

# Brian Adamson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6677352/publications.pdf>

Version: 2024-02-01

18  
papers

681  
citations

759233

12  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1055  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spring constant calibration of atomic force microscope cantilevers of arbitrary shape. Review of Scientific Instruments, 2012, 83, 103705.	1.3	228
2	An ion mobility mass spectrometer for investigating photoisomerization and photodissociation of molecular ions. Review of Scientific Instruments, 2014, 85, 123109.	1.3	58
3	Detection of Aliphatically Bridged Multi-Core Polycyclic Aromatic Hydrocarbons in Sooting Flames with Atmospheric-Sampling High-Resolution Tandem Mass Spectrometry. Journal of Physical Chemistry A, 2018, 122, 9338-9349.	2.5	54
4	Changing the shape of molecular ions: photoisomerization action spectroscopy in the gas phase. Physical Chemistry Chemical Physics, 2013, 15, 9540.	2.8	52
5	Photoisomerization action spectroscopy: flicking the protonated merocyanine "spiropyran switch in the gas phase. Physical Chemistry Chemical Physics, 2015, 17, 25676-25688.	2.8	46
6	Retinal shows its true colours: photoisomerization action spectra of mobility-selected isomers of the retinal protonated Schiff base. Physical Chemistry Chemical Physics, 2015, 17, 22623-22631.	2.8	35
7	Photoisomerization action spectrum of retinal protonated Schiff base in the gas phase. Journal of Chemical Physics, 2014, 140, 164307.	3.0	29
8	The aerosol impact spectrometer: a versatile platform for studying the velocity dependence of nanoparticle-surface impact phenomena. EPJ Techniques and Instrumentation, 2017, 4, .	1.3	28
9	Photoisomerization of Protonated Azobenzenes in the Gas Phase. Journal of Physical Chemistry A, 2017, 121, 6413-6419.	2.5	23
10	Standardized Optical Constants for Soot Quantification in High-Pressure Sprays. SAE International Journal of Engines, 0, 11, 805-816.	0.4	22
11	Photoacoustic detection of gases using microcantilevers. Journal of Applied Physics, 2009, 106, .	2.5	21
12	Ion Mobility Unlocks the Photofragmentation Mechanism of Retinal Protonated Schiff Base. Journal of Physical Chemistry Letters, 2014, 5, 3195-3199.	4.6	21
13	Photoisomerization Action Spectroscopy of the Carbocyanine Dye DTC <sup>+</sup> in the Gas Phase. Journal of Physical Chemistry A, 2013, 117, 13319-13325.	2.5	20
14	Photo and Collision Induced Isomerization of a Cyclic Retinal Derivative: An Ion Mobility Study. Journal of the American Society for Mass Spectrometry, 2016, 27, 1483-1490.	2.8	12
15	An ion mobility mass spectrometer coupled with a cryogenic ion trap for recording electronic spectra of charged, isomer-selected clusters. Review of Scientific Instruments, 2022, 93, 043201.	1.3	11
16	Seleniranium Ions Undergo $\pi$ -Ligand Exchange via an Associative Mechanism in the Gas Phase. Journal of Organic Chemistry, 2017, 82, 6289-6297.	3.2	10
17	Linkage Photoisomerization of an Isolated Ruthenium Sulfoxide Complex: Sequential versus Concerted Rearrangement. Inorganic Chemistry, 2018, 57, 5701-5706.	4.0	7
18	Photoisomerization of $\beta^2$ -Ionone Protonated Schiff Base in the Gas Phase. Journal of Physical Chemistry A, 2016, 120, 6557-6562.	2.5	4