

# Takayuki Ebata

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189  
papers

6,776  
citations

47  
h-index

71  
g-index

194  
ext. papers

7,083  
ext. citations

3.9  
avg, IF

5.57  
L-index

#	Paper	IF	Citations
189	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> , <b>2021</b> , 12, 4936-4943	6.4	1
188	New aspect of photophysics of 7,7,8,8-tetracyanoquinodimethane and its solvated complexes: intra- inter-molecular charge-transfer.. <i>RSC Advances</i> , <b>2021</b> , 11, 22381-22389	3.7	
187	Structures of Pyridine-Water Clusters Studied with Infrared-Vacuum Ultraviolet Spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 7489-7501	2.8	0
186	Substitution effect on the nonradiative decay and photoisomerization route: a guideline to develop efficient cinnamate-based sunscreens. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 834-845	3.6	3
185	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> , <b>2020</b> , 124, 5580-5589	2.8	4
184	Electronic State and Photophysics of 2-Ethylhexyl-4-methoxycinnamate as UV-B Sunscreen under Jet-Cooled Condition. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 1272-1278	2.8	6
183	Conformation of K(Crown Ether) Complexes Revealed by Ion Mobility-Mass Spectrometry and Ultraviolet Spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 9980-9990	2.8	8
182	IR-VUV spectroscopy of pyridine dimers, trimers and pyridine-ammonia complexes in a supersonic jet. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 21520-21534	3.6	14
181	The direct observation of the doorway nπ* state of methylcinnamate and hydrogen-bonding effects on the photochemistry of cinnamate-based sunscreens. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 19755-19763	3.6	12
180	Laser Spectroscopy and Lifetime Measurements of the S1 State of Tetracyanoquinodimethane (TCNQ) in a Cold Gas-Phase Free-Jet. <i>ChemPhysChem</i> , <b>2019</b> , 20, 995-995	3.2	
179	Laser Spectroscopy and Lifetime Measurements of the S State of Tetracyanoquinodimethane (TCNQ) in a Cold Gas-Phase Free-Jet. <i>ChemPhysChem</i> , <b>2019</b> , 20, 996-1000	3.2	5
178	Experimental Methods: Generation of Cold Gas-Phase Molecules, Molecular Ions, Their Clusters, Metal Clusters, and Laser Spectroscopy <b>2019</b> , 3-32		1
177	Time-Resolved Study on Vibrational Energy Relaxation of Aromatic Molecules and Their Clusters in the Gas Phase <b>2019</b> , 257-286		
176	UV and IR Spectroscopy of Transition Metal-Crown Ether Complexes in the Gas Phase: Mn(benzo-15-crown-5)(HO). <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 6781-6786	2.8	8
175	Conformation of alkali metal ion-calix[4]arene complexes investigated by IR spectroscopy in the gas phase. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 17082-17086	3.6	5
174	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> , <b>2019</b> , 123, 9185-9192	2.8	2
173	Microscopic Study on Molecular Recognition of Host-Guest Complexes Between Crown Ethers and Aromatic Molecules <b>2019</b> , 35-62		

172	Different photoisomerization routes found in the structural isomers of hydroxy methylcinnamate. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 17583-17598	3.6	16
171	Selective Probing of Potassium Ion in Solution by Intramolecular Excimer Fluorescence of Dibenzo-Crown Ethers. <i>ChemPhysChem</i> , <b>2018</b> , 19, 1331-1335	3.2	8
170	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> , <b>2018</b> , 122, 3754-3763	2.8	4
169	Laser spectroscopic study on sinapic acid and its hydrated complex in a cold gas phase molecular beam. <i>Chemical Physics</i> , <b>2018</b> , 515, 381-386	2.3	8
168	Pseudorotaxanes in the gas phase: structure and energetics of protonated dibenzylamine-crown ether complexes. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 18678-18687	3.6	3
167	Geometric and Electronic Structures of Dibenzo-15-Crown-5 Complexes with Alkali Metal Ions Studied by UV Photodissociation and UV-UV Hole-Burning Spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 954-962	2.8	13
166	Electronic structure and conformational conversion of calix[4]arene complexes with alkali metal ions. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 12857-12867	3.6	4
165	UV and IR Spectroscopy of Cryogenically Cooled, Lanthanide-Containing Ions in the Gas Phase. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 277-281	5.1	2
164	Conformation of Alkali Metal Ion-Benzo-12-Crown-4 Complexes Investigated by UV Photodissociation and UV-UV Hole-Burning Spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 6394-401	2.8	21
163	Multistep Intersystem Crossing Pathways in Cinnamate-Based UV-B Sunscreens. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 4001-4007	6.4	27
162	Cage effects on conformational preference and photophysics in the host-guest complex of benzenediols with 18-Crown-6. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 8027-38	3.6	8
161	Laser Spectroscopic Study of Cold Gas-Phase Host-Guest Complexes of Crown Ethers. <i>Chemical Record</i> , <b>2016</b> , 16, 1034-53	6.6	6
160	Ultraviolet Photodissociation Spectroscopy of the Cold K+[Calix[4]arene Complex in the Gas Phase. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 8512-8	2.8	23
159	IR photodissociation spectroscopy of (OCS) <sub>n</sub> (+) and (OCS) <sub>n</sub> (-) cluster ions: Similarity and dissimilarity in the structure of CO <sub>2</sub> , OCS, and CS <sub>2</sub> cluster ions. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 214306	3.9	4
158	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> , <b>2015</b> , 119, 8097-105	2.8	19
157	UV photodissociation spectroscopy of cryogenically cooled gas phase host-guest complex ions of crown ethers. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 25925-34	3.6	10
156	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> , <b>2015</b> , 119, 3721-30	2.8	1
155	Direct Spectroscopic Evidence of Photoisomerization in para-Methoxy Methylcinnamate Revealed by Low-Temperature Matrix-Isolation FTIR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 1134-9	6.4	26

154	New insights into metal ion-crown ether complexes revealed by SEIRA spectroscopy. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 8673-8680	3.6	19
153	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> , <b>2015</b> , 119, 2557-65	3.4	19
152	UV and IR Spectroscopy of Cold H <sub>2</sub> O(+)-Benzo-Crown Ether Complexes. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 11113-8	2.8	9
151	Formation of host-guest complexes on gold surface investigated by surface-enhanced IR absorption spectroscopy. <i>Chemical Physics Letters</i> , <b>2014</b> , 592, 90-95	2.5	5
150	Microhydration effects on the encapsulation of potassium ion by dibenzo-18-crown-6. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1815-24	16.4	37
149	Development of Ultraviolet-Ultraviolet Hole-Burning Spectroscopy for Cold Gas-Phase Ions. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 1236-40	6.4	39
148	Experimental and theoretical study on the excited-state dynamics of ortho-, meta-, and para-methoxy methylcinnamate. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 244313	3.9	32
147	Laser spectroscopic study of cold host-guest complexes of crown ethers in the gas phase. <i>ChemPhysChem</i> , <b>2013</b> , 14, 649-60	3.2	25
146	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> , <b>2013</b> , 419, 205-211	2.3	10
145	Structure and hydrogen-bonding ability of estrogens studied in the gas phase. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 13543-55	2.8	6
144	Microhydration Effects on the Intermediates of the S <sub>N</sub> 2 Reaction of Iodide Anion with Methyl iodide. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 4476-4479	3.6	5
143	Nonradiative decay dynamics of methyl-4-hydroxycinnamate and its hydrated complex revealed by picosecond pump-probe spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 8999-9005	3.6	20
142	UV and IR spectroscopy of cold 1,2-dimethoxybenzene complexes with alkali metal ions. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 4457-62	3.6	12
141	Laser spectroscopic study of Estradiol and its monohydrated clusters in a supersonic jet. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 8201-8	2.8	8
140	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> , <b>2012</b> , 136, 044304	3.9	15
139	Ion selectivity of crown ethers investigated by UV and IR spectroscopy in a cold ion trap. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 4057-68	2.8	59
138	Vibrational Spectroscopy of Gas Phase Functional Molecules and Their Complexes Cooled in Supersonic Beams <b>2012</b> ,		2
137	Structures of (3n-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> , <b>2012</b> , 3, 1414-20	6.4	18

136	Laser Spectroscopic Study of Encapsulation Complexes in the Gas Phase. <i>Molecular Science</i> , <b>2012</b> , 6, A0051		
135	Structure of host-guest complexes between dibenzo-18-crown-6 and water, ammonia, methanol, and acetylene: evidence of molecular recognition on the complexation. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 6827-36	3.6	21
134	UV and IR spectroscopic studies of cold alkali metal ion-crown ether complexes in the gas phase. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 12256-63	16.4	80
133	Laser spectroscopic and theoretical studies of encapsulation complexes of calix[4]arene. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 10846-53	2.8	16
132	Structures and encapsulation motifs of functional molecules probed by laser spectroscopic and theoretical methods. <i>Sensors</i> , <b>2010</b> , 10, 3519-48	3.8	15
131	Formation of semi-covalent bond in [(N(2)O)(n)H(2)O] <sup>+</sup> (n = 2-7) cluster ions studied by IR spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 11037-42	2.8	3
130	Structure of the calix[4]arene-(H <sub>2</sub> O) cluster: the world's smallest cup of water. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 2967-72	2.8	35
129	Laser spectroscopic study on (dibenzo-24-crown-8-ether)-water and -methanol complexes in supersonic jets. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 3559-65	3.6	20
128	Encapsulation of Ar(n) complexes by calix[4]arene: endo- vs. exo-complexes. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 4569-79	3.6	11
127	Vibrational Energy Relaxation Dynamics of XH Stretching Vibrations of Aromatic Molecules in the Electronic Excited State <b>2010</b> , 29-38		
126	Remarkable Site Difference of Vibrational Energy Relaxation in Benzene Dimer: Picosecond Time-Resolved IR-UV Pump-Probe Spectroscopy. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 7143-7146	3.6	3
125	Remarkable site difference of vibrational energy relaxation in benzene dimer: picosecond time-resolved IR-UV pump-probe spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 6989-92	16.4	7
124	Ion core structure in (N <sub>2</sub> O) <sub>n</sub> <sup>+</sup> (n = 2-8) studied by infrared photodissociation spectroscopy. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 044325	3.9	6
123	Structures of water-CO <sub>2</sub> and methanol-CO <sub>2</sub> cluster ions: [H <sub>2</sub> O x (CO <sub>2</sub> ) <sub>n</sub> ] <sup>+</sup> and [CH <sub>3</sub> OH x (CO <sub>2</sub> ) <sub>n</sub> ] <sup>+</sup> (n = 1-7). <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 154304	3.9	12
122	Water-mediated conformer optimization in benzo-18-crown-6-ether/water system. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 9132-40	3.6	33
121	Study on the Structure and Vibrational Dynamics of Functional Molecules and Molecular Clusters by Double Resonance Vibrational Spectroscopy. <i>Bulletin of the Chemical Society of Japan</i> , <b>2009</b> , 82, 127-151 <sup>5.1</sup>		29
120	Structure of hydrated clusters of dibenzo-18-crown-6-ether in a supersonic jet--encapsulation of water molecules in the crown cavity. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 6238-44	3.6	51
119	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> , <b>2008</b> , 105, 12690-5 <sup>11.5</sup>		30

118	An IR study of (CO <sub>2</sub> )(+) <sub>n</sub> (n=3-8) cluster ions in the 1000-3800 cm <sup>-1</sup> region. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 044308	3.9	8
117	Ion core structure in (C <sub>2</sub> ) <sub>n+</sub> and (CS <sub>2</sub> ) <sub>n-</sub> (n=3-10) studied by infrared photodissociation spectroscopy. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 164319	3.9	33
116	Conformation of L-tyrosine studied by fluorescence-detected UV-UV and IR-UV double-resonance spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 3209-15	2.8	66
115	Picosecond IR-UV pump-probe spectroscopic study on the vibrational energy flow in isolated molecules and clusters. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 1170-85	3.6	48
114	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> , <b>2007</b> , 9, 4452-9	3.6	47
113	Electronic spectra of jet-cooled calix[4]arene and its van der Waals clusters: encapsulation of a neutral atom in a molecular bowl. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 141101	3.9	16
112	IR laser manipulation of cis-trans isomerization of 2-naphthol and its hydrogen-bonded clusters. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 054315	3.9	11
111	Hydration profiles of aromatic amino acids: conformations and vibrations of L-phenylalanine-(H <sub>2</sub> O) <sub>n</sub> clusters. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 4783-91	3.6	55
110	Picosecond IR-UV pump-probe study on the vibrational relaxation of phenol-ethylene hydrogen-bonded cluster: difference of relaxation route/rate between the donor and the acceptor site excitations. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 6250-5	2.8	13
109	Anomalous conformer dependent S <sub>1</sub> lifetime of l-phenylalanine. <i>Chemical Physics Letters</i> , <b>2006</b> , 421, 227-231	2.5	42
108	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> , <b>2006</b> , 432, 421-425	2.5	12
107	Picosecond IR-UV pump-probe spectroscopic study on the intramolecular vibrational energy redistribution of NH <sub>2</sub> and CH stretching vibrations of jet-cooled aniline. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 124316	3.9	27
106	Laser spectroscopic investigation of salicylic acids hydrogen bonded with water in supersonic jets: Microsolvation effects for excited state proton dislocation. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 2498-504	2.8	25
105	Infrared Spectroscopic Evidence for Protonated Water Clusters Forming Nanoscale Cages.. <i>ChemInform</i> , <b>2004</b> , 35, no		3
104	Electronic spectroscopy of benzene-water cluster cations, [C <sub>6</sub> H <sub>6</sub> (H <sub>2</sub> O) <sub>n</sub> ] <sup>+</sup> (n=1-4): spectroscopic evidence for phenyl radical formation through size-dependent intracluster proton transfer reactions. <i>Chemical Physics Letters</i> , <b>2004</b> , 399, 412-416	2.5	32
103	Infrared spectroscopic evidence for protonated water clusters forming nanoscale cages. <i>Science</i> , <b>2004</b> , 304, 1134-7	33.3	44 <sup>8</sup>
102	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> , <b>2004</b> , 121, 11530-4	3.9	34
101	Infrared Spectroscopy of Size-Selected Benzene-Water Cluster Cations [C <sub>6</sub> H <sub>6</sub> (H <sub>2</sub> O) <sub>n</sub> ] <sup>+</sup> (n = 1-3): Hydrogen Bond Network Evolution and Microscopic Hydrophobicity. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 10656-10660	2.8	50

100	A Molecular Cluster Study on Activated CH/π Interactions: Infrared Spectroscopy of Aromatic Molecule-Acetylene Clusters. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 2652-2658	2.8	65
99	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> , <b>2004</b> , 120, 7410-9	3.9	37
98	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> , <b>2004</b> , 120, 7400-9	3.9	42
97	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> , <b>2003</b> , 376, 788-793	2.5	21
96	NH Stretching Vibrations of Jet-Cooled Aniline and Its Derivatives in the Neutral and Cationic Ground States. <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 3678-3686	2.8	42
95	Infrared spectroscopy of hydrated benzene cluster cations, [C <sub>6</sub> H <sub>6</sub> -(H <sub>2</sub> O) <sub>n</sub> ] <sup>+</sup> (n = 1-8): Structural changes upon photoionization and proton transfer reactions. <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 1137-1148	3.6	72
94	IR induced cis-trans isomerization of 2-naphthol: Catalytic role of hydrogen-bond in the photoinduced isomerization. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 2947-2950	3.9	15
93	Vibrational spectroscopic evidence of unconventional hydrogen bonds. <i>International Journal of Mass Spectrometry</i> , <b>2002</b> , 220, 289-312	1.9	47
92	Gas phase dihydrogen bonding: clusters of borane-amines with phenol and aniline. <i>Chemical Physics</i> , <b>2002</b> , 283, 193-207	2.3	32
91	Fluorescence enhancement detected IR (FEDIR) spectroscopy: a new background free IR spectroscopic technique for highly fluorescent molecules. <i>Chemical Physics Letters</i> , <b>2002</b> , 361, 453-456	2.5	5
90	Dihydrogen bonded phenol-borane-dimethylamine complex: An experimental and theoretical study. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 6056-6063	3.9	29
89	An Infrared Study of π-Hydrogen Bonds in Micro-solvated Phenol: OH Stretching Vibrations of Phenol-X (X = C <sub>6</sub> H <sub>6</sub> , C <sub>2</sub> H <sub>4</sub> , and C <sub>2</sub> H <sub>2</sub> ) Clusters in the Neutral and Cationic Ground States. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 8554-8560	2.8	75
88	Structure and Photoinduced Excited State Keto-Enol Tautomerization of 7-Hydroxyquinoline-(CH <sub>3</sub> OH) <sub>n</sub> Clusters. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 5591-5599	2.8	61
87	A New Electronic State of Aniline Observed in the Transient IR Absorption Spectrum from S <sub>1</sub> in a Supersonic Jet. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 11070-11074	2.8	53
86	CH stretching vibrations of benzene and toluene in their S <sub>1</sub> states observed by double resonance vibrational spectroscopy in supersonic jets. <i>Physical Chemistry Chemical Physics</i> , <b>2002</b> , 4, 1537-1541	3.6	27
85	Direct Observation of Weak Hydrogen Bonds in Microsolvated Phenol: Infrared Spectroscopy of OH Stretching Vibrations of Phenol-CO and CO <sub>2</sub> in S <sub>0</sub> and D <sub>0</sub> . <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 10124-10129	2.8	45
84	OH stretching vibrations and hydrogen-bonded structures of 7-hydroxyquinoline-(H <sub>2</sub> O) <sub>1-8</sub> investigated by IR/UV double-resonance spectroscopy. <i>Chemical Physics Letters</i> , <b>2001</b> , 338, 52-60	2.5	19
83	Infrared spectroscopy of the benzene-H <sub>2</sub> O cluster cation: experimental study on the drastic structural change upon photoionization. <i>Chemical Physics Letters</i> , <b>2001</b> , 349, 431-436	2.5	55

82	Mode dependent intracuster vibrational energy redistribution rate in size-selected benzonitrile( $(\text{CHCl}_3)_n=1\text{B}$ ) clusters. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 7866-7876	3.9	13
81	Predissociation of Rydberg states of CO investigated by the detection of atomic fragments. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 7886-7900	3.9	14
80	Gas phase dihydrogen bonded phenolBoraneTrimethylamine complex. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 8877-8879	3.9	32
79	Picosecond IRUV PumpProbe Spectroscopy. IVR of OH Stretching Vibration of Phenol and Phenol Dimer. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 8623-8628	2.8	56
78	Dehydrogenation Reaction from a Dihydrogen Bonded Precursor Complex in the Gas Phase. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 10753-10758	2.8	19
77	Photofragment-Detected IR Spectroscopy (PFDIRS) for the OH Stretching Vibration of the Hydrogen-Bonded Clusters in the S1 StateApplication to 2-Naphthol-B (B = H <sub>2</sub> O and CH <sub>3</sub> OH) Clusters. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 5727-5730	2.8	26
76	Infrared Spectroscopy of the OH Stretching Vibrations of Jet-Cooled Salicylic Acid and Its Dimer in S <sub>0</sub> and S <sub>1</sub> . <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 10673-10680	2.8	53
75	Infrared Photodissociation Spectroscopy of n-PropylbenzeneAr Cluster Cations: Charge Delocalization between the Aromatic Ring and the Alkyl Chain. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 4882-4886	2.8	8
74	IRUV Double-Resonance Spectroscopic Study of 2-Hydroxypyridine and Its Hydrogen-Bonded Clusters in Supersonic Jets. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 3475-3480	2.8	48
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