

Naohiko Mikami

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Large Variation in Acidity of Diethyl Ether Cation Induced by Internal Rotation about a Single Covalent Bond. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4885-4890.	1.1	11
2	Photodetachment Spectroscopy of Fluorenone Radical Anions Microsolvated with Methanol: Rationalizing the Anomalous Solvatochromic Behavior Due to Hydrogen Bonding. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3721-3730.	1.1	2
3	Hyperconjugation in diethyl ether cation versus diethyl sulfide cation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23602-23612.	1.3	3
4	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
5	Experimental and theoretical investigations of isomerization reactions of ionized acetone and its dimer. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 712-719.	1.3	17
6	Solvation-Induced π -Complex Structure Formation in the Gas Phase: A Revisit to the Infrared Spectroscopy of $[\text{C}_6\text{H}_6\text{-(CH}_3)_2\text{OH}]_2^+$. <i>Journal of Physical Chemistry A</i> , 2011, 115, 11156-11161.	1.1	7
7	Experimental and theoretical determination of the accurate CH/π interaction energies in benzene-alkane clusters: correlation between interaction energy and polarizability. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14131.	1.3	52
8	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
9	Infrared Spectra and Hydrogen-Bonded Network Structures of Large Protonated Water Clusters $\text{H}_n^+(\text{H}_2\text{O})_n$ ($n=20-200$). <i>Angewandte Chemie - International Edition</i> , 2010, 49, 10119-10122.	7.2	93
10	Infrared and Electronic Spectroscopy of Benzene-Ammonia Cluster Radical Cations $[\text{C}_6\text{H}_6(\text{NH}_3)_{1,2}]^+$: Observation of Isolated and Microsolvated π -Complexes. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11060-11069.	1.1	19
11	Intermolecular proton-transfer in acetic acid clusters induced by vacuum-ultraviolet photoionization. <i>Journal of Chemical Physics</i> , 2009, 131, 184304.	1.2	22
12	Infrared spectroscopy for acetone and its dimer based on photoionization detection with tunable coherent vacuum-ultraviolet light. <i>Chemical Physics Letters</i> , 2009, 471, 50-53.	1.2	14
13	Interpreting the Physical Background of Empirical Solvent Polarity via Photodetachment Spectroscopy of Microsolvated Aromatic Ketyl Anions. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10593-10602.	1.1	6
14	Predissociation Mechanism and Dynamics of HCP. <i>Journal of Physical Chemistry A</i> , 2009, 113, 13081-13088.	1.1	5
15	Proton Switch Correlated with the Morphological Development of the Hydrogen-Bond Network in $\text{H}_n^+(\text{MeOH})_m(\text{H}_2\text{O})_1$ ($m=1-9$): A Theoretical and Infrared Spectroscopic Study. <i>Journal of Physical Chemistry A</i> , 2009, 113, 2323-2332.	1.1	11
16	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
17	Observation of an Isolated Intermediate of the Nucleophilic Aromatic Substitution Reaction by Infrared Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6008-6010.	7.2	20
18	Photoelectron spectroscopy of microsolvated benzophenone radical anions to reveal the origin of solvatochromic shifts in alcoholic media. <i>Chemical Physics Letters</i> , 2008, 457, 18-22.	1.2	9

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19	Experimental and theoretical determination of the accurate interaction energies in benzene-halomethane: the unique nature of the activated CH/Î interaction of haloalkanes. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 2836.	1.3	77
20	Infrared predissociation spectroscopy of cluster cations of protic molecules, (NH ₃) _n ⁺ , n=2-4 and (CH ₃ OH) _n ⁺ , n=2,3. <i>Journal of Chemical Physics</i> , 2008, 129, 094306.	1.2	34
21	Size-Selected Infrared Predissociation Spectroscopy of Neutral and Cationic Formamide-Water Clusters: Stepwise Growth of Hydrated Structures and Intracuster Hydrogen Transfer Induced by Vacuum-Ultraviolet Photoionization. <i>Journal of Physical Chemistry A</i> , 2008, 112, 6840-6849.	1.1	23
22	Solvent Reorientation Process in the Twisted-Intramolecular Charge-Transfer Process of Cyanophenylsilane (H ₂ O) ₂ Cluster Investigated by Transient Infrared Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2008, 112, 1168-1171.	1.1	7
23	Comprehensive Analysis of the Hydrogen Bond Network Morphology and OH Stretching Vibrations in Protonated Methanol-Water Mixed Clusters, H ⁺ (MeOH) ₁ (H ₂ O) _n (n = 1-8). <i>Journal of Physical Chemistry A</i> , 2008, 112, 10125-10133.	1.1	19
24	Relaxation dynamics of NH stretching vibrations of 2-aminopyridine and its dimer in a supersonic beam. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12690-12695.	3.3	33
25	Dynamics of hydrogen-bonded OH stretches as revealed by single-mode infrared-ultraviolet laser double resonance spectroscopy on supersonically cooled clusters of phenol. <i>Journal of Chemical Physics</i> , 2008, 129, 154308.	1.2	21
26	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
27	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
28	Stepwise Solvatochromism of Ketyl Anions in the Gas Phase: Photodetachment Excitation Spectroscopy of Benzophenone and Acetophenone Radical Anions Microsolvated with Methanol. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7646-7652.	1.1	8
29	Direct observation of the solvent reorientation dynamics in the twisted-intramolecular charge-transfer process of cyanophenylsilane-water cluster by transient infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 117-126.	1.3	13
30	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
31	Magnitude and Nature of Interactions in Benzene-X (X = Ethylene and Acetylene) in the Gas Phase: Significantly Different CH/Î 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
32	Stimulated Raman spectroscopy combined with vacuum ultraviolet photoionization: Application to jet-cooled methanol clusters as a new vibrational spectroscopic method for size-selected species in the gas phase. <i>Chemical Physics Letters</i> , 2007, 442, 217-219.	1.2	9
33	Origin of the Attraction in Aliphatic C-H/Î Interactions: 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
34	Electron localization in negatively charged formamide clusters studied by photodetachment spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 827-833.	1.3	17
35	Magnitude of the CH/Î Interaction in the Gas Phase: 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
36	Infrared Vibrational Autodetachment Spectroscopy of Microsolvated Benzonitrile Radical Anions. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13712-13716.	1.1	10

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37	Picosecond IR-UV Pump-Probe Study on the Vibrational Relaxation of Phenol-Ethylene Hydrogen-Bonded Cluster: A Difference of Relaxation Route/Rate between the Donor and the Acceptor Site Excitations. <i>Journal of Physical Chemistry A</i> , 2006, 110, 6250-6255.	1.1	14
38	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
39	Picosecond time-resolved study on the intramolecular vibrational energy redistribution of NH stretching vibration of jet-cooled aniline and its isotopomer. <i>Chemical Physics Letters</i> , 2006, 432, 421-425.	1.2	13
40	Infrared and Electronic Spectroscopy of a Model System for the Nucleophilic Substitution Intermediate in the Gas Phase: The C-N Valence Bond Formation in the Benzene-Ammonia Cluster Cation. <i>Journal of Physical Chemistry A</i> , 2006, 110, 6387-6390.	1.1	18
41	Complete infrared spectroscopic characterization of phenol-borane-trimethylamine dihydrogen-bonded complex in the gas phase. <i>Journal of Chemical Physics</i> , 2006, 124, 241103.	1.2	20
42	IR laser manipulation of cis-trans isomerization of 2-naphthol and its hydrogen-bonded clusters. <i>Journal of Chemical Physics</i> , 2006, 124, 054315.	1.2	12
43	Infrared predissociation spectroscopy of ammonia cluster cations (NH ₃) _n ⁺ (n=2-4) produced by vacuum-ultraviolet photoionization. <i>Journal of Chemical Physics</i> , 2006, 125, 164320.	1.2	15
44	Determination of the Equilibrium Structure of the Charge-transfer State of (p-Cyanophenyl)pentamethyldisilane by Means of Transient Infrared Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2005, 109, 8959-8961.	1.1	11
45	Electronic and Infrared Spectroscopy of [Benzene-(Methanol) _n] ⁺ (n=1-6). <i>Journal of Physical Chemistry A</i> , 2005, 109, 9471-9480.	1.1	13
46	Picosecond IR-UV pump-probe spectroscopic study on the intramolecular vibrational energy redistribution of NH ₂ and CH stretching vibrations of jet-cooled aniline. <i>Journal of Chemical Physics</i> , 2005, 123, 124316.	1.2	29
47	Morphology of Protonated Methanol Clusters: An Infrared Spectroscopic Study of Hydrogen Bond Networks of H ⁺ (CH ₃ OH) _n (n = 4-15). <i>Journal of Physical Chemistry A</i> , 2005, 109, 138-141.	1.1	51
48	First observation of a dihydrogen bond involving the Si-H group in phenol-diethylmethylsilane clusters by infrared-ultraviolet double-resonance spectroscopy. <i>Journal of Chemical Physics</i> , 2005, 123, 224309.	1.2	19
49	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
50	First observation of the B ¹ Σ ⁺ state of SiH ₂ and SiD ₂ radicals by optical-optical double resonance spectroscopy. <i>Journal of Chemical Physics</i> , 2005, 122, 154302.	1.2	10
51	Infrared Spectroscopic Evidence for Protonated Water Clusters Forming Nanoscale Cages.. <i>ChemInform</i> , 2004, 35, no.	0.1	3
52	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
53	Characteristic distributions of negatively charged N-monosubstituted amide clusters generated by electron attachment in supersonic expansions. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 2725.	1.3	8
54	Infrared Spectroscopic Evidence for Protonated Water Clusters Forming Nanoscale Cages. <i>Science</i> , 2004, 304, 1134-1137.	6.0	493

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55	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
56	Infrared Spectroscopy of Size-Selected Benzene \cdot Water Cluster Cations [C ₆ H ₆ \cdot (H ₂ O) _n] ⁺ (n = 1 \sim 23): Hydrogen Bond Network Evolution and Microscopic Hydrophobicity. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10656-10660.	1.1	55
57	A Molecular Cluster Study on Activated CH ₂ \cdot Interactions: Infrared Spectroscopy of Aromatic Molecule \cdot Acetylene Clusters. <i>Journal of Physical Chemistry A</i> , 2004, 108, 2652-2658.	1.1	67
58	Binding Energy of the Benzene \cdot Water Cluster Cation: An Ar-Mediated IR Photodissociation Study. <i>Journal of Physical Chemistry A</i> , 2004, 108, 8269-8272.	1.1	35
59	Picosecond IR \cdot UV pump \cdot probe spectroscopic study of the dynamics of the vibrational relaxation of jet-cooled phenol. II. Intracluster 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
60	Picosecond IR \cdot UV pump \cdot 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
61	First observation of ionic H \cdot hydrogen bonds; vibrational spectroscopy of dihydrated naphthalene anion (Nph \cdot (H ₂ O) ₂). <i>Chemical Physics Letters</i> , 2003, 370, 535-541.	1.2	16
62	Substitution effects on the excited-state intramolecular proton transfer of salicylic acid: an infrared spectroscopic study on the OH stretching vibrations of jet-cooled 5-methoxysalicylic acid. <i>Chemical Physics Letters</i> , 2003, 376, 788-793.	1.2	22
63	Spectroscopic Investigation on the Microscopic Solvation Effect on the Intramolecular Charge-Transfer Process of (p-Cyanophenyl)pentamethyldisilane in Supersonic Jets. <i>Journal of Physical Chemistry A</i> , 2003, 107, 10781-10786.	1.1	9
64	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
65	Infrared spectroscopy of hydrated benzene cluster cations, [C ₆ H ₆ \cdot (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
66	IR induced cis \rightarrow trans isomerization of 2-naphthol: Catalytic role of hydrogen-bond in the photoinduced isomerization. <i>Journal of Chemical Physics</i> , 2003, 119, 2947-2950.	1.2	15
67	Dihydrogen bonded phenol \cdot borane-dimethylamine complex: An experimental and theoretical study. <i>Journal of Chemical Physics</i> , 2002, 116, 6056-6063.	1.2	31
68	Intramolecular Charge-Transfer Process of Jet-Cooled (p-Cyanophenyl)pentamethyldisilane: Roles of the Torsional Motion and the Si \cdot Si Bond Change. <i>Journal of the American Chemical Society</i> , 2002, 124, 6220-6230.	6.6	22
69	An Infrared Study of H \cdot 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
70	Structure and Photoinduced Excited State Keto \cdot Enol Tautomerization of 7-Hydroxyquinoline-(CH ₃ OH) _n Clusters. <i>Journal of Physical Chemistry A</i> , 2002, 106, 5591-5599.	1.1	64
71	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
72	C \cdot 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

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73	Direct Observation of Weak Hydrogen Bonds in Microsolvated Phenol: Infrared Spectroscopy of OH Stretching Vibrations of Phenol \sim CO and $\hat{\alpha}$ \sim CO ₂ in S ₀ and D ₀ . Journal of Physical Chemistry A, 2002, 106, 10124-10129.	1.1	47
74	Stimulated Emission Pumping Spectroscopy of SiH ₂ : First Observation of the Spin $\hat{\alpha}$ Orbit Interaction between the X ₁ f ₁ A ₁ and the A $\hat{\alpha}$ 3B ₁ States. Journal of Molecular Spectroscopy, 2002, 216, 90-97.	0.4	12
75	Vibrational spectroscopic evidence of unconventional hydrogen bonds. International Journal of Mass Spectrometry, 2002, 220, 289-312.	0.7	51
76	Gas phase dihydrogen bonding: clusters of borane-amines with phenol and aniline. Chemical Physics, 2002, 283, 193-207.	0.9	34
77	Rotational analysis of jet-cooled phenylpentamethylsilane: vibronic interaction with the intramolecular charge-transfer state. Chemical Physics, 2002, 283, 379-388.	0.9	4
78	Fluorescence enhancement detected IR (FEDIR) spectroscopy: a new background free IR spectroscopic technique for highly fluorescent molecules. Chemical Physics Letters, 2002, 361, 453-456.	1.2	5
79	Picosecond IR $\hat{\alpha}$ UV Pump $\hat{\alpha}$ Probe Spectroscopy. IVR of OH Stretching Vibration of Phenol and Phenol Dimer. Journal of Physical Chemistry A, 2001, 105, 8623-8628.	1.1	63
80	Dehydrogenation Reaction from a Dihydrogen Bonded Precursor Complex in the Gas Phase. Journal of Physical Chemistry A, 2001, 105, 10753-10758.	1.1	20
81	Photofragment-Detected IR Spectroscopy (PFDIRS) for the OH Stretching Vibration of the Hydrogen-Bonded Clusters in the S ₁ StateApplication to 2-Naphthol-B (B = H ₂ O and CH ₃ OH) Clusters. Journal of Physical Chemistry A, 2001, 105, 5727-5730.	1.1	27
82	Infrared Spectroscopy of the OH Stretching Vibrations of Jet-Cooled Salicylic Acid and Its Dimer in S ₀ and S ₁ . Journal of Physical Chemistry A, 2001, 105, 10673-10680.	1.1	59
83	Infrared Photodissociation Spectroscopy of n-Propylbenzene $\hat{\alpha}$ Ar Cluster Cations: $\hat{\alpha}$ % Charge Delocalization between the Aromatic Ring and the Alkyl Chain. Journal of Physical Chemistry A, 2001, 105, 4882-4886.	1.1	9
84	IR $\hat{\alpha}$ UV Double-Resonance Spectroscopic Study of 2-Hydroxypyridine and Its Hydrogen-Bonded Clusters in Supersonic Jets. Journal of Physical Chemistry A, 2001, 105, 3475-3480.	1.1	51
85	Electronic and Vibrational Spectroscopy of Dihydrogen Bonded 2-Pyridone $\hat{\alpha}$ Borane $\hat{\alpha}$ Trimethylamine Complex in Supersonic Jets. Journal of Physical Chemistry A, 2001, 105, 8642-8645.	1.1	19
86	OH stretching vibrations and hydrogen-bonded structures of 7-hydroxyquinoline-(H ₂ O) ₁ $\hat{\alpha}$ 3 investigated by IR $\hat{\alpha}$ UV double-resonance spectroscopy. Chemical Physics Letters, 2001, 338, 52-60.	1.2	19
87	Infrared spectroscopy of the benzene $\hat{\alpha}$ H ₂ O cluster cation: experimental study on the drastic structural change upon photoionization. Chemical Physics Letters, 2001, 349, 431-436.	1.2	63
88	Mode dependent intracluster vibrational energy redistribution rate in size-selected benzonitrile $\hat{\alpha}$ (CHCl ₃) _{n=1} $\hat{\alpha}$ 3 clusters. Journal of Chemical Physics, 2001, 114, 7866-7876.	1.2	15
89	Predissociation of Rydberg states of CO investigated by the detection of atomic fragments. Journal of Chemical Physics, 2001, 114, 7886-7900.	1.2	14
90	Gas phase dihydrogen bonded phenol $\hat{\alpha}$ borane $\hat{\alpha}$ trimethylamine complex. Journal of Chemical Physics, 2001, 114, 8877-8879.	1.2	33

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91	Autoionization-Detected Infrared Spectroscopy of Jet-Cooled Naphthol Cations. <i>Journal of Physical Chemistry A</i> , 2000, 104, 7227-7232.	1.1	20
92	Vibrational spectra and relaxation of benzonitrile and its clusters using time-resolved stimulated Raman-UV double resonance spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2000, 31, 295-304.	1.2	18
93	Autoionization-detected infrared (ADIR) spectroscopy of molecular cations. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2000, 108, 21-30.	0.8	10
94	Vibrationally autoionizing Rydberg clusters: Spectroscopy and dynamics of pyrazine- Ar and Xe clusters. <i>Journal of Chemical Physics</i> , 2000, 113, 8000-8008.	1.2	7
95	Infrared spectroscopy of CH stretching vibrations of jet-cooled alkylbenzene cations by using the messenger -technique. <i>Journal of Chemical Physics</i> , 2000, 112, 6275-6284.	1.2	68
96	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
97	Evidence of a dihydrogen bond in gas phase: Phenol- $\text{borane-dimethylamine}$ complex. <i>Journal of Chemical Physics</i> , 2000, 113, 9885-9888.	1.2	45
98	Autoionization-detected infrared spectroscopy of intramolecular hydrogen bonds in aromatic cations. II. Unconventional intramolecular hydrogen bonds. <i>Journal of Chemical Physics</i> , 2000, 112, 137-148.	1.2	31
99	Vibrational Spectroscopy for Size-Selected Fluorene- $(\text{H}_2\text{O})_{n=1,2}$ Clusters in Supersonic Jets. <i>Journal of Physical Chemistry A</i> , 2000, 104, 11891-11896.	1.1	13
100	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
101	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
102	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
103	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
104	Structures and the vibrational relaxations of size-selected benzonitrile- $(\text{H}_2\text{O})_{n=1-3}$ and $(\text{CH}_3\text{OH})_{n=1-3}$ clusters studied by fluorescence detected Raman and infrared spectroscopies. <i>Journal of Chemical Physics</i> , 1999, 110, 9504-9515.	1.2	73
105	Autoionization-detected infrared spectroscopy of jet-cooled aromatic cations in the gas phase: CH stretching vibrations of isolated <i>p</i> -ethylphenol cations. <i>Chemical Physics Letters</i> , 1999, 303, 289-294.	1.2	23
106	Observation of the $\hat{1}/2\text{CH}$ Excited Vibrational Levels in the $\hat{1}A^3$ State of HCP by IR-UV Double Resonance Spectroscopy. <i>Journal of Molecular Spectroscopy</i> , 1999, 194, 52-60.	0.4	9
107	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
108	Discrimination of Rotamers of Aryl Alcohol Homologues by Infrared-Ultraviolet Double-Resonance Spectroscopy in a Supersonic Jet. <i>Journal of the American Chemical Society</i> , 1999, 121, 5705-5711.	6.6	68

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109	Intracluster Ion-Molecule Reactions of Dimer Cations of Phenylsilanes. <i>Journal of Physical Chemistry A</i> , 1999, 103, 2007-2012.	1.1	5
110	Observation of the Highly Excited Vibrational Levels of HCP: Application of IR-UV-SEP Triple Resonance Spectroscopy. <i>Chemistry Letters</i> , 1999, 28, 941-942.	0.7	3
111	Mode-dependent anharmonic coupling between OH stretching and intermolecular vibrations of the hydrogen-bonded clusters of phenol. <i>Chemical Physics</i> , 1998, 231, 199-204.	0.9	16
112	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
113	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
114	A New Type of Intramolecular Hydrogen Bonding: Hydroxyl-Methyl Interactions in the <i>ortho</i> -Cresol Cation. <i>Journal of the American Chemical Society</i> , 1998, 120, 13256-13257.	6.6	30
115	Discrimination of <i>s-cis/s-trans</i> conformers of jet-cooled methyl cinnamate by population labelling spectroscopy. <i>Research on Chemical Intermediates</i> , 1998, 24, 803-812.	1.3	6
116	Characterizations of the hydrogen-bond structures of 2-naphthol-(H ₂ O) _n (n=3 and 5) clusters by infrared-ultraviolet double-resonance spectroscopy. <i>Journal of Chemical Physics</i> , 1998, 109, 6303-6311.	1.2	75
117	Predissociation of the Rydberg states of CO: State specific predissociation to the triplet channel. <i>Journal of Chemical Physics</i> , 1998, 108, 1765-1768.	1.2	16
118	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
119	Spectroscopic investigation of the generation of isomerization states: Eigenvector analysis of the bend-CP stretch polyad. <i>Journal of Chemical Physics</i> , 1998, 109, 492-503.	1.2	37
120	Microscopic Solvation Effects on Si-Si Bond Cleavage Reactions of Cluster Cation Radicals of (p-Cyanophenyl)pentamethyldisilane with Hydroxylic Molecules. <i>Chemistry Letters</i> , 1998, 27, 415-416.	0.7	0
121	Observation of the isomerization 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
122	Degenerate four-wave mixing and photofragment yield spectroscopic study of jet-cooled SO ₂ in the Clf ¹ B ₂ state: Internal conversion followed by dissociation in the Xlf state. <i>Journal of Chemical Physics</i> , 1997, 107, 8752-8758.	1.2	46
123	Ionization detected vibrational spectroscopy of size-selected hydrogen-bonding clusters of phenol. , 1997, , .		0
124	Observation of Intramolecular Hydrogen Bonds of <i>ortho</i> -Fluorophenol Ions by Using Autoionization Detected Infrared Spectroscopy. <i>Chemistry Letters</i> , 1997, 26, 1099-1100.	0.7	15
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