

Takayuki Ebata

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Infrared vacuum ultraviolet spectroscopy of the C-H stretching vibrations of jet-cooled aromatic azine molecules and the anharmonic analysis. <i>Journal of the Chinese Chemical Society</i> , 2022, 69, 160-172.	1.4	3
2	New aspect of photophysics of 7,7,8,8-tetracyanoquinodimethane and its solvated complexes: intra- vs. inter-molecular charge-transfer. <i>RSC Advances</i> , 2021, 11, 22381-22389.	3.6	1
3	Vacuum Ultraviolet Photoionization Induced Proton Migration and Formation of a New C-N Bond in Pyridine Clusters Revealed by Infrared Spectroscopy and Mass Spectrometry. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4936-4943.	4.6	14
4	Structures of Pyridine-Water Clusters Studied with Infrared Vacuum Ultraviolet Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7489-7501.	2.5	8
5	Substitution effect on the nonradiative decay and trans-cis photoisomerization route: a guideline to develop efficient cinnamate-based sunscreens. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 834-845.	2.8	13
6	Conformation of K ⁺ (Crown Ether) Complexes Revealed by Ion Mobility-Mass Spectrometry and Ultraviolet Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9980-9990.	2.5	17
7	IR-VUV spectroscopy of pyridine dimers, trimers and pyridine-ammonia complexes in a supersonic jet. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21520-21534.	2.8	26
8	Electronic States and Nonradiative Decay of Cold Gas-Phase Cinnamic Acid Derivatives Studied by Laser Spectroscopy with a Laser-Ablation Technique. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5580-5589.	2.5	9
9	Electronic State and Photophysics of 2-Ethylhexyl-4-methoxycinnamate as UVA-B Sunscreen under Jet-Cooled Condition. <i>Journal of Physical Chemistry A</i> , 2020, 124, 1272-1278.	2.5	11
10	Experimental Methods: Generation of Cold Gas-Phase Molecules, Molecular Ions, Their Clusters, Metal Clusters, and Laser Spectroscopy. , 2019, , 3-32.		1
11	Time-Resolved Study on Vibrational Energy Relaxation of Aromatic Molecules and Their Clusters in the Gas Phase. , 2019, , 257-286.		0
12	UV and IR Spectroscopy of Transition Metal-Crown Ether Complexes in the Gas Phase: Mn ²⁺ (benzo-15-crown-5)(H ₂ O) ₂ . <i>Journal of Physical Chemistry A</i> , 2019, 123, 6781-6786.	2.5	12
13	Conformation of alkali metal ion-calix[4]arene complexes investigated by IR spectroscopy in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17082-17086.	2.8	6
14	Geometric and Electronic Structures of Ag ⁺ (benzo-18-crown-6), Ag ⁺ (dibenzo-18-crown-6), and Ag ⁺ (dibenzo-15-crown-5) Complexes Investigated by Cold Gas-Phase Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9185-9192.	2.5	3
15	The direct observation of the doorway ¹ π* state of methylcinnamate and hydrogen-bonding effects on the photochemistry of cinnamate-based sunscreens. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19755-19763.	2.8	18
16	Laser Spectroscopy and Lifetime Measurements of the S ₁ State of Tetracyanoquinodimethane (TCNQ) in a Cold Gas-Phase Free Jet. <i>ChemPhysChem</i> , 2019, 20, 995-995.	2.1	0
17	Laser Spectroscopy and Lifetime Measurements of the S ₁ State of Tetracyanoquinodimethane (TCNQ) in a Cold Gas-Phase Free Jet. <i>ChemPhysChem</i> , 2019, 20, 996-1000.	2.1	9
18	Microscopic Study on Molecular Recognition of Host-Guest Complexes Between Crown Ethers and Aromatic Molecules. , 2019, , 35-62.		0

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19	Different photoisomerization routes found in the structural isomers of hydroxy methylcinnamate. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17583-17598.	2.8	20
20	Selective Probing of Potassium Ion in Solution by Intramolecular Excimer Fluorescence of Dibenzo-18-Crown Ethers. <i>ChemPhysChem</i> , 2018, 19, 1331-1335.	2.1	10
21	Microhydration of Dibenzo-18-Crown-6 Complexes with K ⁺ , Rb ⁺ , and Cs ⁺ Investigated by Cold UV and IR Spectroscopy in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2018, 122, 3754-3763.	2.5	6
22	Pseudorotaxanes in the gas phase: structure and energetics of protonated dibenzylamine-18-crown ether complexes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18678-18687.	2.8	3
23	Laser spectroscopic study on sinapic acid and its hydrated complex in a cold gas phase molecular beam. <i>Chemical Physics</i> , 2018, 515, 381-386.	1.9	10
24	Geometric and Electronic Structures of Dibenzo-15-Crown-5 Complexes with Alkali Metal Ions Studied by UV Photodissociation and UV Hole-Burning Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2017, 121, 954-962.	2.5	14
25	Electronic structure and conformational conversion of calix[4]arene complexes with alkali metal ions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12857-12867.	2.8	5
26	UV and IR Spectroscopy of Cryogenically Cooled, Lanthanide-Containing Ions in the Gas Phase. <i>Inorganic Chemistry</i> , 2017, 56, 277-281.	4.0	3
27	Laser Spectroscopic Study of Cold Gas-Phase Host-Guest Complexes of Crown Ethers. <i>Chemical Record</i> , 2016, 16, 1034-1053.	5.8	6
28	Conformation of Alkali Metal Ion-18-Crown-4 Complexes Investigated by UV Photodissociation and UV Hole-Burning Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6394-6401.	2.5	25
29	Multistep Intersystem Crossing Pathways in Cinnamate-Based UV-B Sunscreens. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4001-4007.	4.6	33
30	Cage effects on conformational preference and photophysics in the host-guest complex of benzenediols with 18-Crown-6. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8027-8038.	2.8	10
31	UV and IR Spectroscopy of Cold H ₂ O ⁺ -18-Crown Ether Complexes. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11113-11118.	2.5	10
32	Ultraviolet Photodissociation Spectroscopy of the Cold K ⁺ -Calix[4]arene Complex in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2015, 119, 8512-8518.	2.5	32
33	IR photodissociation spectroscopy of (OCS) _n ⁺ and (OCS) _n ⁺ cluster ions: Similarity and dissimilarity in the structure of CO ₂ , OCS, and CS ₂ cluster ions. <i>Journal of Chemical Physics</i> , 2015, 142, 214306.	3.0	5
34	Solvent Effects on the Encapsulation of Divalent Ions by Benzo-18-Crown-6 and Benzo-15-Crown-5. <i>Journal of Physical Chemistry A</i> , 2015, 119, 8097-8105.	2.5	23
35	UV photodissociation spectroscopy of cryogenically cooled gas phase host-guest complex ions of crown ethers. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25925-25934.	2.8	11
36	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.	2.5	2

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37	Direct Spectroscopic Evidence of Photoisomerization in <i>para</i> -Methoxy Methylcinnamate Revealed by Low-Temperature Matrix-Isolation FTIR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1134-1139.	4.6	30
38	New insights into metal ion-crown ether complexes revealed by SEIRA spectroscopy. <i>New Journal of Chemistry</i> , 2015, 39, 8673-8680.	2.8	25
39	Anomalous Cage Effect of the Excited State Dynamics of Catechol in the 18-Crown-6-Catechol Host-Guest Complex. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2557-2565.	2.6	21
40	Experimental and theoretical study on the excited-state dynamics of ortho-, meta-, and para-methoxy methylcinnamate. <i>Journal of Chemical Physics</i> , 2014, 141, 244313.	3.0	36
41	Formation of host-guest complexes on gold surface investigated by surface-enhanced IR absorption spectroscopy. <i>Chemical Physics Letters</i> , 2014, 592, 90-95.	2.6	6
42	Microhydration Effects on the Encapsulation of Potassium Ion by Dibenzo-18-Crown-6. <i>Journal of the American Chemical Society</i> , 2014, 136, 1815-1824.	13.7	46
43	Development of Ultraviolet-Ultraviolet Hole-Burning Spectroscopy for Cold Gas-Phase Ions. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1236-1240.	4.6	43
44	Laser Spectroscopic Study of Cold Host-Guest Complexes of Crown Ethers in the Gas Phase. <i>ChemPhysChem</i> , 2013, 14, 649-660.	2.1	28
45	Study on vibrational relaxation dynamics of phenol-water complex by picosecond time-resolved IR-UV pump-probe spectroscopy in a supersonic molecular beam. <i>Chemical Physics</i> , 2013, 419, 205-211.	1.9	11
46	Structure and Hydrogen-Bonding Ability of Estrogens Studied in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13543-13555.	2.5	9
47	Nonradiative decay dynamics of methyl-4-hydroxycinnamate and its hydrated complex revealed by picosecond pump-probe spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8999.	2.8	24
48	UV and IR spectroscopy of cold 1,2-dimethoxybenzene complexes with alkali metal ions. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4457.	2.8	14
49	Laser Spectroscopic Study of \hat{I}^2 -Estradiol and Its Monohydrated Clusters in a Supersonic Jet. <i>Journal of Physical Chemistry A</i> , 2012, 116, 8201-8208.	2.5	10
50	Vibrational energy relaxation of benzene dimer and trimer in the CH stretching region studied by picosecond time-resolved IR-UV pump-probe spectroscopy. <i>Journal of Chemical Physics</i> , 2012, 136, 044304.	3.0	16
51	Ion Selectivity of Crown Ethers Investigated by UV and IR Spectroscopy in a Cold Ion Trap. <i>Journal of Physical Chemistry A</i> , 2012, 116, 4057-4068.	2.5	65
52	Vibrational Spectroscopy of Gas Phase Functional Molecules and Their Complexes Cooled in Supersonic Beams. , 2012, , .		2
53	Structures of (3-Crown) n -Phenol ($n = 4, 5, 6, 8$) Host-Guest Complexes: Formation of a Uniquely Stable Complex for $n = 6$ via Collective Intermolecular Interaction. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1414-1420.	4.6	19
54	Laser Spectroscopic Study of Encapsulation Complexes in the Gas Phase. <i>Molecular Science</i> , 2012, 6, A0051.	0.2	0

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55	Laser Spectroscopic and Theoretical Studies of Encapsulation Complexes of Calix[4]arene. Journal of Physical Chemistry A, 2011, 115, 10846-10853.	2.5	20
56	Structure of host-guest complexes between dibenzo-18-crown-6 and water, ammonia, methanol, and acetylene: Evidence of molecular recognition on the complexation. Physical Chemistry Chemical Physics, 2011, 13, 6827.	2.8	22
57	UV and IR Spectroscopic Studies of Cold Alkali Metal Ion-Crown Ether Complexes in the Gas Phase. Journal of the American Chemical Society, 2011, 133, 12256-12263.	13.7	90
58	Remarkable Site Difference of Vibrational Energy Relaxation in Benzene Dimer: Picosecond Time-Resolved IR-UV Pump-Probe Spectroscopy. Angewandte Chemie - International Edition, 2010, 49, 6989-6992.	13.8	7
59	Structures and Encapsulation Motifs of Functional Molecules Probed by Laser Spectroscopic and Theoretical Methods. Sensors, 2010, 10, 3519-3548.	3.8	16
60	Formation of Semi-Covalent Bond in $[(N_2)_2O]_n^+$ ($n = 2-7$) Cluster Ions Studied by IR Spectroscopy. Journal of Physical Chemistry A, 2010, 114, 11037-11042.	2.5	5
61	Structure of the Calix[4]arene-(H ₂ O) Cluster: The World's Smallest Cup of Water. Journal of Physical Chemistry A, 2010, 114, 2967-2972.	2.5	38
62	Laser spectroscopic study on (dibenzo-24-crown-8-ether)-water and -methanol complexes in supersonic jets. Physical Chemistry Chemical Physics, 2010, 12, 3559.	2.8	20
63	Encapsulation of Arn complexes by calix[4]arene: endo- vs. exo-complexes. Physical Chemistry Chemical Physics, 2010, 12, 4569.	2.8	12
64	Ion core structure in $(N_2O)_n^+$ ($n=2-8$) studied by infrared photodissociation spectroscopy. Journal of Chemical Physics, 2009, 131, 044325.	3.0	7
65	Structures of water-CO ₂ and methanol-CO ₂ cluster ions: $[H_2O \cdots (CO_2)_n]^+$ and $[CH_3OH \cdots (CO_2)_n]^+$ ($n=1-7$). Journal of Chemical Physics, 2009, 130, 154304.	3.0	15
66	Water-mediated conformer optimization in benzo-18-crown-6-ether/water system. Physical Chemistry Chemical Physics, 2009, 11, 9132.	2.8	36
67	Study on the Structure and Vibrational Dynamics of Functional Molecules and Molecular Clusters by Double Resonance Vibrational Spectroscopy. Bulletin of the Chemical Society of Japan, 2009, 82, 127-151.	3.2	33
68	Structure of hydrated clusters of dibenzo-18-crown-6-ether in a supersonic jet-encapsulation of water molecules in the crown cavity. Physical Chemistry Chemical Physics, 2008, 10, 6238.	2.8	53
69	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.	7.1	33
70	An IR study of $(CO_2)_n^+$ ($n=3-8$) cluster ions in the 1000-3800 cm ⁻¹ region. Journal of Chemical Physics, 2008, 129, 044308.	3.0	10
71	Ion core structure in $(CS_2)_n^+$ and $(CS_2)_n^+$ ($n=3-10$) studied by infrared photodissociation spectroscopy. Journal of Chemical Physics, 2008, 128, 164319.	3.0	35
72	Electronic spectra of jet-cooled calix[4]arene and its van der Waals clusters: Encapsulation of a neutral atom in a molecular bowl. Journal of Chemical Physics, 2007, 126, 141101.	3.0	16

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73	Conformation of l-Tyrosine Studied by Fluorescence-Detected UV ² UV and IR ² UV Double-Resonance Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2007, 111, 3209-3215.	2.5	73
74	Picosecond IR-UV pump-probe spectroscopic study on the vibrational energy flow in isolated molecules and clusters. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 1170-1185.	2.8	50
75	Laser spectroscopic study on the conformations and the hydrated structures of benzo-18-crown-6-ether and dibenzo-18-crown-6-ether in supersonic jets. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 4452.	2.8	49
76	Hydration profiles of aromatic amino acids: conformations and vibrations of l-phenylalanine-(H ₂ O) _n clusters. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4783-4791.	2.8	57
77	Picosecond IR ² 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.	2.5	14
78	Anomalous conformer dependent S ₁ lifetime of l-phenylalanine. <i>Chemical Physics Letters</i> , 2006, 421, 227-231.	2.6	45
79	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.	2.6	13
80	IR laser manipulation of cis ² trans isomerization of 2-naphthol and its hydrogen-bonded clusters. <i>Journal of Chemical Physics</i> , 2006, 124, 054315.	3.0	12
81	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.	3.0	29
82	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.	2.5	25
83	Infrared Spectroscopic Evidence for Protonated Water Clusters Forming Nanoscale Cages. <i>ChemInform</i> , 2004, 35, no.	0.0	3
84	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 intracuster proton transfer reactions. <i>Chemical Physics Letters</i> , 2004, 399, 412-416.	2.6	35
85	Infrared Spectroscopic Evidence for Protonated Water Clusters Forming Nanoscale Cages. <i>Science</i> , 2004, 304, 1134-1137.	12.6	493
86	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.	3.0	38
87	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.	2.5	55
88	A Molecular Cluster Study on Activated CH ₂ Interactions: Infrared Spectroscopy of Aromatic Molecule-Acetylene Clusters. <i>Journal of Physical Chemistry A</i> , 2004, 108, 2652-2658.	2.5	67
89	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.	3.0	43
90	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.	3.0	48

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91	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.	2.6	22
92	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.	2.5	48
93	Infrared spectroscopy of hydrated benzene cluster cations, $[C_6H_6-(H_2O)_n]^+$ ($n=1-6$): Structural changes upon photoionization and proton transfer reactions. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 1137-1148.	2.8	79
94	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.	3.0	15
95	Dihydrogen bonded phenol \cdots borane-dimethylamine complex: An experimental and theoretical study. <i>Journal of Chemical Physics</i> , 2002, 116, 6056-6063.	3.0	31
96	An Infrared Study of δ -Hydrogen Bonds in Micro-solvated Phenol: OH Stretching Vibrations of Phenol \cdots 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.	2.5	76
97	Structure and Photoinduced Excited State Keto \rightleftharpoons Enol Tautomerization of 7-Hydroxyquinoline-(CH ₃ OH) _n Clusters. <i>Journal of Physical Chemistry A</i> , 2002, 106, 5591-5599.	2.5	64
98	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.	2.5	57
99	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.	2.8	34
100	Direct Observation of Weak Hydrogen Bonds in Microsolvated Phenol: Infrared Spectroscopy of OH Stretching Vibrations of Phenol \cdots CO and \cdots CO ₂ in S ₀ and D ₀ . <i>Journal of Physical Chemistry A</i> , 2002, 106, 10124-10129.	2.5	47
101	Vibrational spectroscopic evidence of unconventional hydrogen bonds. <i>International Journal of Mass Spectrometry</i> , 2002, 220, 289-312.	1.5	51
102	Gas phase dihydrogen bonding: clusters of borane-amines with phenol and aniline. <i>Chemical Physics</i> , 2002, 283, 193-207.	1.9	34
103	Fluorescence enhancement detected IR (FEDIR) spectroscopy: a new background free IR spectroscopic technique for highly fluorescent molecules. <i>Chemical Physics Letters</i> , 2002, 361, 453-456.	2.6	5
104	Picosecond IR \rightarrow UV Pump \rightarrow Probe Spectroscopy. IVR of OH Stretching Vibration of Phenol and Phenol Dimer. <i>Journal of Physical Chemistry A</i> , 2001, 105, 8623-8628.	2.5	63
105	Dehydrogenation Reaction from a Dihydrogen Bonded Precursor Complex in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2001, 105, 10753-10758.	2.5	20
106	Photofragment-Detected IR Spectroscopy (PFDIRS) for the OH Stretching Vibration of the Hydrogen-Bonded Clusters in the S ₁ 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.	2.5	27
107	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.	2.5	59
108	Infrared Photodissociation Spectroscopy of n-Propylbenzene \cdots Ar Cluster Cations: Charge Delocalization between the Aromatic Ring and the Alkyl Chain. <i>Journal of Physical Chemistry A</i> , 2001, 105, 4882-4886.	2.5	9

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109	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.	2.5	51
110	Electronic and Vibrational Spectroscopy of Dihydrogen Bonded 2-Pyridone [∞] Borane [∞] Trimethylamine Complex in Supersonic Jets. <i>Journal of Physical Chemistry A</i> , 2001, 105, 8642-8645.	2.5	19
111	OH stretching vibrations and hydrogen-bonded structures of 7-hydroxyquinoline-(H ₂ O) ₁₋₃ investigated by IR [∞] UV double-resonance spectroscopy. <i>Chemical Physics Letters</i> , 2001, 338, 52-60.	2.6	19
112	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.	2.6	63
113	Mode dependent intracluster vibrational energy redistribution rate in size-selected benzonitrile [∞] (CHCl ₃) _{n=1-3} clusters. <i>Journal of Chemical Physics</i> , 2001, 114, 7866-7876.	3.0	15
114	Predissociation of Rydberg states of CO investigated by the detection of atomic fragments. <i>Journal of Chemical Physics</i> , 2001, 114, 7886-7900.	3.0	14
115	Gas phase dihydrogen bonded phenol [∞] borane [∞] trimethylamine complex. <i>Journal of Chemical Physics</i> , 2001, 114, 8877-8879.	3.0	33
116	Autoionization-Detected Infrared Spectroscopy of Jet-Cooled Naphthol Cations. <i>Journal of Physical Chemistry A</i> , 2000, 104, 7227-7232.	2.5	20
117	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.	2.5	18
118	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.	3.0	68
119	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.	3.0	74
120	Evidence of a dihydrogen bond in gas phase: Phenol [∞] borane-dimethylamine complex. <i>Journal of Chemical Physics</i> , 2000, 113, 9885-9888.	3.0	45
121	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.	3.0	31
122	Vibrational Spectroscopy for Size-Selected Fluorene [∞] (H ₂ O) _{n=1,2} Clusters in Supersonic Jets. <i>Journal of Physical Chemistry A</i> , 2000, 104, 11891-11896.	2.5	13
123	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.	2.5	50
124	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.	3.0	53
125	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.	3.0	61
126	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.	3.0	150

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127	Structures and the vibrational relaxations of size-selected benzonitrile-(H ₂ O) _{n=1-3} and -(CH ₃ OH) _{n=1-3} clusters studied by fluorescence detected Raman and infrared spectroscopies. Journal of Chemical Physics, 1999, 110, 9504-9515.	3.0	73
128	Autoionization-detected infrared spectroscopy of jet-cooled aromatic cations in the gas phase: CH stretching vibrations of isolated p-ethylphenol cations. Chemical Physics Letters, 1999, 303, 289-294.	2.6	23
129	Autoionization-detected infrared spectroscopy of intramolecular hydrogen bonds in aromatic cations. I. Principle and application to fluorophenol and methoxyphenol. Journal of Chemical Physics, 1999, 110, 4238-4247.	3.0	69
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