

Daniel S Slaughter

List of Publications by Year in descending order

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67
papers

927
citations

471509

17
h-index

477307

29
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67
all docs

67
docs citations

67
times ranked

1051
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating resonant low-energy electron attachment to formamide: Dynamics of model peptide bond dissociation and other fragmentation channels. <i>Physical Review Research</i> , 2021, 3, .	3.6	8
2	Nonequilibrium dissociative dynamics of D2 in two-color, few-photon excitation and ionization. <i>Physical Review Research</i> , 2021, 3, .	3.6	3
3	SILIA: software implementation of a multi-channel, multi-frequency lock-in amplifier for spectroscopy and imaging applications. <i>Measurement Science and Technology</i> , 2021, 32, 125501.	2.6	5
4	Selective bond scission in formic acid by low-energy electrons. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 052004.	0.4	1
5	Electronic Population Transfer via Impulsive Stimulated X-Ray Raman Scattering with Attosecond Soft-X-Ray Pulses. <i>Physical Review Letters</i> , 2020, 125, 073203.	7.8	42
6	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. <i>Journal of Chemical Physics</i> , 2020, 153, 021103.	3.0	7
7	Tracing inter-Coulombic decay of molecular dimers. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 152019.	0.4	0
8	Time-resolved ultrafast transient polarization spectroscopy to investigate nonlinear processes and dynamics in electronically excited molecules on the femtosecond time scale. <i>Review of Scientific Instruments</i> , 2020, 91, 053101.	1.3	1
9	Angle-resolved nonresonant two-photon single ionization of argon using 9.3-eV photons produced via high-order harmonic generation. <i>Physical Review A</i> , 2020, 101, .	2.5	3
10	Selective bond-breaking in formic acid by dissociative electron attachment. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13893-13902.	2.8	5
11	Ultrafast Dynamics of Excited Electronic States in Nitrobenzene Measured by Ultrafast Transient Polarization Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2573-2579.	2.5	8
12	Role of dipole-forbidden autoionizing resonances in nonresonant one-color two-photon single ionization of N_2 . <i>Physical Review A</i> , 2020, 102, .	2.5	4
13	Ultrafast time-resolved photoelectron and ion fragment momentum imaging of vacuum ultraviolet-excited molecules. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 072048.	0.4	0
14	Photoelectron and fragmentation dynamics of the H^+ dissociative channel in H_3^+ . <i>Physical Review A</i> , 2020, 102, .	3.6	4
15	Mechanisms and dynamics of the NH_3^+ + H fragmentation channels upon single-photon double ionization of NH_3 . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 244003.	1.5	3
16	Laser-Generated Ag Nanoparticles in Mesoporous TiO_2 Films: Formation Processes and Modeling-Based Size Prediction. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25898-25907.	3.1	6
17	Tracing intermolecular Coulombic decay of carbon-dioxide dimers and oxygen dimers after valence photoionization. <i>Physical Review A</i> , 2019, 99, .	2.5	8
18	Ultrafast photodissociation dynamics and nonadiabatic coupling between excited electronic states of methanol probed by time-resolved photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 2019, 150, 114301.	3.0	10

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19	Symmetry breaking in the body-fixed electron emission pattern due to electron-retroaction in the photodissociation of H ₂ ⁺ and D ₂ ⁺ close to threshold. <i>Physical Review Research</i> , 2019, 1, .	3.6	5
20	Model reactivity of inorganic and organometallic materials in EUV (Conference Presentation). , 2019, , .		0
21	Breaking up is hard to do. <i>Nature Physics</i> , 2018, 14, 109-110.	16.7	0
22	Fundamental understanding of chemical processes in extreme ultraviolet resist materials. <i>Journal of Chemical Physics</i> , 2018, 149, 154305.	3.0	15
23	Resonance signatures in the body-frame valence photoionization of CF ₄ . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21075-21084.	2.8	10
24	Attosecond coherent control of oxygen dissociation by XUV-IR laser fields using three-dimensional momentum imaging. <i>Physical Review A</i> , 2018, 98, .	2.5	5
25	High-coherence relativistic electron probes for ultrafast structural dynamics. , 2018, , .		1
26	A novel route to EUV resists design: Fundamental understanding of chemical processes (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		
27	Ion-momentum imaging of dissociative attachment of electrons to molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 222001.	1.5	17
28	Time resolved 3D momentum imaging of ultrafast dynamics by coherent VUV-XUV radiation. <i>Review of Scientific Instruments</i> , 2016, 87, 063110.	1.3	9
29	VUV and XUV reflectance of optically coated mirrors for selection of high harmonics. <i>Optics Express</i> , 2016, 24, 18209.	3.4	4
30	Dynamics of dissociative electron attachment to ammonia. <i>Physical Review A</i> , 2016, 93, .	2.5	26
31	Ion-momentum imaging of dissociative-electron-attachment dynamics in CO ₂ , N ₂ O, HCCH and CF ₄ . <i>Journal of Physics: Conference Series</i> , 2015, 635, 072028.	0.4	1
32	Signatures of bond formation and bond scission dynamics in dissociative electron attachment to methane. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25621-25628.	2.8	12
33	PCI effects and the gradual formation of Rydberg series due to photoelectron recapture, in the Auger satellite lines upon Xe 4d ¹⁰ 5/2 photoionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 115003.	1.5	9
34	Toward Ultrafast In Situ X-ray Studies of Interfacial Photoelectrochemistry. <i>Springer Proceedings in Physics</i> , 2015, , 325-328.	0.2	2
35	Capturing interfacial photoelectrochemical dynamics with picosecond time-resolved X-ray photoelectron spectroscopy. <i>Faraday Discussions</i> , 2014, 171, 219-241.	3.2	28
36	Sub-nanosecond time-resolved ambient-pressure X-ray photoelectron spectroscopy setup for pulsed and constant wave X-ray light sources. <i>Review of Scientific Instruments</i> , 2014, 85, 093102.	1.3	30

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37	Dynamics of the Dissociating Uracil Anion Following Resonant Electron Attachment. Journal of Physical Chemistry Letters, 2014, 5, 3854-3858.	4.6	17
38	Atomic-Scale Perspective of Ultrafast Charge Transfer at a Dye-Semiconductor Interface. Journal of Physical Chemistry Letters, 2014, 5, 2753-2759.	4.6	79
39	Toward Ultrafast In Situ X-Ray Studies of Interfacial Photoelectrochemistry. , 2014, , .		0
40	Ion-momentum imaging of resonant dissociative-electron-attachment dynamics in methanol. Physical Review A, 2013, 87, .	2.5	21
41	Time-resolved x-ray photoelectron spectroscopy techniques for real-time studies of interfacial charge transfer dynamics. AIP Conference Proceedings, 2013, , .	0.4	7
42	Dissociative electron attachment to carbon dioxide via the $\hat{\Gamma}$ resonance. Physical Review A, 2013, 88, .	2.5	26
43	Dissociative-electron-attachment dynamics near the 8-eV Feshbach resonance of CO ₂ . Physical Review A, 2013, 88, .	2.5	18
44	Femtosecond Time-Resolved X-ray Photoelectron Spectroscopy Studies of Charge Transfer in Dye-Sensitized Semiconductor Nanocrystals. , 2013, , .		0
45	Resonant enhanced electron impact dissociation of molecules. Journal of Physics: Conference Series, 2012, 388, 012016.	0.4	3
46	Low energy positron scattering from krypton and xenon. Journal of Physics: Conference Series, 2012, 388, 072021.	0.4	0
47	Dynamical Studies of Dissociative Electron Attachment to CO ₂ . Journal of Physics: Conference Series, 2012, 388, 052013.	0.4	1
48	A momentum imaging microscope for dissociative electron attachment. Review of Scientific Instruments, 2012, 83, 023106.	1.3	24
49	Observation of the dynamics leading to a conical intersection in dissociative electron attachment to water. Physical Review A, 2011, 84, .	2.5	17
50	Positron scattering from neon and argon. Physical Review A, 2011, 83, .	2.5	65
51	Low-energy positron interactions with krypton. Physical Review A, 2011, 83, .	2.5	39
52	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
53	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
54	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

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55	Low-energy positron interactions with xenon. <i>New Journal of Physics</i> , 2011, 13, 125004.	2.9	26
56	Observation of Threshold Effects in Positron Scattering from the Noble Gases. <i>Physical Review Letters</i> , 2010, 105, 073201.	7.8	24
57	High-resolution positron scattering from helium: Grand total and positronium-formation cross sections. <i>Physical Review A</i> , 2009, 80, .	2.5	35
58	Total and positronium formation cross sections for positron scattering from H_2O and $HCOOH$. <i>New Journal of Physics</i> , 2009, 11, 103036.	2.9	63
59	Excitation of the $n=2$ states of helium by positron impact. <i>Physical Review A</i> , 2009, 80, .	2.5	35
60	Low energy positron interactions - trapping, transport and scattering. <i>Journal of Physics: Conference Series</i> , 2009, 162, 012002.	0.4	4
61	A reaction microscope for positron atom ionisation studies. <i>Journal of Physics: Conference Series</i> , 2009, 194, 072002.	0.4	5
62	High resolution positron interactions. <i>Journal of Physics: Conference Series</i> , 2009, 194, 012033.	0.4	7
63	Low energy positron interactions with helium. <i>Journal of Physics: Conference Series</i> , 2009, 194, 072005.	0.4	0
64	Positron scattering from noble gases future prospects. <i>Journal of Physics: Conference Series</i> , 2009, 194, 072012.	0.4	1
65	Low energy lepton scattering: recent results for electron and positron interactions. <i>Journal of Physics: Conference Series</i> , 2008, 133, 012001.	0.4	5
66	Superelastic electron scattering from laser-excited cesium atoms. <i>Physical Review A</i> , 2007, 75, .	2.5	10
67	Towards Electron Momentum Spectroscopy Studies of Clusters: A New Apparatus. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	1