

Naohiko Mikami

List of Publications by Year in descending order

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211
papers

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#	ARTICLE	IF	CITATIONS
1	Infrared Spectroscopic Evidence for Protonated Water Clusters Forming Nanoscale Cages. <i>Science</i> , 2004, 304, 1134-1137.	6.0	493
2	Vibrational spectroscopy of small-sized hydrogen-bonded clusters and their ions. <i>International Reviews in Physical Chemistry</i> , 1998, 17, 331-361.	0.9	361
3	OH stretching vibrations of phenol-(H ₂ O) _n (n=1-3) complexes observed by IR-UV double-resonance spectroscopy. <i>Chemical Physics Letters</i> , 1993, 215, 347-352.	1.2	309
4	Size-selected vibrational spectra of phenol-(H ₂ O) _n (n=1-4) clusters observed by IR-UV double resonance and stimulated Raman-UV double resonance spectroscopies. <i>Journal of Chemical Physics</i> , 1996, 105, 408-419.	1.2	262
5	Vibrational spectroscopy of 2-pyridone and its clusters in supersonic jets: Structures of the clusters as revealed by characteristic shifts of the NH and C=O bands. <i>Journal of Chemical Physics</i> , 1999, 110, 8397-8407.	1.2	150
6	Infrared Spectroscopy of Hydrogen-Bonded Phenol-Amine Clusters in Supersonic Jets. <i>The Journal of Physical Chemistry</i> , 1996, 100, 16053-16057.	2.9	147
7	Magnitude of the CH... Interaction in the Gas Phase: An Experimental and Theoretical Determination of the Accurate Interaction Energy in Benzene-methane. <i>Journal of Physical Chemistry A</i> , 2006, 110, 4397-4404.	1.1	139
8	Two-color photoionization of van der Waals complexes of fluorobenzene and hydrogen-bonded complexes of phenol in supersonic jets. <i>The Journal of Physical Chemistry</i> , 1985, 89, 3642-3648.	2.9	138
9	Fluorescence excitation spectra of hydrogen-bonded phenols in a supersonic free jet. <i>The Journal of Physical Chemistry</i> , 1982, 86, 1768-1771.	2.9	134
10	Electronic spectra of tropolone in a supersonic free jet. Proton tunneling in the S ₁ state. <i>The Journal of Physical Chemistry</i> , 1983, 87, 4401-4405.	2.9	132
11	OH Stretching Vibrations of Phenol-(H ₂ O) ₁ and Phenol-(H ₂ O) ₃ in the S ₁ State. <i>The Journal of Physical Chemistry</i> , 1996, 100, 546-550.	2.9	131
12	Evidence for the Cyclic Form of Phenol Trimer: Vibrational Spectroscopy of the OH Stretching Vibrations of Jet-Cooled Phenol Dimer and Trimer. <i>The Journal of Physical Chemistry</i> , 1995, 99, 5761-5764.	2.9	119
13	The fluorescence excitation spectrum of aniline in a supersonic free jet: Double minimum potential for the inversion vibration in the excited state. <i>Chemical Physics Letters</i> , 1980, 74, 531-535.	1.2	113
14	Magnitude and Nature of Interactions in Benzene...X (X = Ethylene and Acetylene) in the Gas Phase: A Significantly Different CH... Interaction of Acetylene As Compared with Those of Ethylene and Methane. <i>Journal of Physical Chemistry A</i> , 2007, 111, 753-758.	1.1	110
15	Rotational isomers of meta-substituted phenols and .beta.-naphthol studied by electronic spectra in supersonic free jets. <i>The Journal of Physical Chemistry</i> , 1984, 88, 5180-5186.	2.9	106
16	Origin of the Attraction in Aliphatic C-H... Interactions: An Infrared Spectroscopic and Theoretical Characterization of Gas-Phase Clusters of Aromatics with Methane. <i>Journal of Physical Chemistry A</i> , 2006, 110, 10583-10590.	1.1	99
17	Infrared Spectra and Hydrogen-Bonded Network Structures of Large Protonated Water Clusters H ₂ O _n ⁺ (H ₂ O) ₂ (H ₂ O) _n (n=20-200). <i>Angewandte Chemie - International Edition</i> , 2010, 49, 10119-10122.	7.2	93
18	Electronic spectra and ionization potentials of rotational isomers of several disubstituted benzenes. <i>Chemical Physics Letters</i> , 1985, 116, 50-54.	1.2	90

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19	Characterization of the Hydrogen-Bonded Cluster Ions [Phenol \cdot (H ₂ O) _n] ⁺ (n= 1 \sim 4), (Phenol) ₂ ⁺ , and (Phenol \cdot Methanol) _n ⁺ As Studied by Trapped Ion Infrared Multiphoton Dissociation Spectroscopy of Their OH Stretching Vibrations. <i>The Journal of Physical Chemistry</i> , 1996, 100, 8131-8138.	2.9	88
20	Vibrational spectroscopy of size-selected neutral and cationic clusters combined with vacuum-ultraviolet one-photon ionization detection. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1279.	1.3	87
21	Solvated phenol studied by supersonic jet spectroscopy. <i>The Journal of Physical Chemistry</i> , 1983, 87, 5083-5090.	2.9	86
22	Electronic spectra of uracil in a supersonic jet. <i>Chemical Physics Letters</i> , 1986, 126, 583-587.	1.2	85
23	Infrared spectroscopy of hydrated benzene cluster cations, [C ₆ H ₆ -(H ₂ O) _n] ⁺ (n=1 \sim 6): Structural changes upon photoionization and proton transfer reactions. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 1137-1148.	1.3	79
24	Infrared dissociation spectroscopy of the OH stretching vibration of phenol \cdot rare gas van der Waals cluster ions. <i>Chemical Physics Letters</i> , 1994, 225, 104-107.	1.2	77
25	Experimental and theoretical determination of the accurate interaction energies in benzene \cdot halomethane: the unique nature of the activated CH \cdot interaction of haloalkanes. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 2836.	1.3	77
26	An Infrared Study of δ -Hydrogen Bonds in Micro-solvated Phenol: OH Stretching Vibrations of Phenol \cdot X (X = C ₆ H ₆ , C ₂ H ₄ , and C ₂ H ₂) Clusters in the Neutral and Cationic Ground States. <i>Journal of Physical Chemistry A</i> , 2002, 106, 8554-8560.	1.1	76
27	Characterizations of the hydrogen-bond structures of 2-naphthol-(H ₂ O) _n (n=0 \sim 3 and 5) clusters by infrared-ultraviolet double-resonance spectroscopy. <i>Journal of Chemical Physics</i> , 1998, 109, 6303-6311.	1.2	75
28	Population labeling spectroscopy for the electronic and the vibrational transitions of 2-pyridone and its hydrogen-bonded clusters. <i>Journal of Chemical Physics</i> , 2000, 113, 573-580.	1.2	74
29	Spectroscopic Study of Intracluster Proton Transfer in Small Size Hydrogen-Bonding Clusters of Phenol. <i>Bulletin of the Chemical Society of Japan</i> , 1995, 68, 683-695.	2.0	73
30	Structures and the vibrational relaxations of size-selected benzonitrile \cdot (H ₂ O) _{n=1\sim3} and \cdot (CH ₃ OH) _{n=1\sim3} clusters studied by fluorescence detected Raman and infrared spectroscopies. <i>Journal of Chemical Physics</i> , 1999, 110, 9504-9515.	1.2	73
31	Infrared spectroscopy of OH stretching vibrations of hydrogen \cdot bonded tropolone \cdot (H ₂ O) _n (n=1 \sim 3) and tropolone \cdot (CH ₃ OH) _n (n=1 and 2) clusters. <i>Journal of Chemical Physics</i> , 1996, 105, 2618-2627.	1.2	72
32	Two-photon excitation spectra of naphthalene and naphthalene-d ₈ . <i>Chemical Physics Letters</i> , 1975, 31, 472-478.	1.2	71
33	Electronic spectra and vibronic coupling of pyrazine. <i>Journal of Molecular Spectroscopy</i> , 1974, 52, 21-37.	0.4	69
34	Autoionization-detected infrared spectroscopy of intramolecular hydrogen bonds in aromatic cations. I. Principle and application to fluorophenol and methoxyphenol. <i>Journal of Chemical Physics</i> , 1999, 110, 4238-4247.	1.2	69
35	Discrimination of Rotamers of Aryl Alcohol Homologues by Infrared \cdot Ultraviolet Double-Resonance Spectroscopy in a Supersonic Jet. <i>Journal of the American Chemical Society</i> , 1999, 121, 5705-5711.	6.6	68
36	Infrared spectroscopy of CH stretching vibrations of jet-cooled alkylbenzene cations by using the \cdot messenger \cdot technique. <i>Journal of Chemical Physics</i> , 2000, 112, 6275-6284.	1.2	68

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37	A Molecular Cluster Study on Activated CH ₃ Interactions: Infrared Spectroscopy of Aromatic Molecule-Acetylene Clusters. <i>Journal of Physical Chemistry A</i> , 2004, 108, 2652-2658.	1.1	67
38	Dynamics of radiationless processes studied in pulsed supersonic free jets: Some naphthalene lifetimes. <i>Chemical Physics Letters</i> , 1979, 60, 364-367.	1.2	65
39	Structure and Photoinduced Excited State Keto-Enol Tautomerization of 7-Hydroxyquinoline-(CH ₃ OH) _n Clusters. <i>Journal of Physical Chemistry A</i> , 2002, 106, 5591-5599.	1.1	64
40	Electronic spectra of jet-cooled azulene. <i>Chemical Physics</i> , 1983, 77, 191-200.	0.9	63
41	Structures of size-selected hydrogen-bonded phenol-(H ₂ O) _n clusters in S ₀ , S ₁ and ion. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1996, 159, 111-124.	1.9	63
42	Picosecond IR-UV Pump-Probe Spectroscopy. IVR of OH Stretching Vibration of Phenol and Phenol Dimer. <i>Journal of Physical Chemistry A</i> , 2001, 105, 8623-8628.	1.1	63
43	Infrared spectroscopy of the benzene-H ₂ O cluster cation: experimental study on the drastic structural change upon photoionization. <i>Chemical Physics Letters</i> , 2001, 349, 431-436.	1.2	63
44	Internal Rotation of the Methyl Group in the Electronically Excited State: o- and m-Toluidine. <i>Laser Chemistry</i> , 1987, 7, 197-212.	0.5	61
45	Infrared spectroscopy of the phenol-N ₂ cluster in S ₀ and D ₀ : Direct evidence of the in-plane structure of the cluster. <i>Journal of Chemical Physics</i> , 1999, 110, 11125-11128.	1.2	61
46	Autoionization-Detected Infrared Spectroscopy of Molecular Ions. <i>Journal of Physical Chemistry A</i> , 1997, 101, 5963-5965.	1.1	59
47	Infrared Spectroscopy of the OH Stretching Vibrations of Jet-Cooled Salicylic Acid and Its Dimer in S ₀ and S ₁ . <i>Journal of Physical Chemistry A</i> , 2001, 105, 10673-10680.	1.1	59
48	Highly excited states of nitric oxide studied by two-color double resonance spectroscopy. <i>Journal of Chemical Physics</i> , 1983, 78, 1132-1139.	1.2	57
49	A New Electronic State of Aniline Observed in the Transient IR Absorption Spectrum from S ₁ in a Supersonic Jet. <i>Journal of Physical Chemistry A</i> , 2002, 106, 11070-11074.	1.1	57
50	Infrared Spectroscopy of Size-Selected Benzene-Water Cluster Cations [C ₆ H ₆ (H ₂ O) _n] ⁺ (n = 1-23): Hydrogen Bond Network Evolution and Microscopic Hydrophobicity. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10656-10660.	1.1	55
51	Sensitized phosphorescence excitation spectra of biacetyl, benzaldehyde and benzophenone in supersonic jets. <i>Chemical Physics Letters</i> , 1984, 109, 217-220.	1.2	54
52	Dispersed fluorescence spectra of hydrogen-bonded phenols in a supersonic free jet. <i>The Journal of Physical Chemistry</i> , 1982, 86, 2567-2569.	2.9	53
53	Photodissociation of the hydrogen-bonded [phenol-ammonia] ⁺ heterodimer ion. <i>The Journal of Physical Chemistry</i> , 1988, 92, 1858-1862.	2.9	53
54	Structures of hydrogen-bonded clusters of benzyl alcohol with water investigated by infrared-ultraviolet double resonance spectroscopy in supersonic jet. <i>Journal of Chemical Physics</i> , 1999, 111, 8438-8447.	1.2	53

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55	Two-photon excitation spectra of naphthalene-h8 and -d8: Vibronic coupling involving the ground state. <i>Chemical Physics</i> , 1977, 23, 141-152.	0.9	52
56	Two-color multiphoton ionization and fluorescence dip spectra of NO in a supersonic free jet. Highly excited ns, np, nf Rydberg states. <i>Chemical Physics</i> , 1985, 97, 153-163.	0.9	52
57	Experimental and theoretical determination of the accurate CH/Ĥ interaction energies in benzene-alkane clusters: correlation between interaction energy and polarizability. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14131.	1.3	52
58	IR-UV Double-Resonance Spectroscopic Study of 2-Hydroxypyridine and Its Hydrogen-Bonded Clusters in Supersonic Jets. <i>Journal of Physical Chemistry A</i> , 2001, 105, 3475-3480.	1.1	51
59	Vibrational spectroscopic evidence of unconventional hydrogen bonds. <i>International Journal of Mass Spectrometry</i> , 2002, 220, 289-312.	0.7	51
60	Morphology of Protonated Methanol Clusters: An Infrared Spectroscopic Study of Hydrogen Bond Networks of H+(CH3OH) _n (n = 4-15). <i>Journal of Physical Chemistry A</i> , 2005, 109, 138-141.	1.1	51
61	Vibrational Relaxation of OH and OD Stretching Vibrations of Phenol and Its Clusters Studied by IR-UV Pump-Probe Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000, 104, 7974-7979.	1.1	50
62	Size Dependence of Intracuster Proton Transfer of Phenol-(H2O) _n (n = 1-4) Cations. <i>The Journal of Physical Chemistry</i> , 1996, 100, 4765-4769.	2.9	49
63	NH Stretching Vibrations of Jet-Cooled Aniline and Its Derivatives in the Neutral and Cationic Ground States. <i>Journal of Physical Chemistry A</i> , 2003, 107, 3678-3686.	1.1	48
64	Picosecond IR-UV pump-probe spectroscopic study of the dynamics of the vibrational relaxation of jet-cooled phenol. I. Intramolecular vibrational energy redistribution of the OH and CH stretching vibrations of bare phenol. <i>Journal of Chemical Physics</i> , 2004, 120, 7400-7409.	1.2	48
65	Direct Observation of Weak Hydrogen Bonds in Microsolvated Phenol: Infrared Spectroscopy of OH Stretching Vibrations of Phenol-CO and -CO ₂ in S ₀ and D ₀ . <i>Journal of Physical Chemistry A</i> , 2002, 106, 10124-10129.	1.1	47
66	Degenerate four-wave mixing and photofragment yield spectroscopic study of jet-cooled SO ₂ in the CĤ state: Internal conversion followed by dissociation in the XĤ state. <i>Journal of Chemical Physics</i> , 1997, 107, 8752-8758.	1.2	46
67	Long range influence of an excess proton on the architecture of the hydrogen bond network in large-sized water clusters. <i>Journal of Chemical Physics</i> , 2007, 126, 231101.	1.2	46
68	Evidence of a dihydrogen bond in gas phase: Phenol-borane-dimethylamine complex. <i>Journal of Chemical Physics</i> , 2000, 113, 9885-9888.	1.2	45
69	Stable forms of the phenol-complex cations as revealed by trapped ion photodissociation spectroscopy. <i>Chemical Physics Letters</i> , 1993, 202, 431-436.	1.2	44
70	Two-color excitation of NO in a supersonic free jet. Autoionization of high rydberg states. <i>Chemical Physics</i> , 1984, 89, 103-109.	0.9	43
71	Picosecond IR-UV pump-probe spectroscopic study of the dynamics of the vibrational relaxation of jet-cooled phenol. II. Intracuster vibrational energy redistribution of the OH stretching vibration of hydrogen-bonded clusters. <i>Journal of Chemical Physics</i> , 2004, 120, 7410-7417.	1.2	43
72	Rotational energy transfer in NO (A ₂ Ĥ, v = 0 and 1) studied by two-color double-resonance spectroscopy. <i>Chemical Physics</i> , 1984, 84, 151-157.	0.9	41

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73	Infrared spectroscopy of size-selected neutral clusters combined with vacuum-ultraviolet-photoionization mass spectrometry. <i>Chemical Physics Letters</i> , 2006, 422, 378-381.	1.2	41
74	Vibronic coupling involving the ground states of benzene and naphthalene. <i>Journal of Chemical Physics</i> , 1976, 64, 3077-3078.	1.2	40
75	Vibrational predissociation and nonradiative process of electronically excited van der Waals complexes of pyrimidine. <i>The Journal of Physical Chemistry</i> , 1985, 89, 3512-3521.	2.9	40
76	Infrared Spectroscopy of Intramolecular Hydrogen-Bonded OH Stretching Vibrations in Jet-Cooled Methyl Salicylate and Its Clusters. <i>Journal of Physical Chemistry A</i> , 1998, 102, 9779-9784.	1.1	40
77	Hole-Burning and Stimulated Raman-UV Double Resonance Spectroscopies of Jet-Cooled Toluene Dimer. <i>The Journal of Physical Chemistry</i> , 1996, 100, 10531-10535.	2.9	39
78	Photodestruction spectroscopy of carbon disulfide cluster anions (CS ₂) _n ⁻ , n=1-4: Evidence for the dimer core structure and competitive reactions of the dimer anion. <i>Journal of Chemical Physics</i> , 1998, 108, 1368-1376.	1.2	39
79	Real-time detection of doorway states in the intramolecular vibrational energy redistribution of the OH/OD stretch vibration of phenol. <i>Journal of Chemical Physics</i> , 2004, 121, 11530-11534.	1.2	38
80	Two-color multiphoton ionization and fluorescence dip spectra of diazabicyclo[2.2.2]octane in a supersonic free jet. Rydberg states (n = 5-39) and autoionization. <i>The Journal of Physical Chemistry</i> , 1984, 88, 4265-4271.	2.9	37
81	Sensitized phosphorescence excitation spectra of benzoic acid monomer and methyl benzoate and their complexes in supersonic jets. <i>The Journal of Physical Chemistry</i> , 1985, 89, 3636-3641.	2.9	37
82	Spectroscopic investigation of the generation of cisomerization states: Eigenvector analysis of the bend-CP stretch polyad. <i>Journal of Chemical Physics</i> , 1998, 109, 492-503.	1.2	37
83	Intracluster ion molecule reactions within the photoionized van der Waals complexes of fluorobenzene with ammonia and with water. <i>The Journal of Physical Chemistry</i> , 1991, 95, 7197-7204.	2.9	36
84	Photodetachment of small water cluster anions in the near-infrared through the visible region. <i>Chemical Physics Letters</i> , 1997, 264, 292-296.	1.2	36
85	Electronic spectroscopy of benzene-water cluster cations, [C ₆ H ₆ (H ₂ O) _n] ⁺ (n=1-4): spectroscopic evidence for phenyl radical formation through size-dependent intracluster proton transfer reactions. <i>Chemical Physics Letters</i> , 2004, 399, 412-416.	1.2	35
86	Binding Energy of the Benzene-Water Cluster Cation: An Ar-Mediated IR Photodissociation Study. <i>Journal of Physical Chemistry A</i> , 2004, 108, 8269-8272.	1.1	35
87	n, _i π* State of jet-cooled benzophenone as studied by sensitized phosphorescence excitation spectroscopy. <i>The Journal of Physical Chemistry</i> , 1986, 90, 5615-5619.	2.9	34
88	Observation of the cisomerization states of HCP by stimulated emission pumping spectroscopy: Comparison between theory and experiment. <i>Journal of Chemical Physics</i> , 1997, 106, 2980-2983.	1.2	34
89	C-H stretching vibrations of benzene and toluene in their S ₁ states observed by double resonance vibrational spectroscopy in supersonic jets. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1537-1541.	1.3	34
90	Gas phase dihydrogen bonding: clusters of borane-amines with phenol and aniline. <i>Chemical Physics</i> , 2002, 283, 193-207.	0.9	34

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91	Infrared predissociation spectroscopy of cluster cations of protic molecules, (NH ₃) _n ⁺ , n=2-4 and (CH ₃ OH) _n ⁺ , n=2,3. Journal of Chemical Physics, 2008, 129, 094306.	1.2	34
92	Two-color multiphoton ionization of diazabicyclooctane in a supersonic free jet. Chemical Physics Letters, 1983, 101, 578-582.	1.2	33
93	Gas phase dihydrogen bonded phenol-borane-trimethylamine complex. Journal of Chemical Physics, 2001, 114, 8877-8879.	1.2	33
94	Relaxation dynamics of NH stretching vibrations of 2-aminopyridine and its dimer in a supersonic beam. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12690-12695.	3.3	33
95	Fluorescence excitation spectra of weakly bound complexes of benzene in a supersonic free jet. Chemical Physics Letters, 1983, 94, 549-552.	1.2	32
96	The Resonance Raman Effect of Azobenzene and p-Aminoazobenzene. Bulletin of the Chemical Society of Japan, 1972, 45, 3542-3543.	2.0	31
97	Intersystem crossing in jet-cooled naphthalene, 1- and 2-chloronaphthalene as studied by sensitized phosphorescence excitation spectroscopy. Chemical Physics Letters, 1986, 127, 292-296.	1.2	31
98	Autoionization-detected infrared spectroscopy of intramolecular hydrogen bonds in aromatic cations. II. Unconventional intramolecular hydrogen bonds. Journal of Chemical Physics, 2000, 112, 137-148.	1.2	31
99	Dihydrogen bonded phenol-borane-dimethylamine complex: An experimental and theoretical study. Journal of Chemical Physics, 2002, 116, 6056-6063.	1.2	31
100	Intramolecular electronic energy transfer of bichromophoric molecules in a supersonic free jet. Chemical Physics Letters, 1984, 110, 597-601.	1.2	30
101	Rotational structure and dissociation of the Rydberg states of CO investigated by ion dip spectroscopy. Journal of Chemical Physics, 1995, 103, 2420-2435.	1.2	30
102	First Observation of Intramolecular Charge-Transfer Emission from Jet-Cooled (p-Cyanophenyl)pentamethyldisilane in an Isolated Molecular Condition. Journal of the American Chemical Society, 1997, 119, 7400-7401.	6.6	30
103	A New Type of Intramolecular Hydrogen Bonding: Hydroxyl-Methyl Interactions in the o-Cresol Cation. Journal of the American Chemical Society, 1998, 120, 13256-13257.	6.6	30
104	Vibrational energy redistribution in jet-cooled hydrogen-bonded phenols. Chemical Physics Letters, 1982, 93, 217-220.	1.2	29
105	Nucleophilic substitution within the photoionized van der Waals complex: generation of C ₆ H ₅ NH ₃ ⁺ from C ₆ H ₅ Cl-NH ₃ . Journal of the American Chemical Society, 1988, 110, 7238-7239.	6.6	29
106	Picosecond IR-UV pump-probe spectroscopic study on the intramolecular vibrational energy redistribution of NH ₂ and CH stretching vibrations of jet-cooled aniline. Journal of Chemical Physics, 2005, 123, 124316.	1.2	29
107	Double resonance effect on multiphoton ionization process of nitric oxide. Chemical Physics Letters, 1982, 86, 445-448.	1.2	28
108	One-photon and Two-photon Electronic Spectra of Two Caged Amines. Bulletin of the Chemical Society of Japan, 1982, 55, 2796-2802.	2.0	27

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109	Excitation and dispersed fluorescence spectra of the $B^2(\Sigma^+)-1^1\Sigma^+(X^1\Sigma^+)$ transition of jet-cooled CS_2 . <i>Chemical Physics</i> , 1984, 86, 173-188.	0.9	27
110	Selective complexation of rotational isomers of p-dimethoxybenzene as studied by electronic spectra in a supersonic jet. <i>Chemical Physics Letters</i> , 1986, 125, 1-4.	1.2	27
111	Sensitized phosphorescence excitation spectra of complexes of glyoxal, pyrazine, and phenol. Great enhancement of phosphorescence yield by complexation. <i>The Journal of Physical Chemistry</i> , 1986, 90, 2370-2374.	2.9	27
112	Nucleophilic substitution within the photoionized van der Waals complex chlorobenzene-ammonia. <i>The Journal of Physical Chemistry</i> , 1990, 94, 6973-6977.	2.9	27
113	Trapped ion photodissociation spectroscopy: the electronic spectrum of the hydrogen-bonded complex cation $[C_6H_5OH \cdots N(CH_3)_3]^+$. <i>Chemical Physics Letters</i> , 1991, 180, 431-435.	1.2	27
114	Photofragment-Detected IR Spectroscopy (PFDIRS) for the OH Stretching Vibration of the Hydrogen-Bonded Clusters in the S1 State Application to 2-Naphthol-B (B = H ₂ O and CH ₃ OH) Clusters. <i>Journal of Physical Chemistry A</i> , 2001, 105, 5727-5730.	1.1	27
115	Theoretical Analyses of the Morphological Development of the Hydrogen Bond Network in Protonated Methanol Clusters. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9438-9445.	1.1	27
116	Catalytic Action of a Single Water Molecule in a Proton Migration Reaction. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4898-4901.	7.2	27
117	Two-color photoionization of van der waals complexes of fluorobenzene in a supersonic free jet. <i>Chemical Physics Letters</i> , 1984, 107, 22-26.	1.2	26
118	Chemistry of organosilicon compounds. 277. Conformational analysis of phenylpentamethyldisilane and related compounds as studied by free-jet laser spectroscopy. <i>Organometallics</i> , 1991, 10, 3793-3795.	1.1	26
119	Compatibility between methanol and water in the three-dimensional cage formation of large-sized protonated methanol-water mixed clusters. <i>Journal of Chemical Physics</i> , 2007, 126, 194306.	1.2	26
120	Laser Spectroscopic Investigation of Salicylic Acids Hydrogen Bonded with Water in Supersonic Jets: A Microsolvation Effects for Excited State Proton Dislocation. <i>Journal of Physical Chemistry A</i> , 2005, 109, 2498-2504.	1.1	25
121	Rydberg states ($n = 4 \leq 29$) of azabicyclo [2.2.2] octane as studied by two-color fluorescence DIP and multiphoton ionization spectroscopies. <i>Chemical Physics</i> , 1985, 99, 193-206.	0.9	24
122	Mass-selected two-color multiphoton ionization of the hydrogen-bonded complex phenol-trimethylamine: generation of the protonated ion trimethylammonium(1+). <i>The Journal of Physical Chemistry</i> , 1987, 91, 5242-5247.	2.9	24
123	Infrared spectroscopy of precursor clusters for nucleophilic substitution reactions: fluorobenzene-(CH ₃ OH) _n ($n = 1$ and 2). <i>Chemical Physics Letters</i> , 1996, 256, 1-7.	1.2	24
124	Infrared Spectroscopy of (Phenol) _n ⁺ ($n = 2 \sim 4$) and (Phenol \cdots Benzene) ⁺ Cluster Ions. <i>Journal of Physical Chemistry A</i> , 1997, 101, 1798-1803.	1.1	24
125	Two-color double resonance in the four-photon ionization of nitric oxide. <i>Chemical Physics Letters</i> , 1982, 89, 45-47.	1.2	23
126	Rotational analysis of $n = 4 \leq 7$ Rydberg states of CO observed by ion dip spectroscopy. <i>Journal of Chemical Physics</i> , 1993, 99, 9350-9365.	1.2	23

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127	Autoionization-detected infrared spectroscopy of jet-cooled aromatic cations in the gas phase: CH stretching vibrations of isolated p-ethylphenol cations. <i>Chemical Physics Letters</i> , 1999, 303, 289-294.	1.2	23
128	Size-Selected Infrared Predissociation Spectroscopy of Neutral and Cationic Formamide~Water Clusters: Stepwise Growth of Hydrated Structures and Intracluster Hydrogen Transfer Induced by Vacuum-Ultraviolet Photoionization. <i>Journal of Physical Chemistry A</i> , 2008, 112, 6840-6849.	1.1	23
129	Isomer-selective infrared spectroscopy of the cationic trimethylamine dimer to reveal its charge sharing and enhanced acidity of the methyl groups. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9619-9624.	1.3	23
130	Two-color multiphoton ionization spectra of jet-cooled p-difluorobenzene - s and d Rydberg states. <i>Chemical Physics Letters</i> , 1986, 127, 297-302.	1.2	22
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