

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	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	Photodissociation of aligned CH_3I and $\text{C}_6\text{H}_3\text{F}_2\text{I}$ molecules probed with time-resolved Coulomb explosion imaging by site-selective extreme ultraviolet ionization. <i>Structural Dynamics</i> , 2018, 5, 014301.	2.3	40
4	Time-resolved inner-shell photoelectron spectroscopy: From a bound molecule to an isolated atom. <i>Physical Review A</i> , 2018, 97, .	2.5	40
5	Communication: Gas-phase structural isomer identification by Coulomb explosion of aligned molecules. <i>Journal of Chemical Physics</i> , 2018, 148, .	3.0	35
6	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
7	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
8	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
9	Alignment, orientation, and Coulomb explosion of difluoroiodobenzene studied with the pixel imaging mass spectrometry (PlmMS) camera. <i>Journal of Chemical Physics</i> , 2017, 147, 013933.	3.0	26
10	Communication: Three-fold covariance imaging of laser-induced Coulomb explosions. <i>Journal of Chemical Physics</i> , 2016, 144, 161105.	3.0	24
11	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
12	Insight into the Gas-Phase Structure of a Copper(II)-Histidine Complex, the Agent Used To Treat Menkes Disease. <i>Inorganic Chemistry</i> , 2014, 53, 2349-2351.	4.0	21
13	Structures and Physical Properties of Gaseous Metal Cationized Biological Ions. <i>European Journal of Mass Spectrometry</i> , 2012, 18, 235-250.	1.0	20
14	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
15	Assessing the impact of anion effects on phenylalanine ion structures using IRMPD spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24223-24234.	2.8	18
16	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
17	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
18	The structures and properties of proton- and alkali-bound cysteine dimers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4704-4710.	2.8	17

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19	Persistent Intramolecular C-H...X (X = O or S) Hydrogen-Bonding in Benzyl Meldrum's Acid Derivatives. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3795-3803.	2.5	16
20	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
21	Time-resolved site-selective imaging of predissociation and charge transfer dynamics: the CH3I B-band. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 224001.	1.5	14
22	IRMPD spectroscopic and computational study of gas phase [M(Ura-H)(Ura)] ⁺ and [M(Ura-H)(H ₂ O) _n] ⁺ (M= Sr, Ba; n=1, 2) complexes. <i>International Journal of Mass Spectrometry</i> , 2012, 330-332, 233-240.	1.5	13
23	Intramolecular cation-π interactions in protonated phenylalanine derivatives. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 729-734.	2.8	13
24	Infrared-Driven Charge Transfer in Transition Metal B ₁₂ F ₁₂ Clusters. <i>Journal of Physical Chemistry A</i> , 2015, 119, 8469-8475.	2.5	12
25	Water binding energies of [Pb(amino acid-H)H ₂ O] ⁺ complexes determined by blackbody infrared radiative dissociation. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 15118.	2.8	11
26	A localized view on molecular dissociation via electron-ion partial covariance. <i>Communications Chemistry</i> , 2022, 5, .	4.5	10
27	Microscope imaging mass spectrometry with a reflectron. <i>Review of Scientific Instruments</i> , 2020, 91, 023306.	1.3	9
28	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
29	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
30	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
31	Ring-chain equilibria of R-but-3-enoate esters – A quantum mechanical study of direct and indirect ring-closing reactions. <i>Canadian Journal of Chemistry</i> , 2010, 88, 1094-1103.	1.1	3
32	Mode-Selective Laser Control of Palladium Catalyst Decomposition. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 157-162.	4.6	3
33	High-Resolution Ion Microscope Imaging over Wide Mass Ranges Using Electrodynamical Postextraction Differential Acceleration. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1903-1909.	2.8	3
34	Post extraction inversion slice imaging for 3D velocity map imaging experiments. <i>Molecular Physics</i> , 2021, 119, e1842531.	1.7	3
35	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
36	Fragmentation Dynamics of Fluorene Explored Using Ultrafast XUV-Vis Pump-Probe Spectroscopy. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	2