

Dock-Chil Che

List of Publications by Year in descending order

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papers

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citations

933447

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all docs

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docs citations

24
times ranked

155
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrostatic Hexapole State-Selection of the Asymmetric-Top Molecule Propylene Oxide. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3280-3286.	2.5	48
2	Aligned molecules: chirality discrimination in photodissociation and in molecular dynamics. <i>Rendiconti Lincei</i> , 2013, 24, 299-308.	2.2	43
3	Electrostatic hexapole state-selection of the asymmetric-top molecule propylene oxide: Rotational and orientational distributions. <i>Chemical Physics</i> , 2012, 399, 180-192.	1.9	41
4	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
5	Negative collision energy dependence of Br formation in the OH + HBr reaction. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1419-1423.	2.8	31
6	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
7	Hexapole-Oriented Asymmetric-Top Molecules and Their Stereodirectional Photodissociation Dynamics. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5389-5398.	2.5	27
8	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
9	Molecular Hydrogen Consumption in the Human Body During the Inhalation of Hydrogen Gas. <i>Advances in Experimental Medicine and Biology</i> , 2013, 789, 315-321.	1.6	11
10	Vectorial imaging of the photodissociation of 2-bromobutane oriented <i>via</i> hexapolar state selection. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14164-14172.	2.8	11
11	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
12	Reaction Dynamics with Molecular Beams and Oriented Molecular Beams: A Tool for Looking Closer to Chemical Reactions and Photodissociations. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 567-582.	1.4	8
13	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
14	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
15	Stereodirectional photodynamics: Experimental and theoretical perspectives. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	6
16	Rotational state-selection and alignment of chiral molecules by electrostatic hexapoles. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	5
17	Stereodynamics: From elementary processes to macroscopic chemical reactions. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	4
18	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

#	ARTICLE	IF	CITATIONS
19	Emanation of Hydroxyl Radicals From Human Skin. IEEE Sensors Journal, 2013, 13, 1223-1227.	4.7	2
20	Atomic force microscopy analysis of SasA-KaiC complex formation involved in information transfer from the KaiABC clock machinery to the output pathway in cyanobacteria. Genes To Cells, 2018, 23, 294-306.	1.2	2
21	Conformer Selection by Electrostatic Hexapoles: A Theoretical Study on 1-Chloroethanol and 2-Chloroethanol. Symmetry, 2022, 14, 317.	2.2	2
22	A vector correlation study using a hexapole-oriented molecular beam: photodissociation dynamics of oriented isohaloethane. Physical Chemistry Chemical Physics, 2022, 24, 5914-5920.	2.8	2
23	Angular distribution of bromine atomic photofragment in oriented 2-bromobutane via hexapole state selector. AIP Conference Proceedings, 2017, , .	0.4	1
24	Nonlinear electric transport in macromolecular system for stochastic computing. International Journal of Parallel, Emergent and Distributed Systems, 2017, 32, 252-258.	1.0	0