

Hansjochen KÄckert

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

264
citations

1163117

8
h-index

996975

15
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17
all docs

17
docs citations

17
times ranked

396
citing authors

#	ARTICLE	IF	CITATIONS
1	Coulomb-explosion imaging of concurrent CH^+Br^- photodissociation dynamics. <i>Physical Review A</i> , 2017, 96, .	2.5	50
2	Coulomb explosion imaging of CH_3I and CH_2ClI photodissociation dynamics. <i>Journal of Chemical Physics</i> , 2018, 149, 204313.	3.0	46
3	Time-resolved inner-shell photoelectron spectroscopy: From a bound molecule to an isolated atom. <i>Physical Review A</i> , 2018, 97, .	2.5	40
4	Hydrogen collisions with transition metal surfaces: Universal electronically nonadiabatic adsorption. <i>Journal of Chemical Physics</i> , 2018, 148, 034706.	3.0	31
5	Observation of direct vibrational excitation in gas-surface collisions of CO with Au(111): a new model system for surface dynamics. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1863-1867.	2.8	20
6	Three-dimensional covariance-map imaging of molecular structure and dynamics on the ultrafast timescale. <i>Communications Chemistry</i> , 2020, 3, .	4.5	19
7	Time-resolved relaxation and fragmentation of polycyclic aromatic hydrocarbons investigated in the ultrafast XUV-IR regime. <i>Nature Communications</i> , 2021, 12, 6107.	12.8	18
8	The pure rotational spectra of the open-shell diatomic molecules Pbl and SnI. <i>Journal of Chemical Physics</i> , 2015, 143, 244309.	3.0	10
9	Photodissociation dynamics and the dissociation energy of vanadium monoxide, VO, investigated using velocity map imaging. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15560-15567.	2.8	9
10	$\text{C}\ddot{\text{a}}\text{I}$ and $\text{C}\ddot{\text{a}}\text{F}$ bond-breaking dynamics in the dissociative electron ionization of CF_3I . <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14296-14305.	2.8	8
11	Covariance-map imaging study into the fragmentation dynamics of multiply charged CF_3^+ formed in electron-molecule collisions. <i>Molecular Physics</i> , 2021, 119, e1811909.	1.7	6
12	Vibrational energies and full analytic potential energy functions of Pbl and InI from pure microwave data. <i>Journal of Molecular Spectroscopy</i> , 2016, 330, 80-88.	1.2	2
13	Fragmentation Dynamics of Fluorene Explored Using Ultrafast XUV-Vis Pump-Probe Spectroscopy. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	2
14	A velocity map imaging study of multiphoton photodissociation and photoionisation dynamics in niobium oxide, NbO. <i>Molecular Physics</i> , 2021, 119, e1821924.	1.7	1
15	Ultrafast ionization and fragmentation dynamics of polycyclic aromatic hydrocarbons by XUV radiation. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 112008.	0.4	0
16	THE PURE ROTATIONAL SPECTRUM OF Pbl FROM BROADBAND ROTATIONAL SPECTROSCOPY. , 2014, , .		0