Daniel S Slaughter

List of Publications by Year
in descending order

67	927	471509 17	477307 29
papers	citations	h-index	g-index

67	67	67	1051
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Forward angle scattering effects in the measurement of total cross sections for positron scattering. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 035201.	1.5	86
2	Atomic-Scale Perspective of Ultrafast Charge Transfer at a Dyeâ€“Semiconductor Interface. Journal of Physical Chemistry Letters, 2014, 5, 2753-2759.	4.6	79
3	Positron scattering from neon and argon. Physical Review A, 2011, 83, .	2.5	65
4	Total and positronium formation cross sections for positron scattering from H₂O and HCOOH. New Journal of Physics, 2009, 11, 103036.	2.9	63
5	Electronic Population Transfer via Impulsive Stimulated X-Ray Raman Scattering with Attosecond Soft-X-Ray Pulses. Physical Review Letters, 2020, 125, 073203.	7.8	42
6	Low-energy positron interactions with krypton. Physical Review A, 2011, 83, .	2.5	39
7	High-resolution positron scattering from helium: Grand total and positronium-formation cross sections. Physical Review A, 2009, 80, .	2.5	35
8	Sub-nanosecond time-resolved ambient-pressure X-ray photoelectron spectroscopy setup for pulsed and constant wave X-ray light sources. Review of Scientific Instruments, 2014, 85, 093102.	1.3	30
9	Capturing interfacial photoelectrochemical dynamics with picosecond time-resolved X-ray photoelectron spectroscopy. Faraday Discussions, 2014, 171, 219-241.	3.2	28
10	Low-energy positron interactions with xenon. New Journal of Physics, 2011, 13, 125004.	2.9	26
11	Dissociative electron attachment to carbon dioxide via the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mn>2</mml:mn></mml:msup><mml:msub><mml:mi>Î</mml:mi><mml:mi>u</mml:mi></mml:msub></mml:mrow></mml:math resonance. Physical Review A, 2013, 88, .	2.5	26
12	Dynamics of dissociative electron attachment to ammonia. Physical Review A, 2016, 93, .	2.5	26
13	Observation of Threshold Effects in Positron Scattering from the Noble Gases. Physical Review Letters, 2010, 105, 073201.	7.8	24
14	A momentum imaging microscope for dissociative electron attachment. Review of Scientific Instruments, 2012, 83, 023106.	1.3	24
15	Excitation of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>n</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math> states of helium by positron impact. Physical Review A, 2009, 80, .	2.5	22
16	Dissociative electron attachment to carbon dioxide via the 8.2 eV Feshbach resonance. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 205203.	1.5	22
17	Ion-momentum imaging of resonant dissociative-electron-attachment dynamics in methanol. Physical Review A, 2013, 87, .	2.5	21
18	Dissociative-electron-attachment dynamics near the 8-eV Feshbach resonance of CO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review A, 2013, 88, .	2.5	18

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19	Observation of the dynamics leading to a conical intersection in dissociative electron attachment to water. Physical Review A, 2011, 84, .	2.5	17
20	Dynamics of the Dissociating Uracil Anion Following Resonant Electron Attachment. Journal of Physical Chemistry Letters, 2014, 5, 3854-3858.	4.6	17
21	Ion-momentum imaging of dissociative attachment of electrons to molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 222001.	1.5	17
22	Fundamental understanding of chemical processes in extreme ultraviolet resist materials. Journal of Chemical Physics, 2018, 149, 154305.	3.0	15
23	Signatures of bond formation and bond scission dynamics in dissociative electron attachment to methane. Physical Chemistry Chemical Physics, 2015, 17, 25621-25628.	2.8	12
24	Superelastic electron scattering from laser-excited cesium atoms. Physical Review A, 2007, 75, .	2.5	10
25	Resonance signatures in the body-frame valence photoionization of CF₄. Physical Chemistry Chemical Physics, 2018, 20, 21075-21084.	2.8	10
26	Ultrafast photodissociation dynamics and nonadiabatic coupling between excited electronic states of methanol probed by time-resolved photoelectron spectroscopy. Journal of Chemical Physics, 2019, 150, 114301.	3.0	10
27	PCI effects and the gradual formation of Rydberg series due to photoelectron recapture, in the Auger satellite lines upon Xe 4d^{â^'1}_{5/2}photoionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 115003.	1.5	9
28	Time resolved 3D momentum imaging of ultrafast dynamics by coherent VUV-XUV radiation. Review of Scientific Instruments, 2016, 87, 063110.	1.3	9
29	Tracing intermolecular Coulombic decay of carbon-dioxide dimers and oxygen dimers after valence photoionization. Physical Review A, 2019, 99, .	2.5	8
30	Ultrafast Dynamics of Excited Electronic States in Nitrobenzene Measured by Ultrafast Transient Polarization Spectroscopy. Journal of Physical Chemistry A, 2020, 124, 2573-2579.	2.5	8
31	Investigating resonant low-energy electron attachment to formamide: Dynamics of model peptide bond dissociation and other fragmentation channels. Physical Review Research, 2021, 3, .	3.6	8
32	High resolution positron interactions. Journal of Physics: Conference Series, 2009, 194, 012033.	0.4	7
33	Kinematically complete experiments for positron-impact ionization of helium atoms at the NEPOMUC facility. Journal of Physics: Conference Series, 2011, 262, 012047.	0.4	7
34	Time-resolved x-ray photoelectron spectroscopy techniques for real-time studies of interfacial charge transfer dynamics. AIP Conference Proceedings, 2013, , .	0.4	7
35	Distinguishing resonance symmetries with energy-resolved photoion angular distributions from ion-pair formation in O2 following two-photon absorption of a 9.3 eV femtosecond pulse. Journal of Chemical Physics, 2020, 153, 021103.	3.0	7
36	Laser-Generated Ag Nanoparticles in Mesoporous TiO₂ Films: Formation Processes and Modeling-Based Size Prediction. Journal of Physical Chemistry C, 2019, 123, 25898-25907.	3.1	6

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37	Low energy lepton scattering: recent results for electron and positron interactions. Journal of Physics: Conference Series, 2008, 133, 012001.	0.4	5
38	A reaction microscope for positron â€“ atom ionisation studies. Journal of Physics: Conference Series, 2009, 194, 072002.	0.4	5
39	Attosecond coherent control of oxygen dissociation by XUV-IR laser fields using three-dimensional momentum imaging. Physical Review A, 2018, 98, .	2.5	5
40	Selective bond-breaking in formic acid by dissociative electron attachment. Physical Chemistry Chemical Physics, 2020, 22, 13893-13902.	2.8	5
41	SILIA: software implementation of a multi-channel, multi-frequency lock-in amplifier for spectroscopy and imaging applications. Measurement Science and Technology, 2021, 32, 125501.	2.6	5
42	Symmetry breaking in the body-fixed electron emission pattern due to electron-retroaction in the photodissociation of H2+ and D2+ close to threshold. Physical Review Research, 2019, 1, .	3.6	5
43	Low energy positron interactions - trapping, transport and scattering. Journal of Physics: Conference Series, 2009, 162, 012002.	0.4	4
44	VUV and XUV reflectance of optically coated mirrors for selection of high harmonics. Optics Express, 2016, 24, 18209.	3.4	4
45	Role of dipole-forbidden autoionizing resonances in nonresonant one-color two-photon single ionization of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review A, 2020, 102, .	2.5	4
46	Photoelectron and fragmentation dynamics of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mrow><mml:mi mathvariant="normal">H</mml:mi></mml:mrow><mml:mo>+</mml:mo></mml:msup><mml:mo>+</mml:mo><mml:msup><mml:mrow mathvariant="normal">H</mml:mi></mml:mrow><mml:mo>+</mml:mo></mml:msup></mml:mrow></mml:math> dissociative channel in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NH</mml:mi><mml:mn>3</mml:mn></mml:msub></mml	3.6	4
47	Resonant enhanced electron impact dissociation of molecules. Journal of Physics: Conference Series, 2012, 388, 012016.	0.4	3
48	Angle-resolved nonresonant two-photon single ionization of argon using 9.3-eV photons produced via high-order harmonic generation. Physical Review A, 2020, 101, .	2.5	3
49	Nonequilibrium dissociative dynamics of D2 in two-color, few-photon excitation and ionization. Physical Review Research, 2021, 3, .	3.6	3
50	Mechanisms and dynamics of the NH⁺ ₂ + H⁺ and NH⁺ + H⁺ + H fragmentation channels upon single-photon double ionization of NH₃. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 244003.	1.5	3
51	Toward Ultrafast In Situ X-ray Studies of Interfacial Photoelectrochemistry. Springer Proceedings in Physics, 2015, , 325-328.	0.2	2
52	Towards Electron Momentum Spectroscopy Studies of Clusters: A New Apparatus. AIP Conference Proceedings, 2006, , .	0.4	1
53	Positron scattering from noble gases future prospects. Journal of Physics: Conference Series, 2009, 194, 072012.	0.4	1
54	Dynamical Studies of Dissociative Electron Attachment to CO₂. Journal of Physics: Conference Series, 2012, 388, 052013.	0.4	1

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55	Ion-momentum imaging of dissociative-electron-attachment dynamics in CO₂, N₂O, HCCH and CF₄. Journal of Physics: Conference Series, 2015, 635, 072028.	0.4	1
56	Selective bond scission in formic acid by low-energy electrons. Journal of Physics: Conference Series, 2020, 1412, 052004.	0.4	1
57	Time-resolved ultrafast transient polarization spectroscopy to investigate nonlinear processes and dynamics in electronically excited molecules on the femtosecond time scale. Review of Scientific Instruments, 2020, 91, 053101.	1.3	1
58	High-coherence relativistic electron probes for ultrafast structural dynamics. , 2018, , .		1
59	Low energy positron interactions with helium. Journal of Physics: Conference Series, 2009, 194, 072005.	0.4	0
60	Low energy positron scattering from krypton and xenon. Journal of Physics: Conference Series, 2012, 388, 072021.	0.4	0
61	Breaking up is hard to do. Nature Physics, 2018, 14, 109-110.	16.7	0
62	Tracing inter-Coulombic decay of molecular dimers. Journal of Physics: Conference Series, 2020, 1412, 152019.	0.4	0
63	Femtosecond Time-Resolved X-ray Photoelectron Spectroscopy Studies of Charge Transfer in Dye-Sensitized Semiconductor Nanocrystals. , 2013, , .		0
64	Toward Ultrafast In Situ X-Ray Studies of Interfacial Photoelectrochemistry. , 2014, , .		0
65	A novel route to EUV resists design: Fundamental understanding of chemical processes (Conference) Tj ETQq1 1 0.784314 rgBT /Ove		0
66	Model reactivity of inorganic and organometallic materials in EUV (Conference Presentation). , 2019, , .		0
67	Ultrafast time-resolved photoelectron and ion fragment momentum imaging of vacuum ultraviolet-excited molecules. Journal of Physics: Conference Series, 2020, 1412, 072048.	0.4	0