

Hansjochen KÄckert

List of Publications by Year in descending order

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16
papers

264
citations

1163117

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17
times ranked

396
citing authors

#	ARTICLE	IF	CITATIONS
1	Fragmentation Dynamics of Fluorene Explored Using Ultrafast XUV-Vis Pump-Probe Spectroscopy. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	2
2	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
3	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
4	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
5	Ultrafast ionization and fragmentation dynamics of polycyclic aromatic hydro-carbons by XUV radiation. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 112008.	0.4	0
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	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
8	C–I and C–F bond-breaking dynamics in the dissociative electron ionization of CF ₃ ⁺ . <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14296-14305.	2.8	8
9	Time-resolved inner-shell photoelectron spectroscopy: From a bound molecule to an isolated atom. <i>Physical Review A</i> , 2018, 97, .	2.5	40
10	Hydrogen collisions with transition metal surfaces: Universal electronically nonadiabatic adsorption. <i>Journal of Chemical Physics</i> , 2018, 148, 034706.	3.0	31
11	Coulomb explosion imaging of CH ₃ I and CH ₂ ClI photodissociation dynamics. <i>Journal of Chemical Physics</i> , 2018, 149, 204313.	3.0	46
12	Coulomb-explosion imaging of concurrent CH_2BrI photodissociation dynamics. <i>Physical Review A</i> , 2017, 96, .	2.5	50
13	Vibrational energies and full analytic potential energy functions of Pbl and Inl from pure microwave data. <i>Journal of Molecular Spectroscopy</i> , 2016, 330, 80-88.	1.2	2
14	The pure rotational spectra of the open-shell diatomic molecules Pbl and Snl. <i>Journal of Chemical Physics</i> , 2015, 143, 244309.	3.0	10
15	THE PURE ROTATIONAL SPECTRUM OF Pbl FROM BROADBAND ROTATIONAL SPECTROSCOPY. , 2014, , .		0
16	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