

Michael B Burt

List of Publications by Year in descending order

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36
papers

655
citations

471509

17
h-index

580821

25
g-index

36
all docs

36
docs citations

36
times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	UV-induced dissociation of CH ₂ BrI probed by intense femtosecond XUV pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2022, 55, 014001.	1.5	7
2	A localized view on molecular dissociation via electron-ion partial covariance. <i>Communications Chemistry</i> , 2022, 5, .	4.5	10
3	Predicting Coulomb explosion fragment angular distributions using molecular ground-state vibrational motion. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 11636-11645.	2.8	5
4	Fragmentation Dynamics of Fluorene Explored Using Ultrafast XUV-Vis Pump-Probe Spectroscopy. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	2
5	Multi-channel photodissociation and XUV-induced charge transfer dynamics in strong-field-ionized methyl iodide studied with time-resolved recoil-frame covariance imaging. <i>Faraday Discussions</i> , 2021, 228, 571-596.	3.2	18
6	Post extraction inversion slice imaging for 3D velocity map imaging experiments. <i>Molecular Physics</i> , 2021, 119, e1842531.	1.7	3
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	High-Resolution Ion Microscope Imaging over Wide Mass Ranges Using Electrodynamic Postextraction Differential Acceleration. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1903-1909.	2.8	3
9	Microscope imaging mass spectrometry with a reflectron. <i>Review of Scientific Instruments</i> , 2020, 91, 023306.	1.3	9
10	Time-resolved site-selective imaging of predissociation and charge transfer dynamics: the CH ₃ I B-band. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 224001.	1.5	14
11	Photodissociation of aligned CH ₃ I and C ₆ H ₃ F ₂ I molecules probed with time-resolved Coulomb explosion imaging by site-selective extreme ultraviolet ionization. <i>Structural Dynamics</i> , 2018, 5, 014301.	2.3	40
12	Mode-Selective Laser Control of Palladium Catalyst Decomposition. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 157-162.	4.6	3
13	Time-resolved inner-shell photoelectron spectroscopy: From a bound molecule to an isolated atom. <i>Physical Review A</i> , 2018, 97, .	2.5	40
14	Communication: Gas-phase structural isomer identification by Coulomb explosion of aligned molecules. <i>Journal of Chemical Physics</i> , 2018, 148, .	3.0	35
15	Mass-resolved ion microscope imaging over expanded mass ranges using double-field post-extraction differential acceleration. <i>International Journal of Mass Spectrometry</i> , 2018, 429, 121-126.	1.5	4
16	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
17	Time-resolved multi-mass ion imaging: Femtosecond UV-VUV pump-probe spectroscopy with the PlmMS camera. <i>Journal of Chemical Physics</i> , 2017, 147, 013911.	3.0	20
18	Intramolecular cation-π interactions in protonated phenylalanine derivatives. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 729-734.	2.8	13

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19	Alignment, orientation, and Coulomb explosion of difluoriodobenzene studied with the pixel imaging mass spectrometry (PI-MMS) camera. <i>Journal of Chemical Physics</i> , 2017, 147, 013933.	3.0	26
20	Jitter-correction for IR/UV-XUV pump-probe experiments at the FLASH free-electron laser. <i>New Journal of Physics</i> , 2017, 19, 043009.	2.9	34
21	Coulomb-explosion imaging of concurrent CH_2Br photodissociation dynamics. <i>Physical Review A</i> , 2017, 96, ..	2.5	50
22	Communication: Three-fold covariance imaging of laser-induced Coulomb explosions. <i>Journal of Chemical Physics</i> , 2016, 144, 161105.	3.0	24
23	The structures and properties of proton- and alkali-bound cysteine dimers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4704-4710.	2.8	17
24	Three-dimensional imaging of carbonyl sulfide and ethyl iodide photodissociation using the pixel imaging mass spectrometry camera. <i>Review of Scientific Instruments</i> , 2015, 86, 103113.	1.3	27
25	Infrared-Driven Charge Transfer in Transition Metal $\text{B}_{12}\text{F}_{12}$ Clusters. <i>Journal of Physical Chemistry A</i> , 2015, 119, 8469-8475.	2.5	12
26	Assessing the impact of anion- π effects on phenylalanine ion structures using IRMPD spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24223-24234.	2.8	18
27	Insight into the Gas-Phase Structure of a Copper(II) $\text{I}^{\text{H}}\text{-Histidine}$ Complex, the Agent Used To Treat Menkes Disease. <i>Inorganic Chemistry</i> , 2014, 53, 2349-2351.	4.0	21
28	Persistent Intramolecular $\text{C}^{\text{H}}\cdots\text{X}$ (X = O or S) Hydrogen-Bonding in Benzyl Meldrum TM 's Acid Derivatives. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3795-3803.	2.5	16
29	Structural Investigation of Protonated Azidothymidine and Protonated Dimer. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 176-185.	2.8	2
30	Gas-Phase Structures of Pb^{2+} -Cationized Phenylalanine and Glutamic Acid Determined by Infrared Multiple Photon Dissociation Spectroscopy and Computational Chemistry. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1283-1290.	2.5	15
31	Structures and Physical Properties of Gaseous Metal Cationized Biological Ions. <i>European Journal of Mass Spectrometry</i> , 2012, 18, 235-250.	1.0	20
32	IRMPD spectroscopic and computational study of gas phase $[\text{M}(\text{Ura-H})(\text{Ura})]^+$ and $[\text{M}(\text{Ura-H})(\text{H}_2\text{O})_n]^+$ (M=Sr, Ba; n=1, 2) complexes. <i>International Journal of Mass Spectrometry</i> , 2012, 330-332, 233-240.	1.5	13
33	Water binding energies of $[\text{Pb}(\text{amino acid-H})\text{H}_2\text{O}]^+$ complexes determined by blackbody infrared radiative dissociation. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 15118.	2.8	11
34	Structures of Bare and Hydrated $[\text{Pb}(\text{AminoAcid-H})]^+$ Complexes Using Infrared Multiple Photon Dissociation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11506-11518.	2.6	34
35	Ring-chain equilibria of R-but-3-enoate esters R^{H} : A quantum mechanical study of direct and indirect ring-closing reactions. <i>Canadian Journal of Chemistry</i> , 2010, 88, 1094-1103.	1.1	3
36	Heterogeneous Proton-Bound Dimers with a High Dipole Moment Monomer: How Could We Experimentally Observe These Anomalous Ionic Hydrogen Bonds?. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10738-10744.	2.5	22