Hong Lae Kim

List of Publications by Year
in descending order

24	267	840776 11	940533 16
papers	citations	h-index	g-index

24	24	24	195
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Control of photofragment angular distribution by laser phase variation. Journal of Chemical Physics, 1997, 107, 4546-4550.	3.0	33
2	One-photon mass-analyzed threshold ionization (MATI) spectroscopy of pyridine: Determination of accurate ionization energy and cationic structure. Journal of Chemical Physics, 2014, 141, 174303.	3.0	33
3	Photodissociation Dynamics of Acetic Acid and Trifluoroacetic Acid at 193 nm. Journal of Physical Chemistry A, 2001, 105, 6775-6779.	2.5	26
4	Observation of the Ring-Puckering Vibrational Mode in Thietane Cation. Journal of Physical Chemistry A, 2017, 121, 1163-1167.	2.5	22
5	One-Color Molecular Photodissociation and Detection of Hydrogen Atoms. Journal of Physical Chemistry A, 1998, 102, 6063-6067.	2.5	20
6	Photodissociation of formamide at 205nm: The H atom channels. Chemical Physics Letters, 2006, 431, 24-27.	2.6	17
7	Conformer-specific photoionization and conformational stabilities of isobutanal revealed by one-photon mass-analyzed threshold ionization (MATI) spectroscopy. Journal of Chemical Physics, 2018, 149, 174302.	3.0	17
8	Formyl torsion and cationic structure of gauche conformer in isobutanal by conformer-specific VUV-MATI spectroscopy and Franck-Condon fitting. Journal of Chemical Physics, 2019, 151, 014304.	3.0	14
9	Determination of the cationic conformational structure of tetrahydrothiophene by one-photon MATI spectroscopy and Franckâ€“Condon fitting. Physical Chemistry Chemical Physics, 2020, 22, 6184-6191.	2.8	14
10	Photodissociation of acetaldehyde at 205 nm: The H atom channels. Chemical Physics Letters, 2007, 434, 6-10.	2.6	13
11	Systematic preparation of colloidal silver nanoparticles for effective SERS substrates. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 422, 39-43.	4.7	12
12	SERS and DFT study of 4,4â€²-biphenyl dicarboxylic acid on silver surfaces: The orientation and vibrational assignment. Journal of Molecular Structure, 2013, 1050, 128-132.	3.6	10
13	One-photon VUV-MATI and two-photon IR+VUV-MATI spectroscopic determination of oxetane cation ring-puckering vibrations and conformation. Journal of Chemical Physics, 2021, 154, 054308.	3.0	6
14	Photodissociation Dynamics of tert-Butyl Hydroperoxide at 193 nm. Journal of Physical Chemistry A, 1999, 103, 4150-4154.	2.5	4
15	Photodissociation Dynamics of Cumene Hydroperoxide at 248 and 193 nm. Journal of Physical Chemistry A, 2001, 105, 10018-10024.	2.5	4
16	Adsorption Characteristics and Structure of 4,4'-Bis(mercaptomethyl)biphenyl on Silver by Surface-enhanced Raman Scattering and Density Functional Theory Calculations. Bulletin of the Korean Chemical Society, 2014, 35, 875-880.	1.9	4
17	Dynamics of H atom production from photodissociation of H2O2 at 205 nm. Chemical Physics Letters, 2014, 592, 124-126.	2.6	3
18	Surface enhanced Raman scattering of 2,2â€²-biphenyl dicarboxylic acid on silver surfaces: Structure and orientation upon adsorption. Journal of Molecular Structure, 2016, 1115, 70-74.	3.6	3

#	Article	IF	Citations
19	Velocity Relaxation of Fast Hydrogen Atoms by Collisions with Rare Gases, N2, O2, and N2O. Journal of Physical Chemistry A, 2000, 104, 1400-1404.	2.5	2
20	Ab initio study of the unimolecular decomposition of 2-butenenitrile: Molecular elimination channels. International Journal of Quantum Chemistry, 2007, 107, 92-104.	2.0	2
21	Ionization energy of acetone by vacuum ultraviolet mass-analyzed threshold ionization spectrometry. Hyperfine Interactions, 2013, 216, 85-88.	0.5	2
22	Dynamics of H Atom Production from Photodissociation of Acetic Acid-d₁. Journal of Physical Chemistry A, 2015, 119, 9474-9480.	2.5	2
23	Photodissociation Dynamics of Benzaldehyde-d₅ at 205 nm:The H Atom Production Channel. Journal of Physical Chemistry A, 2018, 122, 773-779.	2.5	2
24	Surface-Catalyzed Photodissociation of (E)-4â€²,4â€´-(Diazene-1,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (2-diyl)bis(([1,1â Quantum Chemical Calculations. Journal of Physical Chemistry C, 2019, 123, 7142-7150.	3.1	2