

# Hong Lae Kim

## List of Publications by Year in descending order

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24  
papers

267  
citations

840776

11  
h-index

940533

16  
g-index

24  
all docs

24  
docs citations

24  
times ranked

195  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | One-photon VUV-MATI and two-photon IR+VUV-MATI spectroscopic determination of oxetane cation ring-puckering vibrations and conformation. <i>Journal of Chemical Physics</i> , 2021, 154, 054308.  | 3.0 | 6         |
| 2  | Determination of the cationic conformational structure of tetrahydrothiophene by one-photon MATI spectroscopy and Franck-Condon fitting. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6184-6191.                                  | 2.8 | 14        |
| 3  | Formyl torsion and cationic structure of <i>gauche</i> conformer in isobutanal by conformer-specific VUV-MATI spectroscopy and Franck-Condon fitting. <i>Journal of Chemical Physics</i> , 2019, 151, 014304.                               | 3.0 | 14        |
| 4  | Surface-Catalyzed Photodissociation of <i>E</i> -4-(Diazene-1,1-Triethyl)bis(2-diyloxy)butane Quantum Chemical Calculations. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7142-7150.   | 3.1 | 2         |
| 5  | Photodissociation Dynamics of Benzaldehyde- <i>d</i> <sub>5</sub> at 205 nm: The H Atom Production Channel. <i>Journal of Physical Chemistry A</i> , 2018, 122, 773-779.  | 2.5 | 2         |
| 6  | Conformer-specific photoionization and conformational stabilities of isobutanal revealed by one-photon mass-analyzed threshold ionization (MATI) spectroscopy. <i>Journal of Chemical Physics</i> , 2018, 149, 174302.                      | 3.0 | 17        |
| 7  | Observation of the Ring-Puckering Vibrational Mode in Thietane Cation. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1163-1167.   | 2.5 | 22        |
| 8  | Surface enhanced Raman scattering of 2,2'-biphenyl dicarboxylic acid on silver surfaces: Structure and orientation upon adsorption. <i>Journal of Molecular Structure</i> , 2016, 1115, 70-74.  | 3.6 | 3         |
| 9  | Dynamics of H Atom Production from Photodissociation of Acetic Acid- <i>d</i> <sub>1</sub> . <i>Journal of Physical Chemistry A</i> , 2015, 119, 9474-9480.   | 2.5 | 2         |
| 10 | One-photon mass-analyzed threshold ionization (MATI) spectroscopy of pyridine: Determination of accurate ionization energy and cationic structure. <i>Journal of Chemical Physics</i> , 2014, 141, 174303.                                  | 3.0 | 33        |
| 11 | Dynamics of H atom production from photodissociation of H <sub>2</sub> O <sub>2</sub> at 205 nm. <i>Chemical Physics Letters</i> , 2014, 592, 124-126.  | 2.6 | 3         |
| 12 | Adsorption Characteristics and Structure of 4,4'-Bis(mercaptomethyl)biphenyl on Silver by Surface-enhanced Raman Scattering and Density Functional Theory Calculations. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 875-880. | 1.9 | 4         |
| 13 | Systematic preparation of colloidal silver nanoparticles for effective SERS substrates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 422, 39-43.   | 4.7 | 12        |
| 14 | SERS and DFT study of 4,4'-biphenyl dicarboxylic acid on silver surfaces: The orientation and vibrational assignment. <i>Journal of Molecular Structure</i> , 2013, 1050, 128-132.  | 3.6 | 10        |
| 15 | Ionization energy of acetone by vacuum ultraviolet mass-analyzed threshold ionization spectrometry. <i>Hyperfine Interactions</i> , 2013, 216, 85-88.   | 0.5 | 2         |
| 16 | Photodissociation of acetaldehyde at 205 nm: The H atom channels. <i>Chemical Physics Letters</i> , 2007, 434, 6-10.  | 2.6 | 13        |
| 17 | Ab initio study of the unimolecular decomposition of 2-butenitrile: Molecular elimination channels. <i>International Journal of Quantum Chemistry</i> , 2007, 107, 92-104.  | 2.0 | 2         |
| 18 | Photodissociation of formamide at 205nm: The H atom channels. <i>Chemical Physics Letters</i> , 2006, 431, 24-27.   | 2.6 | 17        |

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|----|--|-----|-----------|
| 19 | Photodissociation Dynamics of Cumene Hydroperoxide at 248 and 193 nm. Journal of Physical Chemistry A, 2001, 105, 10018-10024.   | 2.5 | 4         |
| 20 | Photodissociation Dynamics of Acetic Acid and Trifluoroacetic Acid at 193 nm. Journal of Physical Chemistry A, 2001, 105, 6775-6779.   | 2.5 | 26        |
| 21 | Velocity Relaxation of Fast Hydrogen Atoms by Collisions with Rare Gases, N <sub>2</sub> , O <sub>2</sub> , and N <sub>2</sub> O. Journal of Physical Chemistry A, 2000, 104, 1400-1404. | 2.5 | 2         |
| 22 | Photodissociation Dynamics of tert-Butyl Hydroperoxide at 193 nm. Journal of Physical Chemistry A, 1999, 103, 4150-4154.   | 2.5 | 4         |
| 23 | One-Color Molecular Photodissociation and Detection of Hydrogen Atoms. Journal of Physical Chemistry A, 1998, 102, 6063-6067.  | 2.5 | 20        |
| 24 | Control of photofragment angular distribution by laser phase variation. Journal of Chemical Physics, 1997, 107, 4546-4550.   | 3.0 | 33        |