

Alexandra Landsman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

1,583
citations

20
h-index

39
g-index

71
ext. papers

2,055
ext. citations

5.3
avg. IF

4.77
L-index

#	Paper	IF	Citations
59	Tracking the Ionization Site in Neutral Molecules. <i>Physical Review Letters</i> , 2021 , 127, 213201	7.4	1
58	High-order harmonic generation by static coherent states method in single-electron atomic and molecular systems. <i>Journal of Computational Chemistry</i> , 2021 , 42, 1312-1320	3.5	0
57	High-harmonic generation in solids. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2021 , 103-156	1.7	0
56	Probing molecular environment through photoemission delays. <i>Nature Physics</i> , 2020 , 16, 778-783	16.2	16
55	Orientation-dependent stereo Wigner time delay and electron localization in a small molecule. <i>EPJ Web of Conferences</i> , 2019 , 205, 06008	0.3	
54	Symphony on strong field approximation. <i>Reports on Progress in Physics</i> , 2019 , 82, 116001	14.4	49
53	Attoclock revisited on electron tunnelling time. <i>Journal of Modern Optics</i> , 2019 , 66, 1052-1070	1.1	27
52	Extraction of higher-order nonlinear electronic response in solids using high harmonic generation. <i>Nature Communications</i> , 2019 , 10, 3272	17.4	14
51	Analysis of the higher-energy structure in strong-field ionization with inhomogeneous electric fields. <i>Physical Review A</i> , 2018 , 97,	2.6	1
50	Double-Electron Ionization Driven by Inhomogeneous Fields 2018 , 491-508		
49	Above-threshold ionization in multicenter molecules: The role of the initial state. <i>Physical Review A</i> , 2018 , 97,	2.6	6
48	Attosecond Time Delay in Photoionization of Noble-Gas and Halogen Atoms. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 322	2.6	5
47	Disentangling Long Trajectory Contributions in Two-Colour High Harmonic Generation. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 341	2.6	3
46	Orientation-dependent stereo Wigner time delay and electron localization in a small molecule. <i>Science</i> , 2018 , 360, 1326-1330	33.3	74
45	Instantaneous ionization rate as a functional derivative. <i>Communications Physics</i> , 2018 , 1,	5.4	12
44	Dependence of Rydberg-state creation by strong-field ionization on laser intensity. <i>Physical Review A</i> , 2018 , 98,	2.6	3
43	Static Coherent States Method: One- and Two-Electron Laser-Induced Systems with Classical Nuclear Dynamics. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1252	2.6	2

42	Attosecond physics at the nanoscale. <i>Reports on Progress in Physics</i> , 2017 , 80, 054401	14.4	201
41	Double-electron ionization driven by inhomogeneous fields. <i>Applied Physics B: Lasers and Optics</i> , 2017 , 123, 1	1.9	1
40	Wannier-Bloch Approach to Localization in High-Harmonics Generation in Solids. <i>Physical Review X</i> , 2017 , 7,	9.1	55
39	Emergence of a Higher Energy Structure in Strong Field Ionization with Inhomogeneous Electric Fields. <i>Physical Review Letters</i> , 2017 , 119, 053204	7.4	9
38	Terawatt-Isolated Attosecond X-ray Pulse Using a Tapered X-ray Free Electron Laser. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 614	2.6	3
37	Active tailoring of nanoantenna plasmonic fields using few-cycle laser pulses. <i>Physical Review A</i> , 2016 , 93,	2.6	8
36	Tunneling Time and Weak Measurement in Strong Field Ionization. <i>Physical Review Letters</i> , 2016 , 116, 233603	7.4	64
35	Delayed electron emission in strong-field driven tunnelling from a metallic nanotip in the multi-electron regime. <i>Scientific Reports</i> , 2016 , 6, 35877	4.9	32
34	Temporally-coherent terawatt attosecond XFEL synchronized with a few cycle laser. <i>Scientific Reports</i> , 2016 , 6, 37700	4.9	10
33	Non-adiabatic imprints on the electron wave packet in strong field ionization with circular polarization. <i>New Journal of Physics</i> , 2016 , 18, 043011	2.9	24
32	Attosecond science and the tunnelling time problem. <i>Physics Reports</i> , 2015 , 547, 1-24	27.7	155
31	Amplitude flux, probability flux, and gauge invariance in the finite volume scheme for the Schrödinger equation. <i>Journal of Computational Physics</i> , 2015 , 280, 457-464	4.1	2
30	Anisotropic emission in quantum-beat spectroscopy of helium excited states. <i>Physical Review A</i> , 2015 , 91,	2.6	8
29	Theoretical analysis of attosecond quantum beat spectroscopy of helium excited states. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 092141	0.3	
28	Tunneling time in strong field ionisation. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 092138	0.3	
27	The effect of electron-electron correlation on the attoclock experiment. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015 , 48, 245602	1.3	13
26	Carrier-wave Rabi flopping signatures in high-order harmonic generation. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 092032	0.3	
25	Carrier-wave Rabi-flopping signatures in high-order harmonic generation for alkali atoms. <i>Physical Review Letters</i> , 2015 , 114, 143902	7.4	11

24	Non-adiabatic Effects in Electron Momenta. <i>Springer Proceedings in Physics</i> , 2015 , 105-108	0.2	
23	Tunnelling time in strong field ionisation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 204024	1.3	30
22	Ultrafast resolution of tunneling delay time. <i>Optica</i> , 2014 , 1, 343	8.6	144
21	Interpreting electron-momentum distributions and nonadiabaticity in strong-field ionization. <i>Physical Review A</i> , 2014 , 90,	2.6	37
20	Probing nonadiabatic effects in strong-field tunnel ionization. <i>Physical Review Letters</i> , 2013 , 111, 103003	7.4	94
19	Unified approach to probing Coulomb effects in tunnel ionization for any ellipticity of laser light. <i>Physical Review Letters</i> , 2013 , 111, 263001	7.4	35
18	Probing the longitudinal momentum spread of the electron wave packet at the tunnel exit. <i>EPJ Web of Conferences</i> , 2013 , 41, 02017	0.3	
17	Comparison of different approaches to the longitudinal momentum spread after tunnel ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013 , 46, 125601	1.3	37
16	Rydberg state creation by tunnel ionization. <i>New Journal of Physics</i> , 2013 , 15, 013001	2.9	63
15	Dependence of Rydberg Yield on Ellipticity in Strong Field Ionization. <i>EPJ Web of Conferences</i> , 2013 , 41, 02018	0.3	1
14	Noise robustness and spatially patterned synchronization of cortical oscillators. <i>New Journal of Physics</i> , 2012 , 14, 123031	2.9	6
13	Control of traveling-wave oscillations and bifurcation behavior in central pattern generators. <i>Physical Review E</i> , 2012 , 86, 041914	2.4	2
12	Probing the longitudinal momentum spread of the electron wave packet at the tunnel exit. <i>Physical Review Letters</i> , 2012 , 109, 083002	7.4	90
11	RF Plasma Heating in the PFRC-2 Device: Motivation, Goals and Methods 2011 ,		5
10	Global stability of synchronous and out-of-phase oscillations in central pattern generators. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 13753-13757		1
9	Predicting extinction rates in stochastic epidemic models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009 , 2009, P01005	1.9	38
8	Disease extinction in the presence of random vaccination. <i>Physical Review Letters</i> , 2008 , 101, 078101	7.4	76
7	Synchronized dynamics of cortical neurons with time-delay feedback. <i>Nonlinear Biomedical Physics</i> , 2007 , 1, 2		8

6	Stochastic ion heating in a field-reversed configuration geometry by rotating magnetic fields. <i>Physics of Plasmas</i> , 2007 , 14, 072508	2.1	9
5	Complete chaotic synchronization in mutually coupled time-delay systems. <i>Physical Review E</i> , 2007 , 75, 026201	2.4	57
4	Predictions of ultraharmonic oscillations in coupled arrays of limit cycle oscillators. <i>Physical Review E</i> , 2006 , 74, 036204	2.4	8
3	Onset and saturation of ion heating by odd-parity rotating magnetic fields in a field-reversed configuration. <i>Physical Review Letters</i> , 2006 , 96, 015002	7.4	11
2	Resonance and chaotic trajectories in magnetic field reversed configuration. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2005 , 10, 617-642	3.7	5
1	Regular and stochastic orbits of ions in a highly prolate field-reversed configuration. <i>Physics of Plasmas</i> , 2004 , 11, 947-957	2.1	17