Microscopic conduction pathways of poly(3-hexylthiophene) nanofibers embedded in polymer film. *Polymer Journal*, **2012**, 44, 371-374	2.7	8
194	Ion Formation Processes in Laser Ablation of Multicomponent Inorganic Particles Relevant to Single Particle Laser Analysis of Atmospheric Aerosols. *Chemistry Letters*, **2011**, 40, 446-448	1.7	1
193	A theoretical and experimental study on translational and internal energies of H2O and OH from the 157 nm irradiation of amorphous solid water at 90 K. *Physical Chemistry Chemical Physics*, **2011**, 13, 15810-20	3.6	16
192	Ab initio theoretical calculations of the electronic excitation energies of small water clusters. *Physical Chemistry Chemical Physics*, **2011**, 13, 20745-9	3.6	7
191	Surface abundance change in vacuum ultraviolet photodissociation of CO2 and H2O mixture ices. *Physical Chemistry Chemical Physics*, **2011**, 13, 15785-91	3.6	1
190	Weak acids enhance halogen activation on atmospheric water's surfaces. *Journal of Physical Chemistry A*, **2011**, 115, 4935-40	2.8	35
189	Translational and rotational energy measurements of desorbed water molecules in their vibrational ground state following 157 nm irradiation of amorphous solid water. *Nuclear Instruments & Methods in Physics Research B*, **2011**, 269, 1011-1015	1.2	2
188	Characterization of Aerosol Particles in the Tokyo Metropolitan Area using Two Different Particle Mass Spectrometers. *Aerosol Science and Technology*, **2011**, 45, 315-326	3.4	10
187	A desorption mechanism of water following vacuum-ultraviolet irradiation on amorphous solid water at 90 K. *Journal of Chemical Physics*, **2010**, 132, 164508	3.9	36
186	Role of OH radicals in the formation of oxygen molecules following vacuum ultraviolet photodissociation of amorphous solid water. *Journal of Chemical Physics*, **2010**, 133, 104504	3.9	9
185	Heterogeneous reaction of gaseous ozone with aqueous iodide in the presence of aqueous organic species. *Journal of Physical Chemistry A*, **2010**, 114, 6016-21	2.8	50
184	Effective Interaction Energies for Weakly Bound Dimers at Room Temperature: (H2O)2, (N2O)2, (CO2)2, and (HCHO)2. *Chemistry Letters*, **2010**, 39, 296-297	1.7	1

183	Measurements of aerosol optical properties in central Tokyo during summertime using cavity ring-down spectroscopy: Comparison with conventional techniques. *Atmospheric Environment*, **2010** , 44, 3034-3042	5.3	29
182	Absorption spectrum of nitrous acid for the 1+2 band studied with continuous-wave cavity ring-down spectroscopy and theoretical calculations. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2010**, 111, 45-51	2.1	5
181	Translational and internal states of hydrogen molecules produced from the ultraviolet photodissociation of amorphous solid methanol. *Journal of Chemical Physics*, **2009**, 130, 164505	3.9	9
180	Formation mechanisms of oxygen atoms in the O((1)D(2)) state from the 157 nm photoirradiation of amorphous water ice at 90 K. *Journal of Chemical Physics*, **2009**, 131, 114510	3.9	17
179	Direct emission of I2 molecule and IO radical from the heterogeneous reactions of gaseous ozone with aqueous potassium iodide solution. *Journal of Physical Chemistry A*, **2009**, 113, 7707-13	2.8	71
178	TRANSLATIONAL AND ROTATIONAL ENERGY MEASUREMENTS OF PHOTODESORBED WATER MOLECULES IN THEIR VIBRATIONAL GROUND STATE FROM AMORPHOUS SOLID WATER. *Astrophysical Journal*, **2009**, 699, L80-L83	4.7	32
177	Formation mechanisms of oxygen atoms in the O((3)P(J)) state from the 157 nm photoirradiation of amorphous water ice at 90 K. *Journal of Chemical Physics*, **2009**, 131, 114511	3.9	17
176	Desorption of hydroxyl radicals in the vacuum ultraviolet photolysis of amorphous solid water at 90 K. *Journal of Chemical Physics*, **2009**, 131, 054508	3.9	26
175	Translational and internal energy distributions of methyl and hydroxyl radicals produced by 157 nm photodissociation of amorphous solid methanol. *Journal of Chemical Physics*, **2009**, 131, 224512	3.9	13
174	Atmospheric chemistry of BrO radicals: kinetics of the reaction with C2H5O2 radicals at 233-333 K. *Journal of Physical Chemistry A*, **2009**, 113, 10231-7	2.8	8
173	Near-infrared Cavity Ring-down Spectroscopic Study of the Reaction of Methylperoxy Radical with Nitrogen Monoxide. *Chemistry Letters*, **2009**, 38, 80-81	1.7	3
172	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	5.1	5
171	Hydrogen peroxide formation following the vacuum ultraviolet photodissociation of water ice films at 90 K. *Journal of Chemical Physics*, **2008**, 129, 014709	3.9	24
170	Direct observation of OH radicals ejected from water ice surface in the photoirradiation of nitrate adsorbed on ice at 100 K. *Journal of Physical Chemistry A*, **2008**, 112, 9763-6	2.8	9
169	Release of hydrogen molecules from the photodissociation of amorphous solid water and polycrystalline ice at 157 and 193 nm. *Journal of Chemical Physics*, **2008**, 129, 044501	3.9	29
168	Study of the Temperature Dependence of the Reaction of NO3with CH3I and the Estimation of Its Impact on Atmospheric Iodine Chemistry. *Bulletin of the Chemical Society of Japan*, **2008**, 81, 938-946	5.1	6
167	Reaction Mechanisms of IO Radical Formation from the Reaction of CH3I with Cl Atom in the Presence of O2. *Bulletin of the Chemical Society of Japan*, **2008**, 81, 1250-1257	5.1	16
166	Measurements of Energy Partitioning in H 2 Formation by Photolysis of Amorphous Water Ice. *Astrophysical Journal*, **2008**, 682, L69-L72	4.7	27

165	Photodissociation dynamics of OCS and CS2 adsorbed on water ice films at 193nm. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 195, 330-336	4.7	3
164	Release of oxygen atoms and nitric oxide molecules from the ultraviolet photodissociation of nitrate adsorbed on water ice films at 100 K. *Journal of Physical Chemistry A*, **2007**, 111, 8629-34	2.8	15
163	A gas-phase kinetic study of the reaction between bromine monoxide and methylperoxy radicals at atmospheric temperatures. *Journal of Physical Chemistry A*, **2007**, 111, 3342-8	2.8	13
162	Nitroxide-Mediated Radical Polymerization in Microemulsion. *Macromolecular Rapid Communications*, **2007**, 28, 2346-2353	4.8	40
161	Atom Transfer Radical Polymerization of iso-Butyl Methacrylate in Microemulsion with Cationic and Non-Ionic Emulsifiers. *Macromolecular Rapid Communications*, **2007**, 28, 2354-2360	4.8	31
160	A kinetic study of the gas-phase reactions of OIO with NO, NO2, and Cl2. *International Journal of Chemical Kinetics*, **2007**, 39, 688-693	1.4	3
159	Formation of the iodine monoxide radical from gas-phase reactions of iodoalkyl radicals with molecular oxygen. *Chemical Physics Letters*, **2007**, 445, 152-156	2.5	13
158	Buffer-gas pressure broadening for the (0003)<-(0000) band of N2O measured with continuous-wave cavity ring-down spectroscopy. *Chemical Physics*, **2007**, 334, 196-203	2.3	14
157	Vacuum ultraviolet photodissociation and surface morphology change of water ice films dosed with hydrogen chloride. *Journal of Chemical Physics*, **2007**, 127, 154721	3.9	7
156	Study of chemical reactions with cavity ring-down spectroscopy. *The Review of Laser Engineering*, **2007**, 35, 8-9	0	
155	Direct observation and reactions of Cl3 radical. *Journal of Chemical Physics*, **2006**, 125, 133116	3.9	1
154	Buffer-gas pressure broadening for the (3 0(0) 1)III . *Physical Chemistry Chemical Physics*, **2006**, 8, 364-8	3.6	41
153	Kinetic study of IO radical with RO2 (R = CH(3), C2H5, and CF3) using cavity ring-down spectroscopy. *Journal of Physical Chemistry A*, **2006**, 110, 9861-6	2.8	29
152	Temperature and pressure dependence of the rate constants of the reaction of NO3 radical with CH3SCH3. *Journal of Physical Chemistry A*, **2006**, 110, 7401-5	2.8	6
151	Kinetic study of the ClOO + NO reaction using cavity ring-down spectroscopy. *Journal of Physical Chemistry A*, **2006**, 110, 3546-51	2.8	16
150	Photodissociation of polycrystalline and amorphous water ice films at 157 and 193 nm. *Journal of Chemical Physics*, **2006**, 125, 133406	3.9	46
149	Detection of Trace Species with Cavity Ring-Down Spectroscopy. *The Review of Laser Engineering*, **2006**, 34, 289-294	0	8
148	Observation of adducts in the reaction of Cl atoms with XCH2I (X = H, CH3, Cl, Br, I) using cavity ring-down spectroscopy. *Journal of Physical Chemistry A*, **2005**, 109, 1587-93	2.8	28

147	Direct observation of adduct formation of alkyl and aromatic iodides with cl atoms using cavity ring-down spectroscopy. *Journal of Physical Chemistry A*, **2005**, 109, 6066-70	2.8	15
146	Rate constants of the reaction of NO3 with CH3I measured with use of cavity ring-down spectroscopy. *Journal of Physical Chemistry A*, **2005**, 109, 6527-31	2.8	11
145	Photodissociation dynamics of CH3CFCl2 and CDCl3 at 205209nm. *Journal of Photochemistry and Photobiology A: Chemistry*, **2005**, 176, 78-85	4.7	5
144	Hydrogen atom formation from the photodissociation of water ice at 193 nm. *Journal of Chemical Physics*, **2004**, 120, 5463-8	3.9	34
143	Formation of Iodine Monoxide Radical from the Reaction of CH2I with O2. *Journal of Physical Chemistry A*, **2004**, 108, 6347-6350	2.8	34
142	Photodissociation of N2O4 Adsorbed on Amorphous and Crystalline Water Ice Films. *Journal of Physical Chemistry A*, **2004**, 108, 438-446	2.8	7
141	Reactions of Cl Atoms with Dimethyl Sulfide: A Theoretical Calculation and an Experimental Study with Cavity Ring-Down Spectroscopy *Journal of Physical Chemistry A*, **2004**, 108, 7785-7789	2.8	14
140	Photodissociation of Water Dimer at 205 nm *Journal of Physical Chemistry A*, **2004**, 108, 8119-8124	2.8	19
139	Equilibrium Constants of the Reaction of Cl with O2 in the Formation of ClOO *Journal of Physical Chemistry A*, **2004**, 108, 8096-8099	2.8	20
138	Temperature-dependent absorption cross sections of ozone in the Wulf-Chappuis band at 759768 nm. *Journal of Geophysical Research*, **2004**, 109,		5
137	Ultraviolet Photodissociation Dynamics of Cl2 and CFCl3 Adsorbed on Water Ice Surfaces. *Journal of Physical Chemistry A*, **2003**, 107, 1472-1477	2.8	10
136	Photolysis of atmospheric ozone in the ultraviolet region. *Chemical Reviews*, **2003**, 103, 4767-82	68.1	126
135	Temperature and Pressure Dependence Study of the Reaction of IO Radicals with Dimethyl Sulfide by Cavity Ring-Down Laser Spectroscopy. *Journal of Physical Chemistry A*, **2003**, 107, 6381-6387	2.8	41
134	Excited state dynamics of Cl2O in the near ultraviolet. *Journal of Chemical Physics*, **2002**, 117, 2141-2150	3.9	8
133	Dissociative ionization of ICl studied by ion imaging spectroscopy. *Journal of Chemical Physics*, **2002** , 117, 1130-1138	3.9	11
132	Photodissociation of Small Molecules in the Gas Phase. *Bulletin of the Chemical Society of Japan*, **2002**, 75, 1885-1900	5.1	2
131	Isotope 18O/16O ratio measurements of water vapor by use of the 950-nm wavelength region with cavity ring-down and photoacoustic spectroscopic techniques. *Applied Optics*, **2002**, 41, 2349-54	1.7	2
130	Mechanism of the reaction of OH radicals with acetone and acetaldehyde at 251 and 296 K. *Physical Chemistry Chemical Physics*, **2002**, 4, 2189-2193	3.6	55

129	Photodissociation of Chlorine Molecules Adsorbed on Amorphous and Crystalline Water Ice Films. *Journal of Physical Chemistry B*, **2002**, 106, 3151-3159	3.4	35
128	Photodissociation of N2O4Multilayer Adsorbed on a Polycrystalline Au Substrate. *Bulletin of the Chemical Society of Japan*, **2001**, 74, 689-697	5.1	3
127	Two-Photon C12(n, 4s) <- X1A1Absorption of Thioformaldehyde as Observed in (2+2) Resonance Enhanced Multiphoton Ionization Spectroscopy. *Chemistry Letters*, **2001**, 30, 62-63	1.7	5
126	Cavity ring-down spectroscopic study of the kinetics of the reactions of FCO radicals with O2 and NO at 295 K. *International Journal of Chemical Kinetics*, **2001**, 33, 130-135	1.4	10
125	Controlling the branching ratio of the photodissociation of aligned Cl2 at 404 nm. *Chemical Physics Letters*, **2001**, 340, 83-88	2.5	6
124	Above-threshold dissociative ionization in the intermediate intensity regime. *Physical Review Letters*, **2001**, 86, 2245-8	7.4	11
123	Above-Threshold Effects in the Photodissociation and Photoionization of Iodobenzene *Journal of Physical Chemistry A*, **2001**, 105, 2270-2280	2.8	32
122	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	2.8	19
121	Control of Photodissociation by Alignment, Bleaching and Optical Phase. *Journal of the Chinese Chemical Society*, **2001**, 48, 319-325	1.5	1
120	Cavity ring-down study of BrO radicals: Kinetics of the Br + O3 reaction and rate of relaxation of vibrationally excited BrO by collisions with N2 and O2. *International Journal of Chemical Kinetics*, **2000**, 32, 125-130	1.4	27
119	Effect of molecular bending on the photodissociation of OCS. *Journal of Chemical Physics*, **2000**, 112, 7095-7101	3.9	38
118	Photofragment Imaging Studies of Aligned Molecules. *ACS Symposium Series*, **2000**, 87-102	0.4	
117	Control of photofragment velocity anisotropy by optical alignment of CH3I. *Journal of Chemical Physics*, **2000**, 112, 2164-2167	3.9	26
116	Photodissociation Cross Sections of N2O3 Adsorbed on Au(111). *Journal of Physical Chemistry B*, **2000**, 104, 4863-4866	3.4	2
115	Cavity Ring-Down Spectroscopy and Relative Rate Study of Reactions of HCO Radicals with O2, NO, NO2, and Cl2 at 295 K. *Journal of Physical Chemistry A*, **2000**, 104, 7556-7564	2.8	34
114	Adsorption States of NO2 over Water Ice Films Formed on Au(111). *Langmuir*, **2000**, 16, 9533-9538	4	35
113	State and energy characterisation of fluorine atoms in the A band photodissociation of F2. *Chemical Physics Letters*, **1999**, 305, 319-326	2.5	7
112	Adsorption States and Photochemistry of NO2 Adsorbed on Au(111). *Journal of Physical Chemistry B*, **1999**, 103, 5063-5069	3.4	27

111	Quantum control of chemical reactions by laser light. *The Review of Laser Engineering*, **1999**, 27, a4-a5	0	
110	Quantum Control of Chemical Reactions by Laser Light.. *The Review of Laser Engineering*, **1999**, 27, 399-403	0	
109	??????. *The Review of Laser Engineering*, **1999**, 27, 103-103,106	0	
108	Cavity ring-down spectroscopy of the A 2□B/2□X 2□B/2 transition of BrO. *Chemical Physics Letters*, **1998**, 285, 346-351	2.5	25
107	Rate constants for the deactivation of N(22D) by simple hydride and deuteride molecules. *Chemical Physics Letters*, **1998**, 296, 203-207	2.5	50
106	Translational energy and angular distributions of O(1D) and O(3Pj) fragments in the UV photodissociation of ozone. *Chemical Physics*, **1998**, 231, 171-182	2.3	24
105	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	3.9	41
104	Reactions of N(2 2D) with methane and deuterated methanes. *Journal of Chemical Physics*, **1998**, 109, 5844-5848	3.9	52
103	The ultraviolet photodissociation of Cl2O at 235 nm and of HOCl at 235 and 266 nm. *Journal of Chemical Physics*, **1998**, 109, 1315-1323	3.9	43
102	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	5.1	16
101	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	3.9	42
100	Photofragment Imaging of CH3Br+ from (CH3Br)2+ at 355 nm. *Journal of Physical Chemistry A*, **1997** , 101, 1227-1230	2.8	8
99	Reaction and Quenching of Cl(2Pj) Atoms in Collisions with Methane and Deuterated Methanes. *Journal of Physical Chemistry A*, **1997**, 101, 1216-1221	2.8	44
98	Ion Fragment Imaging of the Ion-Pair Photodissociation of CH3Cl, CH3Br, C2H5Cl, and C2H5Br at 118 nm. *Journal of Physical Chemistry A*, **1997**, 101, 1222-1226	2.8	35
97	Potential of site specific photochemical processing using synchrotron radiation. *Nuclear Instruments & Methods in Physics Research B*, **1997**, 122, 364-367	1.2	8
96	Photochemistry relating to atmospheric reactions in the stratosphere. *Journal of Photochemistry and Photobiology A: Chemistry*, **1997**, 106, 105-111	4.7	1
95	Vibrational Distribution of ClO Radicals Produced in the Reaction Cl + O3 -kClO + O2. *The Journal of Physical Chemistry*, **1996**, 100, 176-179		19
94	Product Branching Ratios for O(3P) Atom and ClO Radical Formation in the Reactions of O(1D) with Chlorinated Compounds. *The Journal of Physical Chemistry*, **1996**, 100, 10145-10149		28

93	Photodissociation Processes of Ozone in the Huggins Band at 308–326 nm: Direct Observation of O(1D2) and O(3Pj) Products. *The Journal of Physical Chemistry*, **1996**, 100, 4084-4089		43
92	Ion Imaging of the Photodissociation of Chlorine-Containing Molecules. *The Journal of Physical Chemistry*, **1996**, 100, 19853-19858		27
91	Photolysis of CH3SH and H2S at 243.1 nm studied by photofragment ion imaging. *Journal of the Chemical Society, Faraday Transactions*, **1996**, 92, 5181		20
90	Photofragmentation of ClNO in the A-Band: Velocity Distribution and Fine-Structure Branching Ratio of Cl(2Pj) Atoms. *The Journal of Physical Chemistry*, **1996**, 100, 12321-12328		28
89	Near-Threshold Photodissociation of C2H2, C2HD, and C2D2Studied by H(D) Atom Photofragment Translational Spectroscopy. *Bulletin of the Chemical Society of Japan*, **1996**, 69, 71-76	5.1	16
88	The photodissociation of iodine monochloride at 235 nm. *Chemical Physics Letters*, **1996**, 258, 159-163	2.5	22
87	Phase control of absorption in large polyatomic molecules. *Journal of Chemical Physics*, **1996**, 105, 2992-2997	3.9	49
86	Observation of the spin-forbidden O(1D)+O2(X 3Σg−) channel in the 317–327 nm photolysis of ozone. *Journal of Chemical Physics*, **1996**, 105, 5290-5293	3.9	44
85	Ion Imaging of the Photodissociation of OCS Near 217 and 230 nm. *The Journal of Physical Chemistry*, **1995**, 99, 16307-16314		105
84	Dynamics of the Reaction S(1D) + HD, H2, and D2: Isotopic Branching Ratios and Translational Energy Release. *Laser Chemistry*, **1994**, 14, 235-244		28
83	Collisional relaxation of translational energy and fine-structure levels of the O(3Pj) atom created in the photodissociation of SO2 at 193 nm. *Journal of Chemical Physics*, **1994**, 101, 5647-5651	3.9	19
82	Velocity relaxation of hot O(1D) atoms by collisions with rare gases, N2, and O2. *Journal of Chemical Physics*, **1994**, 101, 9610-9618	3.9	50
81	Laser-induced fluorescence detection of ClO radicals at 167–180 nm. *Journal of Chemical Physics*, **1994**, 101, 8262-8263	3.9	14
80	Fine structure branching ratios and translational energies of O(3Pj) atoms produced from collision induced intersystem crossing of O(1D) atoms. *Journal of Chemical Physics*, **1994**, 100, 315-324	3.9	27
79	O(3Pj) atom formation from photodissociation of ozone in the visible and ultraviolet region. *Canadian Journal of Chemistry*, **1994**, 72, 637-642	0.9	16
78	X-ray and ultraviolet photoelectron spectroscopic study of 58.4 and 193 nm photodissociation of organometallic compounds adsorbed on substrates. *Applied Surface Science*, **1994**, 79-80, 439-443	6.7	1
77	Dynamics of the Inversion Reaction. *Israel Journal of Chemistry*, **1994**, 34, 19-24	3.4	3
76	Photodissociation of ICl at 235–248 nm. *Journal of Chemical Physics*, **1993**, 99, 3461-3467	3.9	28

75	Photodissociation of Trimethylindium and Trimethylgallium on GaAs at 193 nm Studied by Angle-Resolved Photoelectron Spectroscopy. *Japanese Journal of Applied Physics*, **1993**, 32, 3099-3105	1.4	3
74	Dynamics of the reactions of O(1D) with HCl, DCl, and Cl2. *Journal of Chemical Physics*, **1993**, 98, 8330-8336	3.9	59
73	Photodissociation of dimethylaluminum hydride on Si(100) at 193 nm studied by x-ray photoelectron spectroscopy. *Journal of Applied Physics*, **1993**, 73, 3549-3554	2.5	10
72	Photoinduced Deposition of Aluminum Thin Film on Silicon Nitride and Oxide. *Japanese Journal of Applied Physics*, **1992**, 31, 1979-1981	1.4	6
71	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		44
70	Fine-structure branching ratios and Doppler profiles of Cl(2Pj) photofragments from photodissociation of the chlorine molecule near and in the ultraviolet region. *Journal of Chemical Physics*, **1992**, 97, 1065-1071	3.9	88
69	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	3.9	63
68	Photodissociation of hydrogen chloride at 157 and 193 nm: Angular distributions of hydrogen atoms and fine-structure branching ratios of chlorine atoms in the 2Pj levels. *Journal of Chemical Physics*, **1992**, 97, 8210-8215	3.9	45
67	Photodissociation of Trimethylindium and Trimethylgallium on GaAs(100) at 193nm Studied by Angle-Resolved XPS. *Materials Research Society Symposia Proceedings*, **1992**, 280, 193		
66	Photodissociation of zinc diiodide in the gas phase. *Journal of Photochemistry and Photobiology A: Chemistry*, **1992**, 65, 345-353	4.7	1
65	Photodissociation of trimethylindium on Si(111) at 193 nm. *Thin Solid Films*, **1992**, 218, 58-61	2.2	5
64	Two-photon dissociation of SO2 in the ultraviolet region. *Chemical Physics*, **1992**, 165, 173-182	2.3	11
63	Structural study of self-assembled monolayers of ferrocenylalkanethiols on gold by angleresolved X-ray photoelectron spectroscopy. *Applied Organometallic Chemistry*, **1992**, 6, 533-536	3.1	9
62	Photoinduced Selective Deposition of Aluminium Thin Film Using Dimethylaluminum Hydride. *Materials Research Society Symposia Proceedings*, **1991**, 236, 85		4
61	Laser photodissociation of organometallic compounds on a cryosubstrate. *Applied Organometallic Chemistry*, **1991**, 5, 247-255	3.1	6
60	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	3.9	29
59	Doppler profiles and fine-structure branching ratios of O(3Pj) from photodissociation of carbon dioxide at 157 nm. *Journal of Chemical Physics*, **1991**, 95, 7311-7316	3.9	30
58	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	3.9	53

57	The inversion mechanism for the reaction H+CD4→CD3H+D. *Journal of Chemical Physics*, **1991**, 95, 1033-1036	3.9	16
56	Photodissociation of oxygen molecules at 226 nm in the Herzberg I system. *Journal of Chemical Physics*, **1991**, 95, 3394-3398	3.9	21
55	The Doppler spectra of O(1D) from the photodissociation of O2, NO2, and N2O. *Journal of Chemical Physics*, **1991**, 95, 6218-6223	3.9	39
54	Pyrolytic and photolytic dissociation of trimethylgallium on Si and Au substrates. *Journal of Applied Physics*, **1991**, 70, 462-468	2.5	13
53	Fine structure branching ratios and Doppler spectra of O(3Pj) produced by the reaction of H+O2→OH+O. *Journal of Chemical Physics*, **1991**, 95, 4972-4976	3.9	23
52	Photodissociation of hydrogen chloride and hydrogen bromide. *Journal of Chemical Physics*, **1990**, 93, 7981-7985	3.9	39
51	Vacuum ultraviolet photochemistry of CHFCl2 and CHFBr2: Absorption spectra and CHF(A 1A″) radical formation. *Journal of Chemical Physics*, **1990**, 92, 4277-4282	3.9	13
50	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	3.9	33
49	Fine structure branching ratios of the O(3Pj) atomic fragments from photodissociation of oxygen molecules at 157 and 193 nm. *Journal of Chemical Physics*, **1990**, 93, 2481-2486	3.9	28
48	Formation of O(3Pj) photofragments from the Hartley band photodissociation of ozone at 226 nm. *Journal of Chemical Physics*, **1990**, 93, 3289-3294	3.9	56
47	Fluorescence lifetimes of SD(A 2Σ+,v=0,N′) radicals and rotational distribution of SD(X 2Π3/2,v=0,J″)photofragments generated in photodissociation of D2S and C2H5SD at 193 nm. *Journal of Chemical Physics*, **1989**, 91, 6758-6764	3.9	19
46	Laser photodissociation of chlorine and methyl chloride on low-temperature silicon substrates. *Journal of Applied Physics*, **1989**, 65, 792-798	2.5	23
45	Photodissociation of chlorine molecule in the UV region. *Chemical Physics Letters*, **1989**, 155, 486-490	2.5	25
44	He(I) Photoelectron spectra and VUV absorption cross sections of Ga(CH3)3 and In(CH3)3. *Chemical Physics Letters*, **1989**, 160, 152-156	2.5	18
43	Photodissociation of chlorine molecules under collision conditions: laser-induced luminescence ascribable to Cl3 species. *The Journal of Physical Chemistry*, **1989**, 93, 7571-7575		10
42	Raman spectra of some indo-, thia- and selena-carbocyanine dyes. *Journal of Raman Spectroscopy*, **1988**, 19, 129-132	2.3	26
41	Angular distributions of sulfur atoms in the 3p 3PJ and 3p 1D states from two-photon dissociation of carbon disulfide. *Chemical Physics Letters*, **1988**, 146, 101-105	2.5	14
40	Resonance CARS and resonance raman spectra of a cyanine dye: Detection of bands ascribable to a photoisomer. *Chemical Physics Letters*, **1988**, 143, 240-244	2.5	3

39	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	2.5	23
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