

Jason B Greenwood

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2141184/publications.pdf>

Version: 2024-02-01

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	Real-time observation of a correlation-driven sub 3â€‰%fs charge migration in ionised adenine. Communications Chemistry, 2021, 4, .	4.5	38
2	Using photoelectron elliptical dichroism (PEELD) to determine realâ€‰time variation of enantiomeric excess. Chirality, 2020, 32, 1225-1233.	2.6	7
3	Asymmetric photoelectron emission from chiral molecules using a high repetition rate laser. Journal of Physics: Conference Series, 2019, 1289, 012027.	0.4	0
4	Dynamics of electronically excited states in the eumelanin building block 5,6-dihydroxyindole. Physical Chemistry Chemical Physics, 2019, 21, 8152-8160.	2.8	8
5	Real-time determination of enantiomeric and isomeric content using photoelectron elliptical dichroism. Nature Communications, 2018, 9, 5212.	12.8	65
6	Attosecond Pumpâ€‰Probe Spectroscopy of Charge Dynamics in Tryptophan. Journal of Physical Chemistry Letters, 2018, 9, 4570-4577.	4.6	74
7	Ultraviolet relaxation dynamics in uracil: Time-resolved photoion yield studies using a laser-based thermal desorption source. Journal of Chemical Physics, 2018, 149, 034301.	3.0	25
8	Ultrafast dynamics in the DNA building blocks thymidine and thymine initiated by ionizing radiation. Physical Chemistry Chemical Physics, 2017, 19, 19815-19821.	2.8	20
9	Above-threshold dissociation of the molecular ion HD^+ in a moderate-intensity femtosecond laser field from the calculation of time-of-flight spectra. Physical Review A, 2017, 96, .	2.5	7
10	A new technique for probing chirality via photoelectron circular dichroism. Analytica Chimica Acta, 2017, 984, 134-139.	5.4	35
11	Charge migration induced by attosecond pulses in bio-relevant molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 142001.	1.5	80
12	Attosecond Electron Spectroscopy in Molecules. Springer Series on Atomic, Optical, and Plasma Physics, 2016, , 143-160.	0.2	0
13	Proton irradiation of DNA nucleosides in the gas phase. Physical Chemistry Chemical Physics, 2015, 17, 7172-7180.	2.8	22
14	Detection limits of organic compounds achievable with intense, short-pulse lasers. Analyst, The, 2015, 140, 4270-4276.	3.5	5
15	Ultrafast Charge Dynamics in an Amino Acid Induced by Attosecond Pulses. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 1-12.	2.9	19
16	Ultrafast non-radiative decay of gas-phase nucleosides. Physical Chemistry Chemical Physics, 2015, 17, 23643-23650.	2.8	31
17	Ultrafast electron dynamics in phenylalanine initiated by attosecond pulses. Science, 2014, 346, 336-339.	12.6	615
18	Resonantly Enhanced Multiphoton Ionization Spectrum of the Neutral Green Fluorescent Protein Chromophore. Journal of Physical Chemistry Letters, 2014, 5, 3588-3592.	4.6	18

#	ARTICLE	IF	CITATIONS
37	MEASUREMENT AND CALCULATION OF ABSOLUTE SINGLE AND MULTIPLE CHARGE EXCHANGE CROSS SECTIONS FOR Fe^{i+q} IONS IMPACTING H_2O . Astrophysical Measurement and Calculation of absolute single- and multiple-charge-exchange cross sections for Fe^{i+q} ions impacting CO and CO_2 . <i>Measurement Science and Technology</i> , 2010, 21, 045802. Publisher's Note: Measurement and calculation of absolute single- and multiple-charge-exchange cross sections for Fe^{i+q} ions impacting CO and CO_2 .	4.5	10
38	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
39	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
40	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
41	Ultrafast science and development at the Artemis facility. , 2009, , .		19
42	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
43	Above Threshold Dissociation of Vibrationally Cold HD^+ Molecules. <i>Physical Review Letters</i> , 2007, 98, 163001.	7.8	46
44	High harmonic generation by halogen anions and noble gas atoms in a laser field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 1867-1880.	1.5	9
45	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
46	Evidence for Rescattering in Intense, Femtosecond Laser Interactions with a Negative Ion. <i>Physical Review Letters</i> , 2004, 93, 223001.	7.8	24
47	X-Ray and extreme ultraviolet emissions from comets. <i>Space Science Reviews</i> , 2004, 113, 271-374.	8.1	15
48	X-ray and extreme ultraviolet emissions from comets. <i>Space Science Reviews</i> , 2004, 113, 271-373.	8.1	60
49	The Contribution of Charge Exchange to Extreme Ultra-Violet and X-ray Astronomy. <i>Physica Scripta</i> , 2004, 110, 358.	2.5	24
50	Double ionization of atomic negative ions in an intense laser field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, L235-L240.	1.5	9
51	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
52	Suppression of Multiple Ionization of Atomic Ions in Intense Ultrafast Laser Pulses. <i>Physical Review Letters</i> , 2002, 88, 233001.	7.8	16

#	ARTICLE	IF	CITATIONS
55	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
56	Experimental investigation of the processes determining x-ray emission intensities from charge-exchange collisions. Physical Review A, 2001, 63, .	2.5	112
57	X-ray Emission from Charge Exchange of Highly-Charged Ions in Atoms and Molecules. Physica Scripta, 2001, T92, 150-152.	2.5	1
58	X-ray emission from electron capture by highly-charged ions. AIP Conference Proceedings, 2001, , .	0.4	0
59	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
60	Microcontroller based double beam modulation system for atomic scattering experiments. Measurement Science and Technology, 2001, 12, 1480-1485.	2.6	3
61	Measurements of Absolute, Single Beam Charge-Exchange Cross Sections of H	4.5	60
62	Electron Excitation Cross Sections for the	4.5	12
63	Measurement of Charge Exchange and X-Ray Emission Cross Sections for Solar Wind "Comet Interactions. Astrophysical Journal, 2000, 533, L175-L178.	4.5	74
64	Electron-ion collision studies using a 14.0 GHz ECRIS. , 1999, , .		1
65	Lifetimes of the 2s ² 2p ² P ^o " 2s ² 2p ² P intercombination transitions of C ⁺ . Physical Review A, 1999, 60, 3569-3574.	2.5	15
66	Experimental cross sections for electron excitation of the 2s ² 2s ⁺ 2p ² P transition in C ³⁺ . Physical Review A, 1999, 59, 1348-1354.	2.5	22
67	Absolute Measurements of Electron Excitation Cross Sections in C ³⁺ . Physica Scripta, 1999, T80, 281.	2.5	5
68	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
69	Low-energy electron collisions with multiply-charged positive ions. , 1998, , .		1
70	State-selective one-electron capture by ground-state ions in slow collisions with He, Ne and Ar using double translational energy spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 4559-4568.	1.5	6
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	Characterization and recent modifications of a compact 10 GHz Electron Cyclotron Resonance (ECR) ion source for atomic physics experiments. Physica Scripta, 1997, T73, 380-381.	2.5	14
74	Production of state-prepared beams of multiply charged ions for studies of state-selective electron capture collisions. Physica Scripta, 1997, T73, 387-389.	2.5	0
75	Elastic scattering of electrons from multiply charged ions. Physica Scripta, 1997, T73, 119-120.	2.5	7
76	Superelastic scattering of electrons from Ar ³⁺ . Physica Scripta, 1997, T73, 121-122.	2.5	6
77	Elastic scattering of electrons from highly charged ions in plasmas. Physica Scripta, 1997, T73, 108-109.	2.5	4
78	State-selective electron capture by 4 keV state-prepared beams of ground state and metastable C ²⁺ ions. Physica Scripta, 1997, T73, 179-181.	2.5	1
79	An ultra compact 10 GHz electron-cyclotron-resonance ion source (ECRIS) for the production of multiply charged ions. , 1997, , .		0
80	Technique for studies of state-selective electron capture in collisions involving slow state-prepared multiply charged ions. , 1997, , .		0
81	State-selective one-electron capture from He, Ne and Ar by 4 keV state-prepared ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 5867-5880.	1.5	18
82	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
83	Large Angle Elastic Scattering of Electrons from Ar ⁺ . Physical Review Letters, 1995, 75, 1062-1065.	7.8	33
84	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
85	Low-energy elastic backscattering of electrons from Ar ⁺ . Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, L307-L311.	1.5	11
86	Ultrafast dynamics of adenine following XUV ionization. JPhys Photonics, 0, , .	4.6	2