

# James N Bull

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69  
papers

852  
citations

17  
h-index

25  
g-index

72  
ext. papers

1,040  
ext. citations

4.1  
avg, IF

4.7  
L-index

#	Paper	IF	Citations
69	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> , <b>2022</b> , 93, 043201	1.7	4
68	Statistical vibrational autodetachment and radiative cooling rates of -benzoquinone.. <i>Physical Chemistry Chemical Physics</i> , <b>2022</b> , 24, 12002-12010	3.6	2
67	Nonadiabatic Dynamics between Valence, Nonvalence, and Continuum Electronic States in a Heteropolycyclic Aromatic Hydrocarbon. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 11811-11816	6.4	2
66	Electronic spectra of positively charged carbon clusters-C (n = 6-14). <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 214302	3.9	8
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> , <b>2021</b> , 32, 2842-2851	3.5	
64	Action spectroscopy of isomer-selected luciferin anions. <i>European Physical Journal D</i> , <b>2021</b> , 75, 1	1.3	1
63	Roadmap on dynamics of molecules and clusters in the gas phase. <i>European Physical Journal D</i> , <b>2021</b> , 75, 1	1.3	8
62	Non-statistical fragmentation in photo-activated flavin mononucleotide anions. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 044305	3.9	0
61	Autodetachment dynamics of 2-naphthoxide and implications for astrophysical anion abundance. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 5817-5823	3.6	4
60	Action spectroscopy of deprotomer-selected hydroxycinnamate anions. <i>European Physical Journal D</i> , <b>2021</b> , 75, 1	1.3	4
59	Action spectroscopy of the isolated red Kaede fluorescent protein chromophore. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 124304	3.9	2
58	Fingerprinting the Excited-State Dynamics in Methyl Ester and Methyl Ether Anions of Deprotonated -Coumaric Acid. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 2140-2151	2.8	10
57	Near-infrared reversible photoswitching of an isolated azobenzene-stilbene dye. <i>Chemical Physics Letters</i> , <b>2020</b> , 741, 137065	2.5	2
56	Spectroscopic characterisation of radical polyinterhalogen molecules. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 8284-8288	3.6	0
55	Reversible Photoswitching of Isolated Ionic Hemiindigos with Visible Light. <i>ChemPhysChem</i> , <b>2020</b> , 21, 680-685	3.2	9
54	Photophysics of Isolated Rose Bengal Anions. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 8429-8438	2.8	1
53	Radiative cooling of carbon cluster anions C <sub>2n+1</sub> <sup>-</sup> (n = 3B). <i>European Physical Journal D</i> , <b>2020</b> , 74, 1	1.3	9

52	Unimolecular fragmentation and radiative cooling of isolated PAH ions: A quantitative study. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 154303	3.9	5
51	Role of Nonvalence States in the Ultrafast Dynamics of Isolated Anions. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 3507-3519	2.8	10
50	Photoelectron Spectroscopy of the Hexafluorobenzene Cluster Anions: (CF) ( n = 1-5) and I(CF). <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 1602-1612	2.8	17
49	Photodetachment and photoreactions of substituted naphthalene anions in a tandem ion mobility spectrometer. <i>Faraday Discussions</i> , <b>2019</b> , 217, 34-46	3.6	12
48	Ultrafast photoisomerisation of an isolated retinoid. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 10567-10579	3.6	10
47	Photoinitiated Intramolecular Proton Transfer in Deprotonated para-Coumaric Acid. <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 4419-4430	2.8	12
46	Exotic systems: general discussion. <i>Faraday Discussions</i> , <b>2019</b> , 217, 601-622	3.6	
45	Ultraslow radiative cooling of C ( n = 3-5). <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 114304	3.9	8
44	Ultrafast valence to non-valence excited state dynamics in a common anionic chromophore. <i>Nature Communications</i> , <b>2019</b> , 10, 5820	17.4	23
43	Linkage Photoisomerization of an Isolated Ruthenium Sulfoxide Complex: Sequential versus Concerted Rearrangement. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 5701-5706	5.1	6
42	Photoswitching an Isolated Donor-Acceptor Stenhouse Adduct. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 665-671	6.4	40
41	Reversible Photoisomerization of the Isolated Green Fluorescent Protein Chromophore. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 2647-2651	6.4	16
40	Differential-Mobility Spectrometry of 1-Deoxysphingosine Isomers: New Insights into the Gas Phase Structures of Ionized Lipids. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 5343-5351	7.8	23
39	Ion mobility action spectroscopy of flavin dianions reveals deprotomer-dependent photochemistry. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 19672-19681	3.6	16
38	Double Molecular Photoswitch Driven by Light and Collisions. <i>Physical Review Letters</i> , <b>2018</b> , 120, 223002	7.4	14
37	A Strong cis-Effect in an Imidazole-Imidazolium-Substituted Alkene. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8473-8480	16.4	3
36	A Strong cis-Effect in an Imidazole-Imidazolium-Substituted Alkene. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8593-8601	3.8	1
35	Isomerisation of an intramolecular hydrogen-bonded photoswitch: protonated azobis(2-imidazole). <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 12776-12783	3.6	15

34	Online measurement of photoisomerisation efficiency in solution using ion mobility mass spectrometry. <i>Analyst, The</i> , <b>2017</b> , 142, 2100-2103	5	5
33	Observation and ultrafast dynamics of a nonvalence correlation-bound state of an anion. <i>Science Advances</i> , <b>2017</b> , 3, e1603106	14.3	32
32	Dynamics of $\pi$ -resonances in anionic clusters of para-toluquinone. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 26589-26595	3.6	10
31	Electron-impact-ionization dynamics of SF <sub>6</sub> . <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	4
30	Protomer-Specific Photochemistry Investigated Using Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 6021-6027	2.8	20
29	Photoisomerization of Protonated Azobenzenes in the Gas Phase. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 6413-6419	2.8	19
28	Direct monitoring of photon induced isomerization, dissociation and electron detachment of the green fluorescent protein chromophore anion. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 875, 032005	0.3	
27	From E to Z and back again: reversible photoisomerisation of an isolated charge-tagged azobenzene. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 20, 509-513	3.6	10
26	Charged Particle Imaging of the Deprotonated Octatrienoic Acid Anion: Evidence for a Photoinduced Cyclization Reaction. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 4635-4640	6.4	7
25	Photoelectron imaging as a probe of the repulsive Coulomb barrier in the photodetachment of antimony tartrate dianions. <i>Chemical Physics Letters</i> , <b>2016</b> , 645, 138-143	2.5	4
24	Monitoring Isomerization of Molecules in Solution Using Ion Mobility Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 11978-11981	7.8	20
23	Ultrafast dynamics of formation and autodetachment of a dipole-bound state in an open-shell stacked dimer anion. <i>Chemical Science</i> , <b>2016</b> , 7, 5352-5361	9.4	34
22	Ultrafast dynamics of temporary anions probed through the prism of photodetachment. <i>International Reviews in Physical Chemistry</i> , <b>2016</b> , 35, 509-538	7	42
21	The Vitamin E Radical Probed by Anion Photoelectron Imaging. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 7108-13	3.4	4
20	Electron ionization dynamics of N <sub>2</sub> and O <sub>2</sub> molecules: Velocity-map imaging. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	16
19	Internal conversion outcompetes autodetachment from resonances in the deprotonated tetracene anion continuum. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 32464-71	3.6	20
18	Anion resonances and above-threshold dynamics of coenzyme Q <sub>0</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 16125-35	3.6	16
17	On the formation of anions: frequency-, angle-, and time-resolved photoelectron imaging of the menadione radical anion. <i>Chemical Science</i> , <b>2015</b> , 6, 1578-1589	9.4	41

16	Excited state dynamics of the isolated green fluorescent protein chromophore anion following UV excitation. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 3982-7	3.4	43
15	Time-Resolved Photodetachment Anisotropy: Gas-Phase Rotational and Vibrational Dynamics of the Fluorescein Anion. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 189-94	6.4	16
14	Anion resonances of para-benzoquinone probed by frequency-resolved photoelectron imaging. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 11346-54	2.8	44
13	Absolute electron total ionization cross-sections: molecular analogues of DNA and RNA nucleobase and sugar constituents. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 10743-52	3.6	29
12	An introduction to velocity-map imaging mass spectrometry (VMImMS). <i>European Journal of Mass Spectrometry</i> , <b>2014</b> , 20, 117-29	1.1	5
11	Quantification of ions with identical mass-to-charge (m/z) ratios by velocity-map imaging mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 13796-800	3.6	7
10	Electron-impact-ionization dynamics of five C2 to C4 perfluorocarbons. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	11
9	Absolute total electron impact ionization cross-sections for many-atom organic and halocarbon species. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 767-77	2.8	34
8	First-principle calculations on the microscopic <sup>57</sup> Fe electric-field-gradient tensor of ferrous chloride tetrahydrate: a prototypical Mössbauer species. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 10655-63	2.8	1
7	On the electron affinity of nitromethane (CH <sub>3</sub> NO <sub>2</sub> ). <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 3622-9	2.8	17
6	Comment on "On the electron affinity of nitromethane (CH <sub>3</sub> NO <sub>2</sub> )". <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 8018-9	2.8	
5	Microscopic <sup>57</sup> Fe electric-field-gradient and anisotropic mean-squared-displacement tensors: ferrous chloride tetrahydrate. <i>Hyperfine Interactions</i> , <b>2010</b> , 198, 273-293	0.8	3
4	A new isomorph of ferrous chloride tetrahydrate: A <sup>57</sup> Fe Mössbauer and X-ray crystallography study. <i>Journal of Physics and Chemistry of Solids</i> , <b>2010</b> , 71, 1746-1753	3.9	6
3	Orientation dependence of the Na + CH <sub>3</sub> NO <sub>2</sub> charge-transfer reaction. <i>Molecular Physics</i> , <b>2009</b> , 107, 1123-1137	1.7	2
2	Ferrous ammonium sulphate hexahydrate Mössbauer revisited: a combined <sup>57</sup> Fe Mössbauer and X-ray single crystal study. <i>Hyperfine Interactions</i> , <b>2009</b> , 194, 347-366	0.8	7
1	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> , <b>2008</b> , 273, 53-57	1.9	26