

# Masaaki Fujii

## List of Publications by Year in descending order

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255  
papers

6,222  
citations

66315

42  
h-index

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61  
g-index

264  
all docs

264  
docs citations

264  
times ranked

3479  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | OH stretching vibrations of phenol $\cdot$ (H <sub>2</sub> O) <sub>n</sub> (n=1-3) complexes observed by IR-UV double-resonance spectroscopy. <i>Chemical Physics Letters</i> , 1993, 215, 347-352.                            | 1.2  | 309       |
| 2  | Excited state hydrogen transfer dynamics in substituted phenols and their complexes with ammonia: IR-UV energy gap propensity and ortho-substitution effect. <i>Journal of Chemical Physics</i> , 2010, 133, 124313.           | 1.2  | 123       |
| 3  | Plugging a Molecular Wire into Photosystem I: Reconstitution of the Photoelectric Conversion System on a Gold Electrode. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1585-1587.                               | 7.2  | 117       |
| 4  | Bio-photosensor: Cyanobacterial photosystem I coupled with transistor via molecular wire. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 653-659.  | 0.5  | 110       |
| 5  | Keto-enol tautomer of uracil and thymine. <i>The Journal of Physical Chemistry</i> , 1988, 92, 1760-1765.  | 2.9  | 107       |
| 6  | Electronic spectra of uracil in a supersonic jet. <i>Chemical Physics Letters</i> , 1986, 126, 583-587.  | 1.2  | 85        |
| 7  | Probing Stepwise Complexation in Phenylazomethine Dendrimers by a Metallo-Porphyrin Core. <i>Journal of the American Chemical Society</i> , 2005, 127, 13896-13905.  | 6.6  | 85        |
| 8  | Two-point-separation in super-resolution fluorescence microscope based on up-conversion fluorescence depletion technique. <i>Optics Express</i> , 2003, 11, 3271.  | 1.7  | 80        |
| 9  | Dual Emission Caused by Ring Inversion Isomerization of a 4-Methyl-2-pyridyl-pyrimidine Copper(I) Complex. <i>Journal of the American Chemical Society</i> , 2010, 132, 9579-9581.   | 6.6  | 79        |
| 10 | Nonresonant ionization detected IR spectroscopy for the vibrational study in a supersonic jet. <i>Chemical Physics Letters</i> , 1996, 252, 287-293.   | 1.2  | 78        |
| 11 | Probing Solvation Dynamics around Aromatic and Biological Molecules at the Single-Molecular Level. <i>Chemical Reviews</i> , 2016, 116, 5432-5463.   | 23.0 | 78        |
| 12 | Investigation of polarization effects for high-numerical-aperture first-order Laguerre-Gaussian beams by 2D scanning with a single fluorescent microbead. <i>Optics Express</i> , 2005, 13, 10440.                             | 1.7  | 77        |
| 13 | Structure of Hydrogen-Bonded Clusters of 7-Azaindole Studied by IR Dip Spectroscopy and ab Initio Molecular Orbital Calculation. <i>Journal of Physical Chemistry A</i> , 2001, 105, 9366-9374.                                | 1.1  | 76        |
| 14 | Internal rotation of the methyl group in fluorotoluene cations as studied by pulsed field ionization-zero kinetic energy spectroscopy. <i>Journal of Chemical Physics</i> , 1993, 99, 3205-3217.                               | 1.2  | 74        |
| 15 | OH- and CH-Stretching Overtone Spectra of Catechol. <i>Journal of Physical Chemistry A</i> , 2002, 106, 258-266.   | 1.1  | 72        |
| 16 | Real-Time Observation of Ionization-Induced Hydrophobic-Hydrophilic Switching. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6149-6151.   | 7.2  | 72        |
| 17 | Hydrogen transfer in photoexcited phenol/ammonia clusters by UV-IR-UV ion dip spectroscopy and ab initio molecular orbital calculations. I. Electronic transitions. <i>Journal of Chemical Physics</i> , 2002, 117, 7077-7082. | 1.2  | 65        |
| 18 | High-cooling-efficiency cryogenic quadrupole ion trap and UV-UV hole burning spectroscopy of protonated tyrosine. <i>Journal of Molecular Spectroscopy</i> , 2017, 332, 45-51.   | 0.4  | 65        |

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|----|--|-----|-----------|
| 19 | Electronic spectra of jet-cooled azulene. <i>Chemical Physics</i> , 1983, 77, 191-200.   | 0.9 | 63        |
| 20 | Watching Water Migration around a Peptide Bond. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6604-6607.  | 7.2 | 63        |
| 21 | Generation of a doughnut-shaped beam using a spiral phase plate. <i>Review of Scientific Instruments</i> , 2004, 75, 5131-5135.  | 0.6 | 62        |
| 22 | Overtone spectroscopy in nitrous oxide. <i>Journal of Chemical Physics</i> , 1995, 103, 5931-5938.   | 1.2 | 61        |
| 23 | Structure of 1-Naphthol $\cdot$ n Water Clusters Studied by IR Dip Spectroscopy and Ab Initio Molecular Orbital Calculations. <i>Journal of Physical Chemistry A</i> , 1998, 102, 6227-6233.   | 1.1 | 59        |
| 24 | Nonresonant ionization detected IR spectrum of jet-cooled phenol. Ionization mechanism and its application to overtone spectroscopy. <i>Chemical Physics Letters</i> , 1998, 283, 243-250.   | 1.2 | 58        |
| 25 | IR signature of the photoionization-induced hydrophobic $\rightarrow$ hydrophilic site switching in phenol-Arn clusters. <i>Journal of Chemical Physics</i> , 2007, 127, 114307.   | 1.2 | 58        |
| 26 | Excited-State Triple-Proton Transfer in 7-Azaindole(H <sub>2</sub> O) <sub>2</sub> and Reaction Path Studied by Electronic Spectroscopy in the Gas Phase and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11161-11166. | 1.1 | 58        |
| 27 | High-energy, narrow-bandwidth periodically poled Mg-doped LiNbO <sub>3</sub> optical parametric oscillator with a volume Bragg grating. <i>Optics Letters</i> , 2007, 32, 2996.  | 1.7 | 55        |
| 28 | Infrared dip spectra of photochemical reaction products in a phenol/ammonia cluster: examination of intracluster hydrogen transfer. <i>Chemical Physics Letters</i> , 2000, 322, 27-32.  | 1.2 | 53        |
| 29 | Ionisation-induced site switching dynamics in solvated aromatic clusters: phenol $\cdot$ (rare gas) <sub>n</sub> clusters as prototypical example. <i>International Reviews in Physical Chemistry</i> , 2012, 31, 131-173.                                   | 0.9 | 53        |
| 30 | Detailed analysis of diesel vehicle exhaust emissions: Nitrogen oxides, hydrocarbons and particulate size distributions. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 2895-2902.   | 2.4 | 50        |
| 31 | Predissociation of the acetylene A <sup>1</sup> $\Sigma^+$ state and its mechanism. <i>Journal of Chemical Physics</i> , 1990, 92, 959-968.  | 1.2 | 49        |
| 32 | Electronic spectra of o-, m- and p-tolunitrile $\cdot$ substituent effect on internal rotation of the methyl group. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1994, 50, 1421-1433.   | 0.1 | 49        |
| 33 | Picosecond time-resolved infrared spectra of photo-excited phenol $\cdot$ (NH <sub>3</sub> ) <sub>3</sub> cluster. <i>Chemical Physics Letters</i> , 2001, 347, 87-92.   | 1.2 | 49        |
| 34 | High Rydberg states of nitric oxide studied by two-color multiphoton spectroscopy. <i>The Journal of Physical Chemistry</i> , 1983, 87, 4773-4776.   | 2.9 | 48        |
| 35 | Electronic spectra of 1,2,4,5-tetrafluorobenzene in a supersonic jet: butterfly tunneling in the excited state. <i>The Journal of Physical Chemistry</i> , 1986, 90, 3948-3952.  | 2.9 | 48        |
| 36 | Investigation of the center intensity of first- and second-order Laguerre-Gaussian beams with linear and circular polarization. <i>Optics Letters</i> , 2007, 32, 2357.  | 1.7 | 48        |

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|----|--|-----|-----------|
| 37 | Hydrogen transfer in photo-excited phenol/ammonia clusters by UV-IR ion dip spectroscopy and ab initio molecular orbital calculations. II. Vibrational transitions. <i>Journal of Chemical Physics</i> , 2002, 117, 7083-7093.   | 1.2 | 47        |
| 38 | Photochemistry of phenol-(NH <sub>3</sub> ) <sub>n</sub> clusters: Solvent effect on a radical cleavage of an OH bond in an electronically excited state and intracluster reactions in the product NH <sub>4</sub> (NH <sub>3</sub> ) <sub>n-1</sub> (n = 1-5). <i>Journal of Chemical Physics</i> , 2003, 119, 5149-5158. | 1.2 | 46        |
| 39 | Direct observation of second excited 1,3 (n, i <sup>*</sup> ) states of pyrazine by UV-IR double resonance dip spectroscopy. <i>Chemical Physics Letters</i> , 1990, 171, 341-346.   | 1.2 | 43        |
| 40 | Predissociation of acetylene in $\tilde{A}^f$ 1Au state. <i>Chemical Physics Letters</i> , 1988, 150, 380-385.   | 1.2 | 42        |
| 41 | 52 mJ narrow-bandwidth degenerated optical parametric system with a large-aperture periodically poled MgO:LiNbO <sub>3</sub> device. <i>Optics Letters</i> , 2006, 31, 3149.   | 1.7 | 42        |
| 42 | High-energy, broadly tunable, narrow-bandwidth mid-infrared optical parametric system pumped by quasi-phase-matched devices. <i>Optics Letters</i> , 2008, 33, 1699.   | 1.7 | 42        |
| 43 | Dissociation energetics of the phenol+Ar <sub>2</sub> cluster ion: The role of i <sup>+</sup> H isomerization. <i>Journal of Chemical Physics</i> , 2010, 133, 154308.   | 1.2 | 42        |
| 44 | Rotational energy transfer in NO ( $A_2^+$ , v = 0 and 1) studied by two-color double-resonance spectroscopy. <i>Chemical Physics</i> , 1984, 84, 151-157.   | 0.9 | 41        |
| 45 | Two-color far-field super-resolution microscope using a doughnut beam. <i>Chemical Physics Letters</i> , 2003, 371, 634-639.   | 1.2 | 41        |
| 46 | Isomer selective infrared spectroscopy of supersonically cooled cis- and trans-N-phenylamides in the region from the amide band to NH stretching vibration. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6098.   | 1.3 | 41        |
| 47 | Highly excited Rydberg states of pyrazine and their autoionization. <i>The Journal of Physical Chemistry</i> , 1987, 91, 2268-2273.  | 2.9 | 40        |
| 48 | Hole-Burning Spectra of Phenol-Arn (n = 1, 2) Clusters: Resolution of the Isomer Issue. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7569-7575.   | 1.1 | 40        |
| 49 | Pulsed-field-ionization spectroscopy for the study of molecular cations. <i>Chemical Physics Letters</i> , 1992, 189, 592-597.   | 1.2 | 39        |
| 50 | Hydrogen transfer dynamics in a photoexcited phenol/ammonia (1:3) cluster studied by picosecond time-resolved UV-IR-UV ion dip spectroscopy. <i>Journal of Chemical Physics</i> , 2007, 127, 234304.   | 1.2 | 39        |
| 51 | Evidence for Catechol Ring- Induced Conformational Restriction in Neurotransmitters. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1130-1133.  | 2.1 | 39        |
| 52 | Revised conformational assignments and conformational evolution of tyrosine by laser desorption supersonic jet laser spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5163.  | 1.3 | 39        |
| 53 | Vibrational Overtone Spectroscopy of Phenol and Its Deuterated Isotopomers. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7345-7354.   | 1.1 | 38        |
| 54 | 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        |

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|----|---|-----|-----------|
| 55 | On polarization effects in fluorescence depletion microscopy. <i>Optics Communications</i> , 2007, 272, 263-268.  | 1.0 | 37        |
| 56 | Effects of Chloride Ion Binding on the Photochemical Properties of Salinibacter Sensory Rhodopsin I. <i>Journal of Molecular Biology</i> , 2009, 392, 48-62.  | 2.0 | 37        |
| 57 | Ionization-induced $\tilde{\nu}^+$ H site switching dynamics in phenol- $\text{Ar}_3$ . <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2409-2416.   | 1.3 | 37        |
| 58 | Excited state hydrogen transfer in fluorophenol-ammonia clusters studied by two-color REMPI spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 114-121.  | 1.3 | 36        |
| 59 | Two-color double resonance spectroscopy via $\tilde{\nu}^+$ state of acetylene: 3p Rydberg state and its Renner-Teller effect. <i>Journal of Chemical Physics</i> , 1992, 96, 6486-6494.  | 1.2 | 35        |
| 60 | Structure of 1-Naphthol/Alcohol Clusters Studied by IR Dip Spectroscopy and ab Initio Molecular Orbital Calculations. <i>Journal of Physical Chemistry A</i> , 2001, 105, 10045-10053.  | 1.1 | 34        |
| 61 | IR spectra of phenol- $\text{Ar}_n$ cluster cations ( $n=1,2$ ): Evidence for photoionization-induced $\tilde{\nu}^+$ H isomerization. <i>Chemical Physics Letters</i> , 2007, 443, 227-231.  | 1.2 | 34        |
| 62 | Structures and IR/UV spectra of neutral and ionic phenol- $\text{Ar}_n$ cluster isomers ( $n \leq 4$ ): competition between hydrogen bonding and stacking. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13926.                                    | 1.3 | 34        |
| 63 | Two-color multiphoton ionization of diazabicyclooctane in a supersonic free jet. <i>Chemical Physics Letters</i> , 1983, 101, 578-582.  | 1.2 | 33        |
| 64 | Electronic spectra of 7-azaindole/ammonia clusters and their photochemical reactivity. <i>Journal of Chemical Physics</i> , 2008, 129, 104311.  | 1.2 | 33        |
| 65 | Development of a Non-Scanning Vibrational Sum-Frequency Generation Detected Infrared Super-Resolution Microscope and its Application to Biological Cells. <i>Applied Spectroscopy</i> , 2010, 64, 275-281.  | 1.2 | 33        |
| 66 | A New, Highly Sensitive Time-of-Flight Mass Spectrometer Consisting of a Flangeon-type Conical Ion Lens System and a Proto-type Daly Detector for Exhaust Gas Analysis Based on the Jet-REMPI Technique. <i>Analytical Sciences</i> , 2005, 21, 991-996.    | 0.8 | 32        |
| 67 | Photoionization-induced large-amplitude pendular motion in phenol- $\text{Kr}$ . <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2744-2747.  | 1.3 | 32        |
| 68 | Stepwise Microhydration of Aromatic Amide Cations: Formation of Water Solvation Network Revealed by Infrared Spectra of Formanilide- $(\text{H}_2\text{O})_n$ Clusters ( $n \leq 5$ ). <i>Journal of Physical Chemistry B</i> , 2015, 119, 1388-1406.       | 1.2 | 32        |
| 69 | Mode-dependent intramolecular vibrational redistribution in the S1 state of jet-cooled p-difluorobenzene. <i>The Journal of Physical Chemistry</i> , 1984, 88, 2937-2940.   | 2.9 | 31        |
| 70 | IR-dip and IR-UV hole-burning spectra of jet-cooled 4-aminobenzonitrile- $(\text{H}_2\text{O})_1$ . Observation of $\tilde{\nu}^+$ -type and $\tilde{\nu}^-$ -type hydrogen-bonded conformers in the CN site. <i>Chemical Physics</i> , 2002, 283, 209-219. | 0.9 | 31        |
| 71 | Solvation Dynamics of a Single Water Molecule Probed by Infrared Spectra-Theory Meets Experiment. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14601-14604.   | 7.2 | 31        |
| 72 | The PFI-ZEKE photoelectron spectrum of m-fluorophenol and its aqueous complexes: Comparing intermolecular vibrations in rotational isomers. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 2534-2538.  | 1.3 | 30        |

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|----|---|-----|-----------|
| 73 | Investigation of the fluorescence depletion process in the condensed phase; application to a tryptophan aqueous solution. <i>Chemical Physics Letters</i> , 2003, 372, 773-778.   | 1.2 | 30        |
| 74 | Theoretical Study on the Structure and the Frequency of Isomers of the Naphthalene Dimer. <i>Journal of Chemical Theory and Computation</i> , 2006, 2, 1176-1183.   | 2.3 | 30        |
| 75 | Characterization of a Signaling Complex Composed of Sensory Rhodopsin I and Its Cognate Transducer Protein from the Eubacterium <i>Salinibacter ruber</i> . <i>Biochemistry</i> , 2009, 48, 10136-10145.  | 1.2 | 30        |
| 76 | Ground State Proton Transfer in Phenol <sup>+</sup> (NH <sub>3</sub> ) <sub>n</sub> (n = 11) Clusters Studied by Mid-IR Spectroscopy in 3–10 $\mu$ m Range. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1522-1530.                        | 1.1 | 30        |
| 77 | Electronic and infrared spectra of jet-cooled 4-aminobenzonitrile-H <sub>2</sub> O. Change of NH <sub>2</sub> from proton acceptor to proton donor by CN substitution. <i>Chemical Physics Letters</i> , 2001, 341, 70-76.                        | 1.2 | 29        |
| 78 | Gas-Phase Spectroscopy of Synephrine by Laser Desorption Supersonic Jet Technique. <i>Journal of Physical Chemistry A</i> , 2011, 115, 10363-10369.   | 1.1 | 29        |
| 79 | Microhydrated aromatic cluster cations: Binding motifs of 4-aminobenzonitrile-(H <sub>2</sub> O) <sub>n</sub> cluster cations with n = 4. <i>Journal of Chemical Physics</i> , 2014, 141, 214301.   | 1.2 | 29        |
| 80 | Internal rotation of methyl group in $\epsilon$ -toluidine cations as studied by pulsed field ionization-zero kinetic energy spectroscopy. <i>Journal of Chemical Physics</i> , 1996, 105, 10201-10209.   | 1.2 | 28        |
| 81 | Vibrational Overtone Spectroscopy of Jet-Cooled Aminophenols as a Probe for Rotational Isomers. <i>Journal of Physical Chemistry A</i> , 2004, 108, 4420-4427.  | 1.1 | 28        |
| 82 | Synthesis of Pd complexes directly linked to the light-absorbing [(bpy) <sub>3</sub> Ru] <sup>2+</sup> unit and their photochemical reactions toward styrenes. <i>Dalton Transactions</i> , 2008, , 6709.   | 1.6 | 28        |
| 83 | 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        |
| 84 | Vibrational Signature of the Conformers in Tyramine Studied by IR Dip and Dispersed Fluorescence Spectroscopies. <i>Journal of Physical Chemistry A</i> , 2008, 112, 13463-13469.   | 1.1 | 27        |
| 85 | Real time observation of the excimer formation dynamics of a gas phase benzene dimer by picosecond pump-probe spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25989-25997.   | 1.3 | 27        |
| 86 | A conformational study of protonated noradrenaline by UV and IR dip double resonance laser spectroscopy combined with an electrospray and a cold ion trap method. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10777-10785.             | 1.3 | 27        |
| 87 | Electronic spectra of isolated cations in supersonic jets by mass-selected ion dip spectroscopy. Cations of benzene, p-difluorobenzene, and 1,3,5-trifluorobenzene. <i>Journal of Chemical Physics</i> , 1989, 90, 6965-6976.                     | 1.2 | 26        |
| 88 | Structure of the Jet-Cooled 1-Naphthol Dimer Studied by IR Dip Spectroscopy: A Cooperation between the $\pi$ - $\pi$ Interaction and the Hydrogen Bonding. <i>Journal of Physical Chemistry A</i> , 2007, 111, 1001-1005.                         | 1.1 | 26        |
| 89 | Microsolvation of the acetanilide cation (AA <sup>+</sup> ) in a nonpolar solvent: IR spectra of AA <sup>+</sup> L <sub>n</sub> clusters (L = He, Ar, N <sub>2</sub> ; n = 10). <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7980-7995. | 1.3 | 26        |
| 90 | Molecular Recognition by a Short Partial Peptide of the Adrenergic Receptor: A Bottom-Up Approach. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5626-5629.  | 7.2 | 26        |

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|-----|--|-----|-----------|
| 91  | Four-color hole burning spectra of phenol/ammonia 1:3 and 1:4 clusters. Journal of Chemical Physics, 2004, 120, 3215-3220.   | 1.2 | 25        |
| 92  | Formation of a doughnut laser beam for super-resolving microscopy using a phase spatial light modulator. Optical Engineering, 2004, 43, 1136.  | 0.5 | 25        |
| 93  | Rydberg states ( $n = 4 \text{--} 29$ ) of azabicyclo [2.2.2] octane as studied by two-color fluorescence DIP and multiphoton ionization spectroscopies. Chemical Physics, 1985, 99, 193-206.                          | 0.9 | 24        |
| 94  | Mass analyzed threshold ionization spectra of phenol-Ar <sub>2</sub> : ionization energy and cation intermolecular vibrational frequencies. Physical Chemistry Chemical Physics, 2011, 13, 6071-6076.                  | 1.3 | 24        |
| 95  | Conformational reduction of DOPA in the gas phase studied by laser desorption supersonic jet laser spectroscopy. Physical Chemistry Chemical Physics, 2011, 13, 7812.  | 1.3 | 23        |
| 96  | IR spectroscopy of monohydrated tryptamine cation: Rearrangement of the intermolecular hydrogen bond induced by photoionization. Journal of Chemical Physics, 2012, 137, 224311.                                       | 1.2 | 23        |
| 97  | Unusual Behavior in the First Excited State Lifetime of Catechol. Journal of Physical Chemistry Letters, 2013, 4, 3819-3823.   | 2.1 | 23        |
| 98  | Two-color multiphoton ionization spectra of jet-cooled p-difluorobenzene - s and d Rydberg states. Chemical Physics Letters, 1986, 127, 297-302.   | 1.2 | 22        |
| 99  | S <sub>1</sub> Electronic spectrum of jet-cooled m-aminophenol. Physical Chemistry Chemical Physics, 2003, 5, 5044-5050.   | 1.3 | 22        |
| 100 | The most stable conformer of benzyl alcohol. Chemical Physics Letters, 2008, 466, 21-26.   | 1.2 | 22        |
| 101 | Vibrational energy relaxation of the 7-azaindole dimer in CCl <sub>4</sub> solution studied by picosecond time-resolved transient fluorescence detected IR spectroscopy. Chemical Physics Letters, 2004, 396, 298-302. | 1.2 | 21        |
| 102 | Solvent Migration in Microhydrated Aromatic Aggregates: Ionization-Induced Site Switching in the 4-Aminobenzonitrile-Water Cluster. Chemistry - A European Journal, 2014, 20, 2031-2039.                               | 1.7 | 21        |
| 103 | Ion-peptide interactions between alkali metal ions and a termini-protected dipeptide: modeling a portion of the selectivity filter in K <sup>+</sup> channels. Physical Chemistry Chemical Physics, 2019, 21, 561-571. | 1.3 | 21        |
| 104 | Fast Nonradiative Decay in <i>o</i> -Aminophenol. Journal of Physical Chemistry A, 2014, 118, 2056-2062.   | 1.1 | 20        |
| 105 | Single water solvation dynamics in the 4-aminobenzonitrile-water cluster cation revealed by picosecond time-resolved infrared spectroscopy. Physical Chemistry Chemical Physics, 2015, 17, 29969-29977.                | 1.3 | 20        |
| 106 | Electron-Proton Decoupling in Excited-State Hydrogen Atom Transfer in the Gas Phase. Angewandte Chemie - International Edition, 2015, 54, 15089-15093.   | 7.2 | 20        |
| 107 | A structural study on the excimer state of an isolated benzene dimer using infrared spectroscopy in the skeletal vibration region. Physical Chemistry Chemical Physics, 2017, 19, 22759-22776.                         | 1.3 | 20        |
| 108 | Sequential microhydration of cationic 5-hydroxyindole (5HI <sup>+</sup> ): infrared photodissociation spectra of 5HI <sup>+</sup> W <sub>n</sub> clusters (W = H <sub>2</sub> O). Tj ETQq0 0 0rgBT /Overlock 10 TF     |     |           |

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|-----|---|-----|-----------|
| 109 | Selection rule and efficiency for autoionization of diazabicyclooctane as studied by two-color double-resonance spectroscopy. <i>The Journal of Physical Chemistry</i> , 1987, 91, 6507-6510.   | 2.9 | 19        |
| 110 | Predicted Spatial Resolution of Super-Resolving Fluorescence Microscopy Using Two-Color Fluorescence Dip Spectroscopy. <i>Applied Spectroscopy</i> , 2003, 57, 1312-1316.   | 1.2 | 19        |
| 111 | Far-field infrared super-resolution microscopy using picosecond time-resolved transient fluorescence detected IR spectroscopy. <i>Chemical Physics Letters</i> , 2007, 439, 171-176.  | 1.2 | 19        |
| 112 | Spectroscopic Studies of a Sensory Rhodopsin I Homologue from the Archaeon <i>Haloarcula vallismortis</i> . <i>Biochemistry</i> , 2010, 49, 1183-1190.  | 1.2 | 19        |
| 113 | Photoionization-induced H site switching dynamics in phenol <sup>+</sup> Rg (Rg = Ar, Kr) dimers probed by picosecond time-resolved infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24746-24754.                  | 1.3 | 19        |
| 114 | Gas phase ultraviolet and infrared spectroscopy on a partial peptide of Î² <sub>2</sub> -adrenoceptor SIVSF-NH <sub>2</sub> by a laser desorption supersonic jet technique. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23277-23284. | 1.3 | 19        |
| 115 | Probing chirality recognition of protonated glutamic acid dimers by gas-phase vibrational spectroscopy and first-principles simulations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28452-28464.                                    | 1.3 | 19        |
| 116 | Two-color fluorescence dip and ion dip spectra of jet-cooled benzene. <i>Chemical Physics Letters</i> , 1987, 140, 427-433.   | 1.2 | 18        |
| 117 | Internal methyl group rotation in o-cresol studied by pulsed field ionization-ZEKE photoelectron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2000, 108, 13-20.  | 0.8 | 18        |
| 118 | Picosecond time-resolved nonresonant ionization detected IR spectroscopy on 7-azaindole dimer. <i>European Physical Journal D</i> , 2002, 20, 399-402.  | 0.6 | 18        |
| 119 | IR spectra of resorcinol+Ar cluster cations (n= 1, 2): Evidence for photoionization-induced H isomerization. <i>Chemical Physics Letters</i> , 2009, 474, 7-12.   | 1.2 | 18        |
| 120 | Conformationally resolved spectra of acetaminophen by UV-UV hole burning and IR dip spectroscopy in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 957-964.  | 1.3 | 18        |
| 121 | Revealing the role of excited state proton transfer (ESPT) in excited state hydrogen transfer (ESHT): systematic study in phenol <sup>+</sup> (NH <sub>3</sub> ) <sub>n</sub> clusters. <i>Chemical Science</i> , 2021, 12, 3836-3856.          | 3.7 | 18        |
| 122 | Two-color fluorescence DIP and MPI spectra of jet-cooled pyrazine. <i>Chemical Physics Letters</i> , 1987, 135, 407-412.  | 1.2 | 17        |
| 123 | Pulsed field ionization-ZEKE spectroscopy of cresoles and their aqueous complexes: Internal rotation of methyl group and intermolecular vibrations. <i>Faraday Discussions</i> , 2000, 115, 229-243.  | 1.6 | 17        |
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