

Chih-Hao Chin

List of Publications by Year in descending order

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31
papers

320
citations

933447

10
h-index

888059

17
g-index

31
all docs

31
docs citations

31
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Excited state photochemically driven surface formation of benzene from acetylene ices on Pluto and in the outer solar system. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 1424-1436.	2.8	4
2	Cyclopentadienyl radical formation from the reaction of excited nitrogen atoms with benzene: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12408-12420.	2.8	9
3	Fragment-Based Ab Initio Molecular Dynamics Simulation for Combustion. <i>Molecules</i> , 2021, 26, 3120.	3.8	1
4	ReacNetGenerator: an automatic reaction network generator for reactive molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 683-691.	2.8	54
5	Reaction mechanism and product branching ratios of OH+C ₂ H ₃ F reaction: A theoretical study. <i>Chinese Journal of Chemical Physics</i> , 2020, 33, 203-209.	1.3	1
6	An ab initio/RRKM study of the reaction mechanism and product branching ratios of CH ₃ OH+ and CH ₃ OH ₂ ⁺ dissociation. <i>Journal of Molecular Structure</i> , 2020, 1217, 128410.	3.6	4
7	Formation of Halogen-bearing Species. II. Irradiation of Chloromethane in Carbon Monoxide Ice with VUV Light and Electrons. <i>Astrophysical Journal</i> , 2020, 888, 39.	4.5	2
8	Formation of Halogen-bearing Species. I. Irradiation of Methyl Fluorides in Carbon Monoxide Ice with VUV Light and Electrons. <i>Astrophysical Journal</i> , 2019, 880, 132.	4.5	3
9	Infrared Spectra of the 1-Methylvinoxide Radical and Anion Isolated in Solid Argon. <i>Journal of Physical Chemistry A</i> , 2019, 123, 4750-4754.	2.5	6
10	Formation mechanism and spectroscopy of C ₆ H radicals in extreme environments: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23044-23055.	2.8	5
11	UV absorption spectrum of allene radical cations in solid argon. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 233-237.	3.9	5
12	Infrared spectra of isotopomers of chloromethylene in solid argon. <i>Journal of Molecular Spectroscopy</i> , 2018, 345, 17-21.	1.2	0
13	Direct infrared observation of hydrogen chloride anions in solid argon. <i>Journal of Chemical Physics</i> , 2017, 147, 114301.	3.0	6
14	Theoretical investigations of absorption and fluorescence spectra of protonated pyrene. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14569-14579.	2.8	7
15	INFRARED AND ULTRAVIOLET SPECTRA OF METHANE DILUTED IN SOLID NITROGEN AND IRRADIATED WITH ELECTRONS DURING DEPOSITION AT VARIOUS TEMPERATURES. <i>Astrophysical Journal, Supplement Series</i> , 2016, 224, 17.	7.7	13
16	Photoisomerization and Infrared Spectra of Allene and Propyne Cations in Solid Argon. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3185-3189.	4.6	22
17	Photodissociation and infrared spectra of ethylene cations in solid argon. <i>Chemical Physics Letters</i> , 2015, 630, 96-100.	2.6	9
18	Dynamics of the reaction of C ₃ radicals with C ₂ H ₂ : A new source for the formation of C ₅ H. <i>Journal of Chemical Physics</i> , 2014, 141, 124314.	3.0	6

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19	Dynamics of the reaction of C2 with C6H2: An implication for the formation of interstellar C8H. <i>Journal of Chemical Physics</i> , 2014, 141, 194305.	3.0	8
20	Identification of C4H5, C4H4, C3H3 and CH3 radicals produced from the reaction of atomic carbon with propene: Implications for the atmospheres of Titan and giant planets and for the interstellar medium. <i>Icarus</i> , 2013, 222, 254-262.	2.5	19
21	Exploring the dynamics of C/H and C/Cl exchanges in the C(3P) + C2H3Cl reaction. <i>Journal of Chemical Physics</i> , 2013, 139, 134301.	3.0	2
22	Dynamics of carbon-hydrogen and carbon-methyl exchanges in the collision of 3P atomic carbon with propene. <i>Journal of Chemical Physics</i> , 2013, 139, 174317.	3.0	2
23	Exploring the Dynamics of Reaction C(³ P) + C ₂ H ₄ with Crossed Beam/Photoionization Experiments and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7615-7622.	2.5	16
24	SEARCHING FOR INTERSTELLAR MOLECULE BUTATRIENYLIDENE IN REACTION C ₂ +C ₂ H ₄ . <i>Astrophysical Journal</i> , 2012, 759, 75.	4.5	7
25	Exploring the dynamics of reaction N(2D)+C2H4 with crossed molecular-beam experiments and quantum-chemical calculations. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8515.	2.8	23
26	Evidence for Synchronous Concerted Three-Body Dissociation of Propenal to C2H2+CO+H2. <i>ChemPhysChem</i> , 2011, 12, 753-756.	2.1	10
27	Ab initio studies of excited electronic state S2 of pyrazine and Franck-Condon simulation of its absorption spectrum. <i>Chemical Physics Letters</i> , 2009, 476, 19-24.	2.6	18
28	Theoretical study on S1(1B3u) state electronic structure and absorption spectrum of pyrazine. <i>Science in China Series B: Chemistry</i> , 2008, 51, 1166-1173.	0.8	6
29	Theoretical investigations of spectroscopy and excited state dynamics of adenine. <i>Chemical Physics Letters</i> , 2007, 445, 361-369.	2.6	15
30	Theoretical Study of the Reaction Mechanism of BO, B2O2, and BS with H2. <i>Journal of Physical Chemistry A</i> , 2004, 108, 473-483.	2.5	27
31	Theoretical study of the reaction mechanism of boron atom with carbon dioxide. <i>Chemical Physics Letters</i> , 2003, 375, 670-675.	2.6	10