

Jason B Greenwood

List of Publications by Year in descending order

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86
papers

2,120
citations

331670

21
h-index

243625

44
g-index

86
all docs

86
docs citations

86
times ranked

2053
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast electron dynamics in phenylalanine initiated by attosecond pulses. <i>Science</i> , 2014, 346, 336-339.	12.6	615
2	Experimental investigation of the processes determining x-ray emission intensities from charge-exchange collisions. <i>Physical Review A</i> , 2001, 63, .	2.5	112
3	Observation of Ultrafast Charge Migration in an Amino Acid. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3751-3754.	4.6	108
4	Charge migration induced by attosecond pulses in bio-relevant molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 142001.	1.5	80
5	Attosecond Pump-Probe Spectroscopy of Charge Dynamics in Tryptophan. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4570-4577.	4.6	74
6	Measurement of Charge Exchange and X-Ray Emission Cross Sections for Solar Wind-Comet Interactions. <i>Astrophysical Journal</i> , 2000, 533, L175-L178.	4.5	74
7	Real-time determination of enantiomeric and isomeric content using photoelectron elliptical dichroism. <i>Nature Communications</i> , 2018, 9, 5212.	12.8	65
8	Measurements of Absolute, Single Charge-Exchange Cross Sections of H documentclass{aastex} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} ewcommandcyr{enewcommandmdefault{wncyr}enewcommandsfdefault{wncyss}enewcommandencodingdefault{OT2}ormalfontselectfont} DeclareTextFontCommand{e. Astr	4.5	60
9	X-ray and extreme ultraviolet emissions from comets. <i>Space Science Reviews</i> , 2004, 113, 271-373.	8.1	60
10	Above Threshold Dissociation of Vibrationally ColdHD+Molecules. <i>Physical Review Letters</i> , 2007, 98, 163001.	7.8	46
11	LIAD-fs scheme for studies of ultrafast laser interactions with gas phase biomolecules. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 6289.	2.8	45
12	Real-time observation of a correlation-driven sub 3%fs charge migration in ionised adenine. <i>Communications Chemistry</i> , 2021, 4, .	4.5	38
13	A new technique for probing chirality via photoelectron circular dichroism. <i>Analytica Chimica Acta</i> , 2017, 984, 134-139.	5.4	35
14	Large Angle Elastic Scattering of Electrons from Ar+. <i>Physical Review Letters</i> , 1995, 75, 1062-1065.	7.8	33
15	Ultrafast non-radiative decay of gas-phase nucleosides. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23643-23650.	2.8	31
16	Multi-pulse scheme for enhancing electron localization through vibrational wavepacket manipulation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 011001.	1.5	26
17	Ultraviolet relaxation dynamics in uracil: Time-resolved photoion yield studies using a laser-based thermal desorption source. <i>Journal of Chemical Physics</i> , 2018, 149, 034301.	3.0	25
18	Evidence for Rescattering in Intense, Femtosecond Laser Interactions with a Negative Ion. <i>Physical Review Letters</i> , 2004, 93, 223001.	7.8	24

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19	The Contribution of Charge Exchange to Extreme Ultra-Violet and X-ray Astronomy. <i>Physica Scripta</i> , 2004, 110, 358.	2.5	24
20	Experimental cross sections for electron excitation of the $2s^2S + 2p^2P$ transition in C^{3+} . <i>Physical Review A</i> , 1999, 59, 1348-1354.	2.5	22
21	Proton irradiation of DNA nucleosides in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7172-7180.	2.8	22
22	Short pulse laser-induced dissociation of vibrationally cold, trapped molecular ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 154027.	1.5	21
23	Measurement and calculation of absolute single- and multiple charge-exchange cross sections for Fe impacting CO and CO ₂ . <i>Physical Review A</i> , 2011, 82, 043103.	1.3	21
24	A comb-sampling method for enhanced mass analysis in linear electrostatic ion traps. <i>Review of Scientific Instruments</i> , 2011, 82, 043103.	1.3	21
25	Ultrafast dynamics in the DNA building blocks thymidine and thymine initiated by ionizing radiation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19815-19821.	2.8	20
26	Ultrafast science and development at the Artemis facility. , 2009, , .		19
27	Ultrafast Charge Dynamics in an Amino Acid Induced by Attosecond Pulses. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 1-12.	2.9	19
28	State-selective one-electron capture from He, Ne and Ar by 4 keV state-prepared ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 5867-5880.	1.5	18
29	Resonantly Enhanced Multiphoton Ionization Spectrum of the Neutral Green Fluorescent Protein Chromophore. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3588-3592.	4.6	18
30	Suppression of Multiple Ionization of Atomic Ions in Intense Ultrafast Laser Pulses. <i>Physical Review Letters</i> , 2002, 88, 233001.	7.8	16
31	Lifetimes of the $2s^2 2p^2 P$ intercombination transitions of C^{3+} . <i>Physical Review A</i> , 1999, 60, 3569-3574.	2.5	15
32	Absolute cross sections for single and double charge-exchange in Fe ^{q+} impacting on He. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 3303-3314.	1.5	15
33	X-Ray and extreme ultraviolet emissions from comets. <i>Space Science Reviews</i> , 2004, 113, 271-374.	8.1	15
34	Photodissociation of D ₃ in an intense, femtosecond laser field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 141004.	1.5	15
35	Determination of absolute ion yields from a MALDI source through calibration of an image-charge detector. <i>Measurement Science and Technology</i> , 2010, 21, 045802.	2.6	15
36	Characterization and recent modifications of a compact 10 GHz Electron Cyclotron Resonance (ECR) ion source for atomic physics experiments. <i>Physica Scripta</i> , 1997, T73, 380-381.	2.5	14

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37	Absolute cross sections for charge-exchange in 3He ²⁺ and H ⁺ impact on CO. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 2515-2524.	1.5	13
38	State-selective one-electron capture by 4 keV ground state and metastable ions in collisions with and. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 1531-1541.	1.5	12
39	usepackage{amsmaths} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} ewcommandcyr{enewcommandmdefault{wncyr} anewcommandsfdefault{wncyss} anewcommandencodingdefault{OT2} onmalfont selectfont} \end{document}	4.5	12
40	The role of dissociative electron capture in collisions of slow He ²⁺ ions with CO. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 3401-3406.	1.5	12
41	Low-energy elastic backscattering of electrons from Ar ⁺ . Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, L307-L311.	1.5	11
42	MEASUREMENT AND CALCULATION OF ABSOLUTE SINGLE AND MULTIPLE CHARGE EXCHANGE CROSS SECTIONS FOR Fe ^{q+} IONS IMPACTING H ₂ O. Astrophysical Journal, 2010, 722, 435-439.	4.5	10
43	Measurement of absolute charge exchange cross sections for He ⁺ collisions with He and H ₂ . Physical Review A, 2011, 84, .	2.5	10
44	Redistribution of vibrational population in a molecular ion with nonresonant strong-field laser pulses. Physical Review A, 2011, 83, .	2.5	10
45	The first use of state-prepared beams of in studies of state-selective electron capture collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, L599-L603.	1.5	9
46	Double ionization of atomic negative ions in an intense laser field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, L235-L240.	1.5	9
47	High harmonic generation by halogen anions and noble gas atoms in a laser field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 1867-1880.	1.5	9
48	Fragmentation of Neutral Amino Acids and Small Peptides by Intense, Femtosecond Laser Pulses. Journal of the American Society for Mass Spectrometry, 2013, 24, 1366-1375.	2.8	9
49	Experimental observation of superelastic scattering of electrons from a positive ion. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, L555-L558.	1.5	8
50	A technique for absolute measurements in near threshold excitation of positive ions: application to excitation of. Measurement Science and Technology, 1998, 9, 930-938.	2.6	8
51	Dynamics of electronically excited states in the eumelanin building block 5,6-dihydroxyindole. Physical Chemistry Chemical Physics, 2019, 21, 8152-8160.	2.8	8
52	State-selective electron capture by state-prepared ions in collisions with molecular hydrogen. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, L323-L328.	1.5	7
53	Elastic scattering of electrons from multiply charged ions. Physica Scripta, 1997, T73, 119-120.	2.5	7
54	Femtosecond lasers for mass spectrometry: Proposed application to catalytic hydrogenation of butadiene. Analyst, The, 2012, 137, 64-69.	3.5	7

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55	Above-threshold dissociation of the molecular ion HD^+ in a moderate-intensity femtosecond laser field from the calculation of time-of-flight spectra. <i>Physical Review A</i> , 2017, 96, .	2.5	7
56	Using photoelectron elliptical dichroism (PEELD) to determine real-time variation of enantiomeric excess. <i>Chirality</i> , 2020, 32, 1225-1233.	2.6	7
57	State-selective one-electron capture by ground-state ions in slow collisions with He, Ne and Ar using double translational energy spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, 4559-4568.	1.5	6
58	Superelastic scattering of electrons from Ar^{3+} . <i>Physica Scripta</i> , 1997, T73, 121-122.	2.5	6
59	Theoretical and experimental study of the extreme ultraviolet photoabsorption spectrum of triply ionized yttrium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, 4663-4680.	1.5	5
60	Quasi-classical model of non-destructive wavepacket manipulation by intense ultrashort nonresonant laser pulses. <i>New Journal of Physics</i> , 2010, 12, 073019.	2.9	5
61	Detection limits of organic compounds achievable with intense, short-pulse lasers. <i>Analyst</i> , 2015, 140, 4270-4276.	3.5	5
62	Absolute Measurements of Electron Excitation Cross Sections in C^{3+} . <i>Physica Scripta</i> , 1999, T80, 281.	2.5	5
63	Elastic scattering of electrons from highly charged ions in plasmas. <i>Physica Scripta</i> , 1997, T73, 108-109.	2.5	4
64	Controlled redistribution of vibrational population by few-cycle strong-field laser pulses. <i>Faraday Discussions</i> , 2011, 153, 343.	3.2	4
65	Effects of Charge Location on the Absorptions and Lifetimes of Protonated Tyrosine Peptides in Vacuo. <i>Journal of Physical Chemistry A</i> , 2012, 116, 1701-1709.	2.5	4
66	Microcontroller based double beam modulation system for atomic scattering experiments. <i>Measurement Science and Technology</i> , 2001, 12, 1480-1485.	2.6	3
67	Ultrafast dynamics of adenine following XUV ionization. <i>JPhys Photonics</i> , 0, , .	4.6	2
68	State-selective electron capture by 4 keV state-prepared beams of ground state and metastable C^{2+} ions. <i>Physica Scripta</i> , 1997, T73, 179-181.	2.5	1
69	Low-energy electron collisions with multiply-charged positive ions. , 1998, , .		1
70	Electron-ion collision studies using a 14.0 GHz ECRIS. , 1999, , .		1
71	X-ray Emission from Charge Exchange of Highly-Charged Ions in Atoms and Molecules. <i>Physica Scripta</i> , 2001, T92, 150-152.	2.5	1
72	LIAD-fs: A novel method for studies of ultrafast processes in gas phase neutral biomolecules. <i>Journal of Physics: Conference Series</i> , 2012, 388, 012032.	0.4	1

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73	Production of state-prepared beams of multiply charged ions for studies of state-selective electron capture collisions. <i>Physica Scripta</i> , 1997, T73, 387-389.	2.5	0
74	An ultra compact 10 GHz electron-cyclotron-resonance ion source (ECRIS) for the production of multiply charged ions. , 1997, , .		0
75	Technique for studies of state-selective electron capture in collisions involving slow state-prepared multiply charged ions. , 1997, , .		0
76	X-ray emission from electron capture by highly-charged ions. <i>AIP Conference Proceedings</i> , 2001, , . <small>Publisher's Note: Measurement and calculation of absolute single- and multiple-charge-exchange cross sections for Fe</small>	0.4	0
77	<small>cross sections for Fe</small> $\frac{d\sigma}{d\Omega} = \frac{d\sigma_{\text{single}}}{d\Omega} + \frac{d\sigma_{\text{double}}}{d\Omega}$ <small>impacting CO and CO</small>		0
78	Fragmentation of Organic Molecules by Intense Femtosecond Lasers. <i>Journal of Physics: Conference Series</i> , 2012, 388, 032080.	0.4	0
79	KEIRA-CHIMERA: A new method in high resolution mass spectrometry. <i>Journal of Physics: Conference Series</i> , 2012, 388, 142024.	0.4	0
80	LIAD-FS: A new technique for gas-phase studies of biomolecules. <i>Journal of Physics: Conference Series</i> , 2012, 388, 032050.	0.4	0
81	Femtosecond laser induced ionisation and fragmentation of amino acids and DNA bases. <i>Journal of Physics: Conference Series</i> , 2012, 388, 032062.	0.4	0
82	Attosecond snapshots: imaging charge transfer in molecules using EUV light. <i>Journal of Physics: Conference Series</i> , 2012, 388, 032066.	0.4	0
83	Ultrafast electron dynamics in an amino acid measured by attosecond pulses. , 2013, , .		0
84	Attosecond Electron Spectroscopy in Molecules. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2016, , 143-160.	0.2	0
85	Asymmetric photoelectron emission from chiral molecules using a high repetition rate laser. <i>Journal of Physics: Conference Series</i> , 2019, 1289, 012027.	0.4	0
86	Ultrafast Electron Transfer in an Amino Acid Induced by Attosecond Pulses. , 2013, , .		0