

Dock-Chil Che

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Conformer Selection by Electrostatic Hexapoles: A Theoretical Study on 1-Chloroethanol and 2-Chloroethanol. <i>Symmetry</i> , 2022, 14, 317.	2.2	2
2	A vector correlation study using a hexapole-oriented molecular beam: photodissociation dynamics of oriented isohaloethane. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 5914-5920.	2.8	2
3	UV Photodissociation of Halothane in a Focused Molecular Beam: Space-Speed Slice Imaging of Competitive Bond Breaking into Spin-Orbit-Selected Chlorine and Bromine Atoms. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5288-5296.	2.5	9
4	Vectorial imaging of the photodissociation of 2-bromobutane oriented via hexapolar state selection. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14164-14172.	2.8	11
5	Stereodynamic Imaging of Bromine Atomic Photofragments Eliminated from 1-Bromo-2-methylbutane Oriented via Hexapole State Selector. <i>Journal of Physical Chemistry A</i> , 2019, 123, 6635-6644.	2.5	8
6	Atomic force microscopy analysis of SasA-KaiC complex formation involved in information transfer from the KaiABC clock machinery to the output pathway in cyanobacteria. <i>Genes To Cells</i> , 2018, 23, 294-306.	1.2	2
7	Roaming and chaotic behaviors in collisional and photo-initiated molecular-beam reactions: a role of classical vs. quantum nonadiabatic dynamics. <i>Rendiconti Lincei</i> , 2018, 29, 219-232.	2.2	7
8	Nonlinear electric transport in macromolecular system for stochastic computing. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , 2017, 32, 252-258.	1.0	0
9	Stereodirectional images of molecules oriented by a variable-voltage hexapolar field: Fragmentation channels of 2-bromobutane electronically excited at two photolysis wavelengths. <i>Journal of Chemical Physics</i> , 2017, 147, 013917.	3.0	20
10	Adsorption characteristics of Cytochrome c/DNA complex Langmuir molecular assemblies at the air-water interface: a surface area-normalized isotherm study. <i>RSC Advances</i> , 2017, 7, 37755-37764.	3.6	3
11	Angular distribution of bromine atomic photofragment in oriented 2-bromobutane via hexapole state selector. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
12	Stereodirectional photodynamics: Experimental and theoretical perspectives. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	6
13	Rotational state-selection and alignment of chiral molecules by electrostatic hexapoles. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	5
14	Hexapole-Oriented Asymmetric-Top Molecules and Their Stereodirectional Photodissociation Dynamics. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5389-5398.	2.5	27
15	Stereodynamics: From elementary processes to macroscopic chemical reactions. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	4
16	Directions of chemical change: experimental characterization of the stereodynamics of photodissociation and reactive processes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9776.	2.8	36
17	Control of conformers combining cooling by supersonic expansion of seeded molecular beams with hexapole selection and alignment: experiment and theory on 2-butanol. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9866.	2.8	27
18	Aligned molecules: chirality discrimination in photodissociation and in molecular dynamics. <i>Rendiconti Lincei</i> , 2013, 24, 299-308.	2.2	43

#	ARTICLE	IF	CITATIONS
19	Emanation of Hydroxyl Radicals From Human Skin. IEEE Sensors Journal, 2013, 13, 1223-1227.	4.7	2
20	Molecular Hydrogen Consumption in the Human Body During the Inhalation of Hydrogen Gas. Advances in Experimental Medicine and Biology, 2013, 789, 315-321.	1.6	11
21	Reaction Dynamics with Molecular Beams and Oriented Molecular Beams: A Tool for Looking Closer to Chemical Reactions and Photodissociations. Journal of the Chinese Chemical Society, 2012, 59, 567-582.	1.4	8
22	Electrostatic hexapole state-selection of the asymmetric-top molecule propylene oxide: Rotational and orientational distributions. Chemical Physics, 2012, 399, 180-192.	1.9	41
23	Electrostatic Hexapole State-Selection of the Asymmetric-Top Molecule Propylene Oxide. Journal of Physical Chemistry A, 2010, 114, 3280-3286.	2.5	48
24	Negative collision energy dependence of Br formation in the OH + HBr reaction. Physical Chemistry Chemical Physics, 2008, 10, 1419-1423.	2.8	31