Masahiro Kawasaki

List of Publications by Year
in descending order

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200	4,554	94433	189892
papers	citations	37 h-index	50 g-index

206	206	206	2399
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photolysis of Atmospheric Ozone in the Ultraviolet Region. Chemical Reviews, 2003, 103, 4767-4782.	47.7	153
2	Ion Imaging of the Photodissociation of OCS Near 217 and 230 nm. The Journal of Physical Chemistry, 1995, 99, 16307-16314.	2.9	114
3	Fineâ€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.	3.0	92
4	Photodissociation of molecular beams of halogenated hydrocarbons at 193 nm. Chemical Physics, 1984, 88, 135-142.	1.9	75
5	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, 7707-7713.	2.5	75
6	Dynamics of the reactions of O(1D) with HCl, DCl, and Cl2. Journal of Chemical Physics, 1993, 98, 8330-8336.	3.0	65
7	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.	3.0	64
8	Formation of O(3Pj) photofragments from the Hartley band photodissociation of ozone at 226 nm. Journal of Chemical Physics, 1990, 93, 3289-3294.	3.0	60
9	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.	3.0	59
10	Phase control of absorption in large polyatomic molecules. Journal of Chemical Physics, 1996, 105, 2992-2997.	3.0	58
11	Mechanism of the reaction of OH radicals with acetone and acetaldehyde at 251 and 296 K. Physical Chemistry Chemical Physics, 2002, 4, 2189-2193.	2.8	58
12	Rate constants for the deactivation of N(22D) by simple hydride and deuteride molecules. Chemical Physics Letters, 1998, 296, 203-207.	2.6	57
13	Reactions of N(2â€‰2D) with methane and deuterated methanes. Journal of Chemical Physics, 1998, 109, 5844-5848.	3.0	55
14	Velocity relaxation of hot O(1D) atoms by collisions with rare gases, N2, and O2. Journal of Chemical Physics, 1994, 101, 9610-9618.	3.0	53
15	Heterogeneous Reaction of Gaseous Ozone with Aqueous Iodide in the Presence of Aqueous Organic Species. Journal of Physical Chemistry A, 2010, 114, 6016-6021.	2.5	52
16	Photodissociation of hydrogen chloride at 157 and 193 nm: Angular distributions of hydrogen atoms and fineâ€structure branching ratios of chlorine atoms in the2Pjlevels. Journal of Chemical Physics, 1992, 97, 8210-8215.	3.0	50
17	Observation of the spinâ€forbidden O(1D)+O2(Xâ€‰3Î£gâ^') channel in the 317â€“327 nm photolysis of ozone. Journal of Chemical Physics, 1996, 105, 5290-5293.	3.0	50
18	Photodissociation Processes of Ozone in the Huggins Band at 308â^'326 nm:Â Direct Observation of O(1D2) and O(3Pj) Products. The Journal of Physical Chemistry, 1996, 100, 4084-4089.	2.9	48

#	Article	IF	Citations
19	Wavelength and temperature dependence of the absolute O(1D) production yield from the 305â€“329 nm photodissociation of ozone. Journal of Chemical Physics, 1998, 108, 7161-7172.	3.0	47
20	Photodissociation of polycrystalline and amorphous water ice films at 157 and 193nm. Journal of Chemical Physics, 2006, 125, 133406.	3.0	47
21	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
22	Photofragment excitation spectrum for O(1D)from the photodissociation of jet-cooled ozone in the wavelength range 305â€“329 nm. Journal of Chemical Physics, 1997, 106, 6390-6397.	3.0	46
23	Buffer-gas pressure broadening for the (3 001)IIIâ†•(0 0 0) band of CO2measured with continuous-wave cavity ring-down spectroscopy. Physical Chemistry Chemical Physics, 2006, 8, 364-368.	2.8	46
24	The ultraviolet photodissociation of Cl2O at 235 nm and of HOCl at 235 and 266 nm. Journal of Chemical Physics, 1998, 109, 1315-1323.	3.0	45
25	Photodissociation of molecular beams of SO2 at 193 nm. Chemical Physics Letters, 1987, 139, 585-588.	2.6	44
26	The Doppler spectra of O(1D) from the photodissociation of O2, NO2, and N2O. Journal of Chemical Physics, 1991, 95, 6218-6223.	3.0	44
27	Reaction and Quenching of Cl(2Pj) Atoms in Collisions with Methane and Deuterated Methanes. Journal of Physical Chemistry A, 1997, 101, 1216-1221.	2.5	44
28	Effect of molecular bending on the photodissociation of OCS. Journal of Chemical Physics, 2000, 112, 7095-7101.	3.0	44
29	Interaction of Cationic Dye and Anionic Detergent above and below the Critical Micelle Concentration as Revealed by Fluorescence Characteristics. Bulletin of the Chemical Society of Japan, 1983, 56, 3588-3594.	3.2	43
30	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.	2.5	42
31	Photodissociation of molecular beams of SO2 at 193 nm. Chemical Physics, 1982, 73, 377-382.	1.9	41
32	Photodissociation of hydrogen chloride and hydrogen bromide. Journal of Chemical Physics, 1990, 93, 7981-7985.	3.0	41
33	Nitroxideâ€Mediated Radical Polymerization in Microemulsion. Macromolecular Rapid Communications, 2007, 28, 2346-2353.	3.9	40
34	A desorption mechanism of water following vacuum-ultraviolet irradiation on amorphous solid water at 90 K. Journal of Chemical Physics, 2010, 132, 164508.	3.0	40
35	Weak Acids Enhance Halogen Activation on Atmospheric Waterâ€™s Surfaces. Journal of Physical Chemistry A, 2011, 115, 4935-4940.	2.5	40
36	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.	2.5	39

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37	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.	3.0	37
38	Hydrogen atom formation from the photodissociation of water ice at 193 nm. Journal of Chemical Physics, 2004, 120, 5463-5468.	3.0	37
39	Energy transfer between rhodamine 6G and pinacyanol enhanced with sodium dodecyl sulfate in the premicellar region. Formation of dye-rich induced micelles. The Journal of Physical Chemistry, 1983, 87, 3759-3769.	2.9	36
40	Cavity Ring-Down Spectroscopy and Relative Rate Study of Reactions of HCO Radicals with O2, NO, NO2, and Cl2at 295 K. Journal of Physical Chemistry A, 2000, 104, 7556-7564.	2.5	36
41	Adsorption States of NO2over Waterâ˜Ice Films Formed on Au(111). Langmuir, 2000, 16, 9533-9538.	3.5	36
42	Photodissociation of Chlorine Molecules Adsorbed on Amorphous and Crystalline Water Ice Films. Journal of Physical Chemistry B, 2002, 106, 3151-3159.	2.6	36
43	Above-Threshold Effects in the Photodissociation and Photoionization of Iodobenzeneâ€. Journal of Physical Chemistry A, 2001, 105, 2270-2280.	2.5	35
44	Formation of Iodine Monoxide Radical from the Reaction of CH2I with O2. Journal of Physical Chemistry A, 2004, 108, 6347-6350.	2.5	35
45	Atom Transfer Radical Polymerization of isoâ€Butyl Methacrylate in Microemulsion with Cationic and Nonâ€Ionic Emulsifiers. Macromolecular Rapid Communications, 2007, 28, 2354-2360.	3.9	34
46	Doppler profiles and fineâ€structure branching ratios of O(3Pj) from photodissociation of carbon dioxide at 157 nm. Journal of Chemical Physics, 1991, 95, 7311-7316.	3.0	33
47	TRANSLATIONAL AND ROTATIONAL ENERGY MEASUREMENTS OF PHOTODESORBED WATER MOLECULES IN THEIR VIBRATIONAL GROUND STATE FROM AMORPHOUS SOLID WATER. Astrophysical Journal, 2009, 699, L80-L83.	4.5	33
48	Photodissociation of molecular beams of N2O4. Chemical Physics, 1983, 78, 65-74.	1.9	32
49	Raman spectra of some indo-, thia- and selena-carbocyanine dyes. Journal of Raman Spectroscopy, 1988, 19, 129-132.	2.5	32
50	Ion Imaging of the Photodissociation of Chlorine-Containing Molecules. The Journal of Physical Chemistry, 1996, 100, 19853-19858.	2.9	32
51	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.	3.0	31
52	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.	2.9	31
53	Kinetic Study of IO Radical with RO2(R = CH3, C2H5, and CF3) Using Cavity Ring-Down Spectroscopy. Journal of Physical Chemistry A, 2006, 110, 9861-9866.	2.5	31
54	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.	4.1	31

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55	FLUORESCENCE DECAY OF THE ACRIDINE ORANGEâ€SODIUM DODECYL SULFATE SYSTEM: FORMATION OF DYEâ€RICH INDUCED MICELLES IN THE PREMICELLAR REGION*. Photochemistry and Photobiology, 1983, 37, 131-139.	2.5	30
56	Photodissociation of Cl2SO at 248 and 193 nm in a molecular beam. Chemical Physics, 1984, 91, 285-291.	1.9	30
57	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.	3.0	30
58	Photofragmentation of ClNO in the A-Band:â€‰ Velocity Distribution and Fine-Structure Branching Ratio of Cl(2Pj) Atoms. The Journal of Physical Chemistry, 1996, 100, 12321-12328.	2.9	30
59	Collisional deactivation of the c 1Ï€ and A 3Ï€ states of imino radicals. Journal of Chemical Physics, 1973, 59, 648-653.	3.0	29
60	Photodissociation of chlorine molecule in the UV region. Chemical Physics Letters, 1989, 155, 486-490.	2.6	29
61	Photodissociation of ICl at 235â€“248 nm. Journal of Chemical Physics, 1993, 99, 3461-3467.	3.0	29
62	Translational energy and angular distributions of O() and O(j) fragments in the UV photodissociation of ozone. Chemical Physics, 1998, 231, 171-182.	1.9	29
63	Release of hydrogen molecules from the photodissociation of amorphous solid water and polycrystalline ice at 157 and 193nm. Journal of Chemical Physics, 2008, 129, 044501.	3.0	29
64	Desorption of hydroxyl radicals in the vacuum ultraviolet photolysis of amorphous solid water at 90 K. Journal of Chemical Physics, 2009, 131, 054508.	3.0	29
65	Spatially and timeâ€resolved detection of gallium atoms formed in the laser photochemical vapor deposition process of trimethylgallium by laserâ€induced fluorescence: Decomposition in the adsorbed state. Journal of Applied Physics, 1988, 64, 371-374.	2.5	28
66	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.	3.0	28
67	Dynamics of the Reaction S(¹D) + HD, H₂, and D₂: Isotopic Branching Ratios and Translational Energy Release. Laser Chemistry, 1994, 14, 235-244.	0.5	28
68	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.	1.6	28
69	Control of photofragment velocity anisotropy by optical alignment of CH3I. Journal of Chemical Physics, 2000, 112, 2164-2167.	3.0	28
70	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, 1587-1593.	2.5	28
71	Measurements of Energy Partitioning in H ₂ Formation by Photolysis of Amorphous Water Ice. Astrophysical Journal, 2008, 682, L69-L72.	4.5	28
72	Photochemical reaction processes during vacuum-ultraviolet irradiation of water ice. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2013, 16, 46-61.	11.6	28

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73	Cavity ring-down spectroscopy of the Aâ€˜2Î3/2â€“Xâ€˜2Î3/2 transition of BrO. Chemical Physics Letters, 1998, 285, 346-351.	2.6	27
74	Adsorption States and Photochemistry of NO2Adsorbed on Au(111). Journal of Physical Chemistry B, 1999, 103, 5063-5069.	2.6	27
75	Hydrogen peroxide formation following the vacuum ultraviolet photodissociation of water ice films at 90K. Journal of Chemical Physics, 2008, 129, 014709.	3.0	27
76	The photodissociation of iodine monochloride at 235 nm. Chemical Physics Letters, 1996, 258, 159-163.	2.6	26
77	Laser photodissociation of chlorine and methyl chloride on lowâ€temperature silicon substrates. Journal of Applied Physics, 1989, 65, 792-798.	2.5	25
78	Collisional relaxation of translational energy and fineâ€structure levels of the O(3Pj) atom created in the photodissociation of SO2at 193 nm. Journal of Chemical Physics, 1994, 101, 5647-5651.	3.0	25
79	Fluorescence and energy transfer of dye-detergent systems in the premicellar region. Journal of Photochemistry and Photobiology, 1981, 17, 243-248.	0.6	24
80	Cyanine Dye-Cyclodextrin Systems. Enhanced Dimerization of the Dye. Chemistry Letters, 1987, 16, 1633-1636.	1.3	23
81	Fine structure branching ratios and Doppler spectra of O(3Pj) produced by the reaction of H+O2â†'OH+O. Journal of Chemical Physics, 1991, 95, 4972-4976.	3.0	23
82	The inversion mechanism for the reaction H+CD4â†'CD3H+D. Journal of Chemical Physics, 1991, 95, 1033-1036.	3.0	23
83	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.	2.5	23
84	Photodissociation of oxygen molecules at 226 nm in the Herzberg I system. Journal of Chemical Physics, 1991, 95, 3394-3398.	3.0	22
85	Fluorescence lifetimes of SD(Aâ€‰2Î£+,vâ€™=0,Nâ€™â€‰) radicals and rotational distribution of SD(Xâ€‰2Î3/2,vâ€˜=0,Jâ€˜) photofragments generated in photodissociation of D2S and C2H5SD at 193 nm. Journal of Chemical Physics, 1989, 91, 6758-6764.	3.0	21
86	O(3Pj) atom formation from photodissociation of ozone in the visible and ultraviolet region. Canadian Journal of Chemistry, 1994, 72, 637-642.	1.1	21
87	Equilibrium Constants of the Reaction of Cl with O2in the Formation of ClOOâ€. Journal of Physical Chemistry A, 2004, 108, 8096-8099.	2.5	21
88	Spectra and emission lifetimes of H2CS(Ãƒ 1A2). Chemical Physics, 1983, 74, 83-88.	1.9	20
89	Angular distributions of CH+3photofragments from CH3I+prepared by multiphoton ionization. Journal of Chemical Physics, 1987, 87, 5739-5745.	3.0	20
90	Photolysis of CH3SH and H2S at 243.1 nm studied by photofragment ion imaging. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 5181.	1.7	20

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91	Vibrational Distribution of ClO Radicals Produced in the Reaction Cl + O3â† ClO + O2. The Journal of Physical Chemistry, 1996, 100, 176-179.	2.9	20
92	Photodissociation of Water Dimer at 205 nmâ€. Journal of Physical Chemistry A, 2004, 108, 8119-8124.	2.5	20
93	Highly Aggregated State of the Dye with the Detergent in the Premicellar Region as Revealed by Resonance Raman Spectra. Bulletin of the Chemical Society of Japan, 1982, 55, 717-720.	3.2	19
94	Fluorescence lifetimes of single vibrational levels in HSO (Aì ƒâ€‰2Aâ€²). Journal of Chemical Physics, 1983, 78, 7146-7152.	3.0	19
95	A spectroscopic study of the F(0+u) ionâ€pair state of Br2 by the double resonance method. Journal of Chemical Physics, 1984, 80, 5909-5915.	3.0	19
96	Short-wavelength fluorescence caused by sequential two-photon excitation of some cyanine dyes: Effect of solvent viscosity on the quantum yields. Chemical Physics, 1984, 83, 461-469.	1.9	19
97	He(I) Photoelectron spectra and VUV absorption cross sections of Ga(CH3)3 and In(CH3)3. Chemical Physics Letters, 1989, 160, 152-156.	2.6	19
98	Formation mechanisms of oxygen atoms in the O(D21) state from the 157nm photoirradiation of amorphous water ice at 90K. Journal of Chemical Physics, 2009, 131, 114510.	3.0	19
99	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.	3.2	18
100	Formation mechanisms of oxygen atoms in the O(PJ3) state from the 157nm photoirradiation of amorphous water ice at 90K. Journal of Chemical Physics, 2009, 131, 114511.	3.0	18
101	Vacuumâ€ultraviolet photolysis of ethylene oxide. Journal of Chemical Physics, 1973, 59, 2076-2082.	3.0	17
102	Fluorescence lifetimes of the single vibrational levels of H2CS1, D2CS, and Cl2CS in the Ä€1A2 state. Chemical Physics, 1985, 94, 179-185.	1.9	17
103	Photodissociation of methyl nitrite: Angular distributions in oneâ€•and twoâ€photon dissociations. Journal of Chemical Physics, 1987, 87, 5722-5727.	3.0	17
104	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.	3.2	17
105	Reactions of Cl Atoms with Dimethyl Sulfide:Â A Theoretical Calculation and an Experimental Study with Cavity Ring-Down Spectroscopyâ€. Journal of Physical Chemistry A, 2004, 108, 7785-7789.	2.5	17
106	Kinetic Study of the ClOO + NO Reaction Using Cavity Ring-Down Spectroscopy. Journal of Physical Chemistry A, 2006, 110, 3546-3551.	2.5	17
107	Iodine Emission in the Presence of Humic Substances at the Waterâ€™s Surface. Journal of Physical Chemistry A, 2012, 116, 5779-5783.	2.5	17
108	Thin, transparent conductive films fabricated from conducting polymer nanofibers. Polymer Journal, 2013, 45, 819-823.	2.7	17

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109	A Gas-Phase Kinetic Study of the Reaction between Bromine Monoxide and Methylperoxy Radicals at Atmospheric Temperatures. Journal of Physical Chemistry A, 2007, 111, 3342-3348.	2.5	16
110	Buffer-gas pressure broadening for the (0003)â†(0000) band of N2O measured with continuous-wave cavity ring-down spectroscopy. Chemical Physics, 2007, 334, 196-203.	1.9	16
111	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.	3.2	16
112	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.	2.8	16
113	Laserâ€induced fluorescence detection of ClO radicals at 167â€“180 nm. Journal of Chemical Physics, 1994, 101, 8262-8263.	3.0	15
114	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, 6066-6070.	2.5	15
115	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, 8629-8634.	2.5	15
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127	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.	3.0	12
128	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.	1.3	11
129	Photodissociation of dimethylaluminum hydride on Si(100) at 193 nm studied by xâ€ray photoelectron spectroscopy. Journal of Applied Physics, 1993, 73, 3549-3554.	2.5	11
130	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.	1.6	11
131	Above-Threshold Dissociative Ionization in the Intermediate Intensity Regime. Physical Review Letters, 2001, 86, 2245-2248.	7.8	11
132	Dissociative ionization of ICl studied by ion imaging spectroscopy. Journal of Chemical Physics, 2002, 117, 1130-1138.	3.0	11
133	Characterization of Aerosol Particles in the Tokyo Metropolitan Area using Two Different Particle Mass Spectrometers. Aerosol Science and Technology, 2011, 45, 315-326.	3.1	11
134	Excited state dynamics of Cl2O in the near ultraviolet. Journal of Chemical Physics, 2002, 117, 2141-2150.	3.0	10
135	Ultraviolet Photodissociation Dynamics of Cl2and CFCl3Adsorbed on Water Ice Surfaces. Journal of Physical Chemistry A, 2003, 107, 1472-1477.	2.5	10
136	FLUORESCENCE DECAY OF 3,3â€²-DIETHYLTHIACARBOCYANINE IODIDE-SODIUM LAURYL SULFATE SYSTEM: DEAGGREGATION OF THE DYE AND DYE-DETERGENT AGGREGATE FORMATION ABOVE AND BELOW THE CRITICAL MICELLE CONCENTRATION. Chemistry Letters, 1980, 9, 1529-1532.	1.3	9
137	Two-photon Excitation Spectra of 1-Azabicyclo[2.2.2]octane and Trimethylamine. Bulletin of the Chemical Society of Japan, 1982, 55, 3097-3100.	3.2	9
138	Photodissociation of Tetramethyltin at 193 nm. Laser Chemistry, 1987, 7, 109-117.	0.5	9
139	Structural study of self-assembled monolayers of ferrocenylalkanethiols on gold by angleresolved X-ray photoelectron spectroscopy. Applied Organometallic Chemistry, 1992, 6, 533-536.	3.5	9
140	Potential of site specific photochemical processing using synchrotron radiation. Nuclear Instruments & Methods in Physics Research B, 1997, 122, 364-367.	1.4	9
141	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, 9763-9766.	2.5	9
142	Translational and internal states of hydrogen molecules produced from the ultraviolet photodissociation of amorphous solid methanol. Journal of Chemical Physics, 2009, 130, 164505.	3.0	9
143	Absorption spectrum of nitrous acid for the Î½1+2Î½3 band studied with continuous-wave cavity ring-down spectroscopy and theoretical calculations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 45-51.	2.3	9
144	Microscopic conduction pathways of poly(3-hexylthiophene) nanofibers embedded in polymer film. Polymer Journal, 2012, 44, 371-374.	2.7	9

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145	Multiphoton ionization of triethylamine: Determination of the vibrationless S2 level by laser photoelectron spectroscopy. Chemical Physics Letters, 1985, 114, 473-476.	2.6	8
146	Photofragment Imaging of CH3Br+from (CH3Br)2+at 355 nm. Journal of Physical Chemistry A, 1997, 101, 1227-1230.	2.5	8
147	Atmospheric Chemistry of BrO Radicals: Kinetics of the Reaction with C₂H₅O₂ Radicals at 233â^'333 K. Journal of Physical Chemistry A, 2009, 113, 10231-10237.	2.5	8
148	Detection of Trace Species with Cavity Ring-Down Spectroscopy. The Review of Laser Engineering, 2006, 34, 289-294.	0.0	8
149	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.	1.5	7
150	Laser photodissociation of organometallic compounds on a cryosubstrate. Applied Organometallic Chemistry, 1991, 5, 247-255.	3.5	7
151	State and energy characterisation of fluorine atoms in the A band photodissociation of F2. Chemical Physics Letters, 1999, 305, 319-326.	2.6	7
152	Photodissociation of N2O4 Adsorbed on Amorphous and Crystalline Waterâ^'Ice Films. Journal of Physical Chemistry A, 2004, 108, 438-446.	2.5	7
153	Temperature-dependent absorption cross sections of ozone in the Wulf-Chappuis band at 759â€“768 nm. Journal of Geophysical Research, 2004, 109, .	3.3	7
154	Temperature and Pressure Dependence of the Rate Constants of the Reaction of NO3Radical with CH3SCH3. Journal of Physical Chemistry A, 2006, 110, 7401-7405.	2.5	7
155	Vacuum ultraviolet photodissociation and surface morphology change of water ice films dosed with hydrogen chloride. Journal of Chemical Physics, 2007, 127, 154721.	3.0	7
156	Ab initio theoretical calculations of the electronic excitation energies of small water clusters. Physical Chemistry Chemical Physics, 2011, 13, 20745.	2.8	7
157	Semiconducting properties of p- and n-type organic nanofiber/poly(methyl methacrylate) composite films for film rectifier. Synthetic Metals, 2016, 213, 1-6.	3.9	7
158	State-selected fluorescence lifetimes and collisional quenching rates of HNO (A 1Aâ€³). Chemical Physics Letters, 1979, 61, 518-521.	2.6	6
159	Effect of rotational relaxation on the intensity and polarization of fluorescence emission caused by sequential two-photo excitation. Chemical Physics, 1984, 83, 451-460.	1.9	6
160	Photoinduced Deposition of Aluminum Thin Film on Silicon Nitride and Oxide. Japanese Journal of Applied Physics, 1992, 31, 1979-1981.	1.5	6
161	Photodissociation of trimethylindium on Si(111) at 193 nm. Thin Solid Films, 1992, 218, 58-61.	1.8	6
162	Two-Photon C12(n, 4s) â†•X1A1Absorption of Thioformaldehyde as Observed in (2+2) Resonance Enhanced Multiphoton Ionization Spectroscopy. Chemistry Letters, 2001, 30, 62-63.	1.3	6

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163	Controlling the branching ratio of the photodissociation of aligned Cl2 at 404 nm. Chemical Physics Letters, 2001, 340, 83-88.	2.6	6
164	Study of the Temperature Dependence of the Reaction of NO3 with CH3I and the Estimation of Its Impact on Atmospheric Iodine Chemistry. Bulletin of the Chemical Society of Japan, 2008, 81, 938-946.	3.2	6
165	Photoinduced Selective Deposition of Aluminium Thin Film Using Dimethylaluminum Hydride. Materials Research Society Symposia Proceedings, 1991, 236, 85.	0.1	5
166	Photodissociation dynamics of CH3CFCl2 and CDCl3 at 205â€“209nm. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 176, 78-85.	3.9	5
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