

Masaaki Nakamura

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Aligned molecules: chirality discrimination in photodissociation and in molecular dynamics. <i>Rendiconti Lincei</i> , 2013, 24, 299-308.	2.2	43
2	Dynamical, spectroscopic and computational imaging of bond breaking in photodissociation: roaming and role of conical intersections. <i>Faraday Discussions</i> , 2015, 177, 77-98.	3.2	37
3	Orientation dependence for Br formation in the reaction of oriented OH radical with HBr molecule. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1419-1423.	2.8	31
4	Orientation dependence in the four-atom reaction of OH + HBr using the single-state oriented OH radical beam. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2532.	2.8	30
5	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
6	Hexapole-Oriented Asymmetric-Top Molecules and Their Stereodirectional Photodissociation Dynamics. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5389-5398.	2.5	27
7	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
8	Roaming signature in photodissociation of carbonyl compounds. <i>International Reviews in Physical Chemistry</i> , 2018, 37, 217-258.	2.3	14
9	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
10	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
11	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
12	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
13	Alignment Selection of the Metastable CO($a^3\hat{1}$) Molecule and the Steric Effect in the Aligned CO($a^3\hat{1}$) + NO Collision. <i>Journal of Physical Chemistry A</i> , 2013, 117, 8157-8162.	2.5	6
14	Stereodirectional photodynamics: Experimental and theoretical perspectives. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	6
15	Rotational state-selection and alignment of chiral molecules by electrostatic hexapoles. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	5
16	Photodissociation study of spatially oriented (R)-3-bromocamphor by the hexapole state selector. <i>Molecular Physics</i> , 2022, 120, .	1.7	3
17	Conformer Selection by Electrostatic Hexapoles: A Theoretical Study on 1-Chloroethanol and 2-Chloroethanol. <i>Symmetry</i> , 2022, 14, 317.	2.2	2
18	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

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19	Angular distribution of bromine atomic photofragment in oriented 2-bromobutane via hexapole state selector. AIP Conference Proceedings, 2017, , .	0.4	1