

Jingsong Zhang

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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.

66

papers

954

citations

20

h-index

27

g-index

70

ext. papers

1,060

ext. citations

3.8

avg, IF

4.12

L-index

#	Paper	IF	Citations
66	HNCO + h.nu.(193.3 nm) .fwdarw. H + NCO: Center-of-Mass Translational Energy Distribution, Reaction Dynamics, and D0(H-NCO). <i>The Journal of Physical Chemistry</i> , 1995 , 99, 7446-7452		69
65	UV photodissociation dynamics of ethyl radical via the $\sigma^*_{\text{C-O}}$ (3s) state. <i>Journal of Chemical Physics</i> , 2001 , 114, 5164-5169	3.9	53
64	Detection of Nitrous Acid by Cavity Ring-Down Spectroscopy. <i>Environmental Science & Technology</i> , 2000 , 34, 4221-4227	10.3	52
63	Photodissociation dynamics of ethanol at 193.3 nm: The H-atom channel and ethoxy vibrational distribution. <i>Journal of Chemical Physics</i> , 1999 , 111, 6271-6282	3.9	42
62	Mechanistic studies of the pyrolysis of 1,3-butadiene, 1,3-butadiene-1,1,4,4-d4, 1,2-butadiene, and 2-butyne by supersonic jet/photoionization mass spectrometry. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 2190-6	2.8	39
61	Ab initio study of reaction of dimethyl sulfoxide (DMSO) with OH radical. <i>Chemical Physics Letters</i> , 2002 , 356, 490-496	2.5	35
60	Addition complexes of dimethyl sulfide (DMS) and OH radical and their reactions with O ₂ by ab initio and density functional theory. <i>Computational and Theoretical Chemistry</i> , 2001 , 543, 167-175		32
59	Estimating methane emissions in California's urban and rural regions using multitower observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 13,031-13,049	4.4	32
58	Ultraviolet photodissociation dynamics of the SH radical. <i>Journal of Chemical Physics</i> , 2005 , 123, 054330	3.9	31
57	State-to-state photodissociation dynamics of OH radical via the A ² Σ^+ state: Fine-structure distributions of the O(3P _J) product. <i>Journal of Chemical Physics</i> , 2003 , 119, 9989-9992	3.9	27
56	Photoionization of methyl t-butyl ether (MTBE) and t-octyl methyl ether (TOME) and analysis of their pyrolyses by supersonic jet/photoionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2000 , 199, 17-27	1.9	27
55	Ultraviolet photodissociation dynamics of the benzyl radical. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 8296-305	3.6	24
54	Cavity ring-down spectroscopy of ambient NO ₂ with quantification and elimination of interferences. <i>Environmental Science & Technology</i> , 2006 , 40, 7868-73	10.3	23
53	VUV photoionization time-of-flight mass spectrometry of flash pyrolysis of silane and disilane. <i>Chemical Physics Letters</i> , 2001 , 343, 482-488	2.5	22
52	Crossed Molecular Beam Study of the Reaction Cl + O ₃ . <i>Journal of Physical Chemistry A</i> , 1997 , 101, 6485-6495	6.49	21
51	H-Atom Product Channels in the Photodissociation of CH ₃ Cl, CH ₃ Br, and CH ₃ I at 121.6 nm. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 1115-1120	2.8	21
50	Measurements of peroxy radicals using chemical amplification-cavity ringdown spectroscopy. <i>Environmental Science & Technology</i> , 2009 , 43, 7791-6	10.3	20

49	Theoretical Study on the Thermochemistry of Chlorinated and Fluorinated Germanes and Their Radical Fragments. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 10346-10353	2.8	20
48	Highly Unsaturated Hydrogenated Silicon Clusters, Si_nH_x ($n=3-10, x=0-8$), in Flash Pyrolysis of Silane and Disilane. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 5081-5087	2.8	20
47	Photodissociation of the vinyl radical (C_2H_3) via the first excited state: The $\text{C}_2\text{H}_2(X^1\Sigma^+)+\text{H}$ channel. <i>Journal of Chemical Physics</i> , 1999 , 111, 3783-3786	3.9	20
46	Flash pyrolysis of ethyl, n-propyl, and isopropyl iodides as monitored by supersonic expansion vacuum ultraviolet photoionization time-of-flight mass spectrometry. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 583-91	2.8	19
45	GeH_x ($x=0-3$) and Ge_nH_x ($n=2-7$) in flash pyrolysis of GeH_4 . <i>Chemical Physics Letters</i> , 2002 , 351, 171-177	2.5	19
44	Assessment of an atmospheric transport model for annual inverse estimates of California greenhouse gas emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 1901-1918	4.4	17
43	Photodissociation dynamics of 1-propanol and 2-propanol at 193.3 nm. <i>Journal of Chemical Physics</i> , 2003 , 119, 7179-7187	3.9	16
42	H + NO_2 Channels in the Photodissociation of HONO at 193.3 nm. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 1465-1475	2.8	16
41	Ultraviolet photodissociation dynamics of the n-propyl and i-propyl radicals. <i>Journal of Chemical Physics</i> , 2015 , 142, 224306	3.9	12
40	Atmospheric peroxy radical measurements using dual-channel chemical amplification cavity ringdown spectroscopy. <i>Analytical Chemistry</i> , 2014 , 86, 5391-8	7.8	12
39	Ultraviolet Photodissociation Dynamics of the Allyl Radical via the B (2)A1(3s), C (2)B2(3py), and E(2)B1(3px) Electronic Excited States. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 12318-28	2.8	12
38	Photoinduced C-H bond fission in prototypical organic molecules and radicals. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 13880-13901	3.6	11
37	Vacuum ultraviolet photodissociation dynamics of methanol at 121.6 nm. <i>Chemical Physics Letters</i> , 2015 , 619, 18-22	2.5	11
36	Mechanistic study of thermal decomposition of isoprene (2-methyl-1,3-butadiene) using flash pyrolysis supersonic jet VUV photoionization mass spectrometry. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 11487-92	2.8	10
35	Ultraviolet photodissociation dynamics of the o-pyridyl radical. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 12138-45	2.8	9
34	Detection of sulfur dioxide by cavity ring-down spectroscopy. <i>Environmental Science & Technology</i> , 2011 , 45, 1926-31	10.3	9
33	Ultraviolet photodissociation dynamics of the propargyl radical. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 4604-12	2.8	9
32	Mechanism of the thermal decomposition of tetramethylsilane: a flash pyrolysis vacuum ultraviolet photoionization time-of-flight mass spectrometry and density functional theory study. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 18782-18789	3.6	9

31	Low-pressure yields of stabilized Criegee intermediates CH ₃ CHOO and (CH ₃) ₂ COO in ozonolysis of trans-2-butene and 2,3-dimethyl-2-butene. <i>Chemical Physics Letters</i> , 2017 , 683, 647-652	2.5	8
30	Thermal decomposition of tetramethylsilane and tetramethylgermane by flash pyrolysis vacuum ultraviolet photoionization time-of-flight mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2014 , 373, 50-55	1.9	8
29	Mixed silicon-germanium clusters, SixGe ₄ H ₄ , in the gas phase by flash pyrolysis of silane and germane. <i>Chemical Physics Letters</i> , 2008 , 459, 49-53	2.5	8
28	H-atom product channel and mode specificity in the near-UV photodissociation of thiomethoxy radical via the $\sigma^*_{\text{C-O}}$ state. <i>Chemical Physics Letters</i> , 2008 , 467, 46-51	2.5	8
27	Ultraviolet Photodissociation Dynamics of the 1-Propenyl Radical. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 5248-56	2.8	8
26	Flash Pyrolysis of t-Butyl Hydroperoxide and Di-t-butyl Peroxide: Evidence of Roaming in the Decomposition of Organic Hydroperoxides. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 7846-7853	2.8	7
25	Atmospheric observation-based estimation of fossil fuel CO emissions from regions of central and southern California. <i>Science of the Total Environment</i> , 2019 , 664, 381-391	10.2	7
24	Ultraviolet photodissociation dynamics of the phenyl radical. <i>Journal of Chemical Physics</i> , 2012 , 136, 044308	3.9	7
23	Dynamical interference in the vibronic bond breaking reaction of HCO. <i>Science Advances</i> , 2019 , 5, eaau0582	5.43	7
22	Pyrolysis of 2-methoxy-2,3,3-trimethylbutane (MTMB) monitored by 118nm photoionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2006 , 249-250, 303-310	1.9	6
21	Inverse Estimation of an Annual Cycle of California's Nitrous Oxide Emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 4758-4771	4.4	5
20	H atom Product Channels in the Ultraviolet Photodissociation of the 2-Propenyl Radical. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 9957-9965	2.8	5
19	Thermal decomposition of methyltrichlorosilane, dimethyldichlorosilane and methyldichlorosilane by flash pyrolysis vacuum ultraviolet photoionization time-of-flight mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2014 , 20, 409-17	1.1	5
18	Ultraviolet photodissociation of the SD radical in vibrationally ground and excited states. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 4761-9	3.6	5
17	Ultraviolet photodissociation dynamics of 1-pentyl radical. <i>Chinese Journal of Chemical Physics</i> , 2018 , 31, 439-445	0.9	5
16	Mechanistic Study of Thermal Decomposition of Hexamethyldisilane by Flash Pyrolysis Vacuum Ultraviolet Photoionization Time-of-Flight Mass Spectrometry and Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 10520-10528	2.8	4
15	Product yields of stabilized Criegee intermediates in the ozonolysis reactions of cis-2-butene, 2-methyl-2-butene, cyclopentene, and cyclohexene. <i>Science China Chemistry</i> , 2018 , 61, 850-856	7.9	4
14	A multiphoton ionization study of acetone using time-of-flight mass spectrometry. <i>Science Bulletin</i> , 2010 , 55, 3123-3130		3

13	PHOTODISSOCIATION DYNAMICS OF FREE RADICALS. <i>Advanced Series in Physical Chemistry</i> , 2004 , 465-521		3
12	Thermal decomposition of cyclohexane by flash pyrolysis vacuum ultraviolet photoionization time-of-flight mass spectrometry: a study on the initial unimolecular decomposition mechanism. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 9804-9813	3.6	3
11	Ultraviolet photodissociation dynamics of the n-butyl, s-butyl, and t-butyl radicals. <i>Journal of Chemical Physics</i> , 2020 , 152, 244303	3.9	2
10	H-atom Dissociation Channels in Ultraviolet Photochemistry of m-Pyridyl Radical. <i>Chinese Journal of Chemical Physics</i> , 2014 , 27, 621-627	0.9	2
9	Two-photon dissociation dynamics of hydroxyl radical. <i>Chinese Journal of Chemical Physics</i> , 2020 , 33, 129-134	0.9	2
8	Thermal decomposition of 1-hexene by flash pyrolysis: A study of initial decomposition mechanism. <i>Proceedings of the Combustion Institute</i> , 2021 , 38, 651-659	5.9	2
7	State-to-state predissociation dynamics of hydroxyl radical via the A ₂ state. <i>Molecular Physics</i> , 2021 , 119, e1837974	1.7	2
6	Thermal decomposition mechanism of allyltrichlorosilane and allyltrimethylsilane. <i>International Journal of Mass Spectrometry</i> , 2021 , 460, 116476	1.9	2
5	H-Atom Product Channel in the Ultraviolet Photodissociation of the Thiomethoxy Radical (CHS) via the B A State. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 5849-5858	2.8	1
4	Measurement of aerosol optical extinction using diode laser cavity ringdown spectroscopy. <i>Science Bulletin</i> , 2013 , 58, 2440-2446		1
3	Photodissociation Dynamics of Vinyloxy Radical via the B A State: The H + CHCO Product Channel. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 8882-8890	2.8	1
2	Rotational Modulation of π -State Photodissociation of HCO via Renner-Teller Nonadiabatic Transitions. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 6582-6588	6.4	1
1	A Special Issue to Celebrate. <i>Chinese Journal of Chemical Physics</i> , 2018 , 31, 367-367	0.9	