

# Alexandra Landsman

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6316977/alexandra-landsman-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Attosecond physics at the nanoscale. <i>Reports on Progress in Physics</i> , <b>2017</b> , 80, 054401	14.4	201
58	Attosecond science and the tunnelling time problem. <i>Physics Reports</i> , <b>2015</b> , 547, 1-24	27.7	155
57	Ultrafast resolution of tunneling delay time. <i>Optica</i> , <b>2014</b> , 1, 343	8.6	144
56	Probing nonadiabatic effects in strong-field tunnel ionization. <i>Physical Review Letters</i> , <b>2013</b> , 111, 103003	7.4	94
55	Probing the longitudinal momentum spread of the electron wave packet at the tunnel exit. <i>Physical Review Letters</i> , <b>2012</b> , 109, 083002	7.4	90
54	Disease extinction in the presence of random vaccination. <i>Physical Review Letters</i> , <b>2008</b> , 101, 078101	7.4	76
53	Orientation-dependent stereo Wigner time delay and electron localization in a small molecule. <i>Science</i> , <b>2018</b> , 360, 1326-1330	33.3	74
52	Tunneling Time and Weak Measurement in Strong Field Ionization. <i>Physical Review Letters</i> , <b>2016</b> , 116, 233603	7.4	64
51	Rydberg state creation by tunnel ionization. <i>New Journal of Physics</i> , <b>2013</b> , 15, 013001	2.9	63
50	Complete chaotic synchronization in mutually coupled time-delay systems. <i>Physical Review E</i> , <b>2007</b> , 75, 026201	2.4	57
49	Wannier-Bloch Approach to Localization in High-Harmonics Generation in Solids. <i>Physical Review X</i> , <b>2017</b> , 7,	9.1	55
48	Symphony on strong field approximation. <i>Reports on Progress in Physics</i> , <b>2019</b> , 82, 116001	14.4	49
47	Predicting extinction rates in stochastic epidemic models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2009</b> , 2009, P01005	1.9	38
46	Interpreting electron-momentum distributions and nonadiabaticity in strong-field ionization. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	37
45	Comparison of different approaches to the longitudinal momentum spread after tunnel ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2013</b> , 46, 125601	1.3	37
44	Unified approach to probing Coulomb effects in tunnel ionization for any ellipticity of laser light. <i>Physical Review Letters</i> , <b>2013</b> , 111, 263001	7.4	35
43	Delayed electron emission in strong-field driven tunnelling from a metallic nanotip in the multi-electron regime. <i>Scientific Reports</i> , <b>2016</b> , 6, 35877	4.9	32

42	Tunnelling time in strong field ionisation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2014</b> , 47, 204024	1.3	30
41	Attoclock revisited on electron tunnelling time. <i>Journal of Modern Optics</i> , <b>2019</b> , 66, 1052-1070	1.1	27
40	Non-adiabatic imprints on the electron wave packet in strong field ionization with circular polarization. <i>New Journal of Physics</i> , <b>2016</b> , 18, 043011	2.9	24
39	Regular and stochastic orbits of ions in a highly prolate field-reversed configuration. <i>Physics of Plasmas</i> , <b>2004</b> , 11, 947-957	2.1	17
38	Probing molecular environment through photoemission delays. <i>Nature Physics</i> , <b>2020</b> , 16, 778-783	16.2	16
37	Extraction of higher-order nonlinear electronic response in solids using high harmonic generation. <i>Nature Communications</i> , <b>2019</b> , 10, 3272	17.4	14
36	The effect of electron-electron correlation on the attoclock experiment. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2015</b> , 48, 245602	1.3	13
35	Instantaneous ionization rate as a functional derivative. <i>Communications Physics</i> , <b>2018</b> , 1,	5.4	12
34	Carrier-wave Rabi-flopping signatures in high-order harmonic generation for alkali atoms. <i>Physical Review Letters</i> , <b>2015</b> , 114, 143902	7.4	11
33	Onset and saturation of ion heating by odd-parity rotating magnetic fields in a field-reversed configuration. <i>Physical Review Letters</i> , <b>2006</b> , 96, 015002	7.4	11
32	Temporally-coherent terawatt attosecond XFEL synchronized with a few cycle laser. <i>Scientific Reports</i> , <b>2016</b> , 6, 37700	4.9	10
31	Emergence of a Higher Energy Structure in Strong Field Ionization with Inhomogeneous Electric Fields. <i>Physical Review Letters</i> , <b>2017</b> , 119, 053204	7.4	9
30	Stochastic ion heating in a field-reversed configuration geometry by rotating magnetic fields. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 072508	2.1	9
29	Active tailoring of nanoantenna plasmonic fields using few-cycle laser pulses. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	8
28	Anisotropic emission in quantum-beat spectroscopy of helium excited states. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	8
27	Synchronized dynamics of cortical neurons with time-delay feedback. <i>Nonlinear Biomedical Physics</i> , <b>2007</b> , 1, 2		8
26	Predictions of ultraharmonic oscillations in coupled arrays of limit cycle oscillators. <i>Physical Review E</i> , <b>2006</b> , 74, 036204	2.4	8
25	Above-threshold ionization in multicenter molecules: The role of the initial state. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	6

24	Noise robustness and spatially patterned synchronization of cortical oscillators. <i>New Journal of Physics</i> , <b>2012</b> , 14, 123031	2.9	6
23	Attosecond Time Delay in Photoionization of Noble-Gas and Halogen Atoms. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 322	2.6	5
22	RF Plasma Heating in the PFRC-2 Device: Motivation, Goals and Methods <b>2011</b> ,		5
21	Resonance and chaotic trajectories in magnetic field reversed configuration. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2005</b> , 10, 617-642	3.7	5
20	Disentangling Long Trajectory Contributions in Two-Colour High Harmonic Generation. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 341	2.6	3
19	Terawatt-Isolated Attosecond X-ray Pulse Using a Tapered X-ray Free Electron Laser. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 614	2.6	3
18	Dependence of Rydberg-state creation by strong-field ionization on laser intensity. <i>Physical Review A</i> , <b>2018</b> , 98,	2.6	3
17	Amplitude flux, probability flux, and gauge invariance in the finite volume scheme for the Schrödinger equation. <i>Journal of Computational Physics</i> , <b>2015</b> , 280, 457-464	4.1	2
16	Control of traveling-wave oscillations and bifurcation behavior in central pattern generators. <i>Physical Review E</i> , <b>2012</b> , 86, 041914	2.4	2
15	Static Coherent States Method: One- and Two-Electron Laser-Induced Systems with Classical Nuclear Dynamics. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1252	2.6	2
14	Double-electron ionization driven by inhomogeneous fields. <i>Applied Physics B: Lasers and Optics</i> , <b>2017</b> , 123, 1	1.9	1
13	Analysis of the higher-energy structure in strong-field ionization with inhomogeneous electric fields. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	1
12	Dependence of Rydberg Yield on Ellipticity in Strong Field Ionization. <i>EPJ Web of Conferences</i> , <b>2013</b> , 41, 02018	0.3	1
11	Global stability of synchronous and out-of-phase oscillations in central pattern generators. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 13753-13757		1
10	Tracking the Ionization Site in Neutral Molecules. <i>Physical Review Letters</i> , <b>2021</b> , 127, 213201	7.4	1
9	High-order harmonic generation by static coherent states method in single-electron atomic and molecular systems. <i>Journal of Computational Chemistry</i> , <b>2021</b> , 42, 1312-1320	3.5	0
8	High-harmonic generation in solids. <i>Advances in Atomic, Molecular and Optical Physics</i> , <b>2021</b> , 103-156	1.7	0
7	Orientation-dependent stereo Wigner time delay and electron localization in a small molecule. <i>EPJ Web of Conferences</i> , <b>2019</b> , 205, 06008	0.3	

6 Double-Electron Ionization Driven by Inhomogeneous Fields **2018**, 491-508

5 Theoretical analysis of attosecond quantum beat spectroscopy of helium excited states. *Journal of Physics: Conference Series*, **2015**, 635, 092141 0.3

4 Tunneling time in strong field ionisation. *Journal of Physics: Conference Series*, **2015**, 635, 092138 0.3

3 Carrier-wave Rabi flopping signatures in high-order harmonic generation. *Journal of Physics: Conference Series*, **2015**, 635, 092032 0.3

2 Probing the longitudinal momentum spread of the electron wave packet at the tunnel exit. *EPJ Web of Conferences*, **2013**, 41, 02017 0.3

1 Non-adiabatic Effects in Electron Momenta. *Springer Proceedings in Physics*, **2015**, 105-108 0.2