Adam Simon Chatterley

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Direct Observation of Hydrogen Tunneling Dynamics in Photoexcited Phenol. Journal of Physical Chemistry Letters, 2012, 3, 348-352.	4.6	125
2	Taking the green fluorescence out of the protein: dynamics of the isolated GFP chromophore anion . Chemical Science, 2013, 4, 921-927.	7.4	75
3	Probing ultrafast dynamics in photoexcited pyrrole: timescales for 1ï€ïƒ* mediated H-atom elimination. Faraday Discussions, 2013, 163, 95.	3.2	73
4	Manipulating dynamics with chemical structure: probing vibrationally-enhanced tunnelling in photoexcited catechol. Physical Chemistry Chemical Physics, 2013, 15, 6879.	2.8	48
5	Time-resolved photoelectron imaging of the isolated deprotonated nucleotides. Chemical Science, 2014, 5, 3963-3975.	7.4	46
6	Mapping the Ultrafast Dynamics of Adenine onto Its Nucleotide and Oligonucleotides by Time-Resolved Photoelectron Imaging. Journal of Physical Chemistry Letters, 2014, 5, 843-848.	4.6	43
7	Long-lasting field-free alignment of large molecules inside helium nanodroplets. Nature Communications, 2019, 10, 133.	12.8	41
8	Strongly aligned molecules inside helium droplets in the near-adiabatic regime. Journal of Chemical Physics, 2017, 147, 013946.	3.0	34
9	Effect of Internal Energy on the Repulsive Coulomb Barrier of Polyanions. Physical Review Letters, 2012, 108, 083003.	7.8	33
10	Shapes of rotating superfluid helium nanodroplets. Physical Review B, 2017, 95, .	3.2	33
11	Femtosecond Photoelectron Imaging of Aligned Polyanions: Probing Molecular Dynamics through the Electron–Anion Coulomb Repulsion. Journal of Physical Chemistry Letters, 2012, 3, 834-838.	4.6	30
12	Excited states of multiply-charged anions probed by photoelectron imaging: riding the repulsive Coulomb barrier. Physical Chemistry Chemical Physics, 2014, 16, 15043-15052.	2.8	30
13	Three-Dimensional Molecular Alignment Inside Helium Nanodroplets. Physical Review Letters, 2017, 119, 073202.	7.8	29
14	On the intrinsic photophysics of indigo: a time-resolved photoelectron spectroscopy study of the indigo carmine dianion. Physical Chemistry Chemical Physics, 2012, 14, 16155.	2.8	25
15	Tracing the 267 nm-Induced Radical Formation in Dimethyl Disulfide Using Time-Resolved X-ray Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 1382-1387.	4.6	24
16	Timescales for adiabatic photodissociation dynamics from the AIf state of ammonia. Journal of Chemical Physics, 2013, 139, 034318.	3.0	23
17	Rotational Coherence Spectroscopy of Molecules in Helium Nanodroplets: Reconciling the Time and the Frequency Domains. Physical Review Letters, 2020, 125, 013001.	7.8	23
18	Structure determination of the tetracene dimer in helium nanodroplets using femtosecond strong-field ionization. Structural Dynamics, 2019, 6, 044301.	2.3	22

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19	Base-Specific Ionization of Deprotonated Nucleotides by Resonance Enhanced Two-Photon Detachment. Journal of Physical Chemistry A, 2013, 117, 5299-5305.	2.5	21
20	Tracking dissociation dynamics of strong-field ionized 1,2-dibromoethane with femtosecond XUV transient absorption spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 14644-14653.	2.8	21
21	Time-Resolved Photodetachment Anisotropy: Gas-Phase Rotational and Vibrational Dynamics of the Fluorescein Anion. Journal of Physical Chemistry Letters, 2015, 6, 189-194.	4.6	20
22	Communication: Switched wave packets with spectrally truncated chirped pulses. Journal of Chemical Physics, 2018, 148, 221105.	3.0	20
23	Tutorials in vibrational sum frequency generation spectroscopy. II. Designing a broadband vibrational sum frequency generation spectrometer. Biointerphases, 2022, 17, 011202.	1.6	19
24	Relaxation dynamics of photoexcited resorcinol: internal conversion versus H atom tunnelling. Physical Chemistry Chemical Physics, 2014, 16, 550-562.	2.8	18
25	Tutorials in vibrational sum frequency generation spectroscopy. I. The foundations. Biointerphases, 2022, 17, 011201.	1.6	17
26	Dissociation Dynamics and Electronic Structures of Highly Excited Ferrocenium Ions Studied by Femtosecond XUV Absorption Spectroscopy. Journal of Physical Chemistry A, 2016, 120, 9509-9518.	2.5	16
27	Probing ultrafast C–Br bond fission in the UV photochemistry of bromoform with core-to-valence transient absorption spectroscopy. Structural Dynamics, 2019, 6, 054304.	2.3	16
28	Laser-induced alignment dynamics of gas phase CS ₂ dimers. Physical Chemistry Chemical Physics, 2020, 22, 3245-3253.	2.8	14
29	Influence of the repulsive Coulomb barrier on photoelectron spectra and angular distributions in a resonantly excited dianion. Journal of Chemical Physics, 2013, 139, 084302.	3.0	13
30	Tunneling Dynamics of the NH ₃ (Ã) State Observed by Time-Resolved Photoelectron and H Atom Kinetic Energy Spectroscopies. Journal of Physical Chemistry A, 2014, 118, 9438-9444.	2.5	13
31	Direct observation of ring-opening dynamics in strong-field ionized selenophene using femtosecond inner-shell absorption spectroscopy. Journal of Chemical Physics, 2016, 145, 234313.	3.0	13
32	Laser-induced Coulomb-explosion imaging of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:msub> <mml:mi>CS </mml:mi> <mml:mn>2 dimer: The effect of non-Coulombic interactions. Physical Review A, 2020, 102, .</mml:mn></mml:msub></mml:math 	nn∞x\$mml	:msusb>
33	Laser-Induced Coulomb Explosion Imaging of Aligned Molecules and Molecular Dimers. Annual Review of Physical Chemistry, 2022, 73, 323-347.	10.8	13
34	Effects of resonant excitation, pulse duration and intensity on photoelectron imaging of a dianion. Physical Chemistry Chemical Physics, 2014, 16, 489-496.	2.8	11
35	Electrostatics Trigger Interfacial Self-Assembly of Bacterial Ice Nucleators. Biomacromolecules, 2022, 23, 505-512.	5.4	7
36	Excited rotational states of molecules in a superfluid. Physical Review A, 2021, 104, .	2.5	7

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37	Observation of rotational revivals for iodine molecules in helium droplets using a near-adiabatic laser pulse. Physical Review A, 2018, 97, .	2.5	6
38	Laser-induced Coulomb explosion imaging of (C ₆ H ₅ Br) ₂ and C ₆ H ₅ Br–l ₂ dimers in helium nanodroplets using a Tpx3Cam. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 184001.	1.5	6
39	Relaxation dynamics of photoexcited dihydroxybenzene: A comparative study. Biomedical Spectroscopy and Imaging, 2014, 3, 271-279.	1.2	4
40	Photoelectron angular distributions from resonant two-photon ionisation of adiabatically aligned naphthalene and aniline molecules. Molecular Physics, 2021, 119, e1836411.	1.7	4
41	A liquid surface height controller for surface spectroscopy. Review of Scientific Instruments, 2021, 92, 094104.	1.3	3
42	Charging and ion ejection dynamics of large helium nanodroplets exposed to intense femtosecond soft X-ray pulses. European Physical Journal: Special Topics, 0, , 1.	2.6	3
43	Structure and Orientation of the SARS-Coronavirus-2 Spike Protein at Air–Water Interfaces. Journal of Physical Chemistry B, 2022, 126, 3425-3430.	2.6	3
44	Laser-Induced Alignment of Molecules inÂHelium Nanodroplets. Topics in Applied Physics, 2022, , 381-445.	0.8	3
45	A simple model for high rotational excitations of molecules in a superfluid. New Journal of Physics, 2022, 24, 075004.	2.9	2
46	Photo-induced dynamics in bromoform molecules studied by femtosecond XUV transient absorption spectroscopy. EPJ Web of Conferences, 2019, 205, 06003.	0.3	1