

James N Bull

List of Publications by Year in descending order

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72
papers

1,189
citations

331642

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454934

30
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72
docs citations

72
times ranked

1115
citing authors

#	ARTICLE	IF	CITATIONS
1	Anion Resonances of <i>para</i> -Benzoquinone Probed by Frequency-Resolved Photoelectron Imaging. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11346-11354.	2.5	52
2	Ultrafast dynamics of temporary anions probed through the prism of photodetachment. <i>International Reviews in Physical Chemistry</i> , 2016, 35, 509-538.	2.3	51
3	Excited State Dynamics of the Isolated Green Fluorescent Protein Chromophore Anion Following UV Excitation. <i>Journal of Physical Chemistry B</i> , 2015, 119, 3982-3987.	2.6	49
4	Absolute Total Electron Impact Ionization Cross-Sections for Many-Atom Organic and Halocarbon Species. <i>Journal of Physical Chemistry A</i> , 2012, 116, 767-777.	2.5	48
5	Photoswitching an Isolated Donor-Acceptor Stenhouse Adduct. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 665-671.	4.6	46
6	Ultrafast dynamics of formation and autodetachment of a dipole-bound state in an open-shell π -stacked dimer anion. <i>Chemical Science</i> , 2016, 7, 5352-5361.	7.4	45
7	On the formation of anions: frequency-, angle-, and time-resolved photoelectron imaging of the menadione radical anion. <i>Chemical Science</i> , 2015, 6, 1578-1589.	7.4	44
8	Absolute electron total ionization cross-sections: molecular analogues of DNA and RNA nucleobase and sugar constituents. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10743-10752.	2.8	43
9	Observation and ultrafast dynamics of a nonvalence correlation-bound state of an anion. <i>Science Advances</i> , 2017, 3, e1603106.	10.3	40
10	Ultrafast valence to non-valence excited state dynamics in a common anionic chromophore. <i>Nature Communications</i> , 2019, 10, 5820.	12.8	37
11	Protomer-Specific Photochemistry Investigated Using Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2017, 121, 6021-6027.	2.5	32
12	Roadmap on dynamics of molecules and clusters in the gas phase. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	32
13	Absolute electron impact ionization cross-sections and polarisability volumes for C2 to C4 aldehydes, C4 and C6 symmetric ethers and C3 to C6 ketones. <i>International Journal of Mass Spectrometry</i> , 2008, 273, 53-57.	1.5	31
14	Differential-Mobility Spectrometry of 1-Deoxysphingosine Isomers: New Insights into the Gas Phase Structures of Ionized Lipids. <i>Analytical Chemistry</i> , 2018, 90, 5343-5351.	6.5	31
15	Photoelectron Spectroscopy of the Hexafluorobenzene Cluster Anions: $(C_6F_6)_n^-$ ($n = 1-5$) and $(C_6F_6)_n^-$. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1602-1612.	2.5	25
16	Monitoring Isomerization of Molecules in Solution Using Ion Mobility Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 11978-11981.	6.5	24
17	Double Molecular Photoswitch Driven by Light and Collisions. <i>Physical Review Letters</i> , 2018, 120, 223002.	7.8	24
18	Internal conversion outcompetes autodetachment from resonances in the deprotonated tetracene anion continuum. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 32464-32471.	2.8	23

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19	Photoisomerization of Protonated Azobenzenes in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2017, 121, 6413-6419.	2.5	23
20	Reversible Photoisomerization of the Isolated Green Fluorescent Protein Chromophore. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2647-2651.	4.6	23
21	Ion mobility action spectroscopy of flavin dianions reveals deprotomer-dependent photochemistry. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19672-19681.	2.8	23
22	Role of Nonvalence States in the Ultrafast Dynamics of Isolated Anions. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3507-3519.	2.5	22
23	Electron Ionization dynamics of N_2 . <i>Velocity-map imaging. Physical Review A</i> , 2015, 91, .	2.5	21
24	Isomerisation of an intramolecular hydrogen-bonded photoswitch: protonated azobis(2-imidazole). <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12776-12783.	2.8	21
25	Time-Resolved Photodetachment Anisotropy: Gas-Phase Rotational and Vibrational Dynamics of the Fluorescein Anion. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 189-194.	4.6	20
26	Anion resonances and above-threshold dynamics of coenzyme Q ₀ . <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16125-16135.	2.8	18
27	Photoinitiated Intramolecular Proton Transfer in Deprotonated <i>para</i> -Coumaric Acid. <i>Journal of Physical Chemistry A</i> , 2019, 123, 4419-4430.	2.5	18
28	On the Electron Affinity of Nitromethane (CH ₃ NO ₂). <i>Journal of Physical Chemistry A</i> , 2010, 114, 3622-3629.	2.5	17
29	Radiative cooling of carbon cluster anions C _{2n+1} ⁻ (n = 3-5). <i>European Physical Journal D</i> , 2020, 74, 1.	1.3	17
30	Unimolecular fragmentation and radiative cooling of isolated PAH ions: A quantitative study. <i>Journal of Chemical Physics</i> , 2020, 153, 154303.	3.0	17
31	Ultraslow radiative cooling of C _n ⁻ (n = 3-5). <i>Journal of Chemical Physics</i> , 2019, 151, 114304.	3.0	16
32	From EtoZ and back again: reversible photoisomerisation of an isolated charge-tagged azobenzene. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 509-513.	2.8	14
33	Reversible Photoswitching of Isolated Ionic Hemiindigos with Visible Light. <i>ChemPhysChem</i> , 2020, 21, 680-685.	2.1	14
34	Electron-impact-ionization dynamics of five C ₂ to C ₄ perfluorocarbons. <i>Physical Review A</i> , 2013, 88, .	2.5	13
35	Photodetachment and photoreactions of substituted naphthalene anions in a tandem ion mobility spectrometer. <i>Faraday Discussions</i> , 2019, 217, 34-46.	3.2	13
36	Electronic spectra of positively charged carbon clusters C _{2n+} ⁺ (n = 6-14). <i>Journal of Chemical Physics</i> , 2021, 155, 214302.	3.0	13

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37	Ultrafast photoisomerisation of an isolated retinoid. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10567-10579.	2.8	12
38	Dynamics of $\tilde{\text{I}}\epsilon^*$ -resonances in anionic clusters of para-toluquinone. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26589-26595.	2.8	11
39	Electron-impact-ionization dynamics of SF ₆ . <i>Physical Review A</i> , 2017, 96, .	2.5	11
40	Fingerprinting the Excited-State Dynamics in Methyl Ester and Methyl Ether Anions of Deprotonated <i>para</i> -Coumaric Acid. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2140-2151.	2.5	11
41	An ion mobility mass spectrometer coupled with a cryogenic ion trap for recording electronic spectra of charged, isomer-selected clusters. <i>Review of Scientific Instruments</i> , 2022, 93, 043201.	1.3	11
42	A new isomorph of ferrous chloride tetrahydrate: A ⁵⁷ Fe Mössbauer and X-ray crystallography study. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1746-1753.	4.0	10
43	Quantification of ions with identical mass-to-charge (<i>m/z</i>) ratios by velocity-map imaging mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13796.	2.8	10
44	Charged Particle Imaging of the Deprotonated Octatrienoic Acid Anion: Evidence for a Photoinduced Cyclization Reaction. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4635-4640.	4.6	9
45	Action spectroscopy of the isolated red Kaede fluorescent protein chromophore. <i>Journal of Chemical Physics</i> , 2021, 155, 124304.	3.0	9
46	Ferrous ammonium sulphate hexahydrate Mössbauer revisited: a combined ⁵⁷ Fe Mössbauer and X-ray single crystal study. <i>Hyperfine Interactions</i> , 2009, 194, 347-366.	0.5	7
47	Account: An Introduction to Velocity-Map Imaging Mass Spectrometry (VMIMS). <i>European Journal of Mass Spectrometry</i> , 2014, 20, 117-129.	1.0	7
48	Linkage Photoisomerization of an Isolated Ruthenium Sulfoxide Complex: Sequential versus Concerted Rearrangement. <i>Inorganic Chemistry</i> , 2018, 57, 5701-5706.	4.0	7
49	Photophysics of Isolated Rose Bengal Anions. <i>Journal of Physical Chemistry A</i> , 2020, 124, 8429-8438.	2.5	7
50	Autodetachment dynamics of 2-naphthoxide and implications for astrophysical anion abundance. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5817-5823.	2.8	7
51	Statistical vibrational autodetachment and radiative cooling rates of <i>para</i> -benzoquinone. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 12002-12010.	2.8	6
52	The Vitamin E Radical Probed by Anion Photoelectron Imaging. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7108-7113.	2.6	5
53	Photoelectron imaging as a probe of the repulsive Coulomb barrier in the photodetachment of antimony tartrate dianions. <i>Chemical Physics Letters</i> , 2016, 645, 138-143.	2.6	5
54	Online measurement of photoisomerisation efficiency in solution using ion mobility mass spectrometry. <i>Analyst</i> , 2017, 142, 2100-2103.	3.5	5

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55	Action spectroscopy of deprotomer-selected hydroxycinnamate anions. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	5
56	Complexation of Green and Red Kaede Fluorescent Protein Chromophores by a Zwitterion to Probe Electrostatic and Induction Field Effects. <i>Journal of Physical Chemistry A</i> , 2022, 126, 1158-1167.	2.5	5
57	Nonadiabatic Dynamics between Valence, Nonvalence, and Continuum Electronic States in a Heteropolycyclic Aromatic Hydrocarbon. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11811-11816.	4.6	4
58	Radiative cooling rates of substituted PAH ions. <i>Journal of Chemical Physics</i> , 2022, 157, .	3.0	4
59	Microscopic ^{57}Fe electric-field-gradient and anisotropic mean-squared-displacement tensors: ferrous chloride tetrahydrate. <i>Hyperfine Interactions</i> , 2010, 198, 273-293.	0.5	3
60	A Strong <i>cis</i> -Effect in an Imidazole-Imidazolium-Substituted Alkene. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8473-8480.	13.8	3
61	Near-infrared reversible photoswitching of an isolated azobenzene-stilbene dye. <i>Chemical Physics Letters</i> , 2020, 741, 137065.	2.6	3
62	Action spectroscopy of isomer-selected luciferin anions. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	3
63	Orientation dependence of the $\text{Na} + \text{CH}_3\text{NO}_2$ charge-transfer reaction. <i>Molecular Physics</i> , 2009, 107, 1123-1137.	1.7	2
64	Non-statistical fragmentation in photo-activated flavin mononucleotide anions. <i>Journal of Chemical Physics</i> , 2021, 155, 044305.	3.0	2
65	Photoisomerization of Linear and Stacked Isomers of a Charged Styryl Dye: A Tandem Ion Mobility Study. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2842-2851.	2.8	2
66	First-Principle Calculations on the Microscopic ^{57}Fe Electric-Field-Gradient Tensor of Ferrous Chloride Tetrahydrate: A Prototypical Mössbauer Species. <i>Journal of Physical Chemistry A</i> , 2011, 115, 10655-10663.	2.5	1
67	A Strong <i>cis</i> -Effect in an Imidazole-Imidazolium-Substituted Alkene. <i>Angewandte Chemie</i> , 2017, 129, 8593-8600.	2.0	1
68	Spectroscopic characterisation of radical polyinterhalogen molecules. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 8284-8288.	2.8	1
69	Comment on "On the Electron Affinity of Nitromethane (CH_3NO_2)". <i>Journal of Physical Chemistry A</i> , 2010, 114, 8018-8019.	2.5	0
70	Direct monitoring of photon induced isomerization, dissociation and electron detachment of the green fluorescent protein chromophore anion. <i>Journal of Physics: Conference Series</i> , 2017, 875, 032005.	0.4	0
71	Exotic systems: general discussion. <i>Faraday Discussions</i> , 2019, 217, 601-622.	3.2	0
72	Photo-induced σ -electrocyclisation and cycloreversion of isolated dithienylethene anions. <i>Physical Chemistry Chemical Physics</i> , 0, , .	2.8	0