

Alexandra Landsman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6316977/publications.pdf>

Version: 2024-02-01

69
papers

2,324
citations

304743

22
h-index

206112

48
g-index

71
all docs

71
docs citations

71
times ranked

1670
citing authors

#	ARTICLE	IF	CITATIONS
1	Attosecond physics at the nanoscale. Reports on Progress in Physics, 2017, 80, 054401.	20.1	274
2	Ultrafast resolution of tunneling delay time. Optica, 2014, 1, 343.	9.3	234
3	Attosecond science and the tunnelling time problem. Physics Reports, 2015, 547, 1-24.	25.6	228
4	Orientation-dependent stereo Wigner time delay and electron localization in a small molecule. Science, 2018, 360, 1326-1330.	12.6	143
5	Probing Nonadiabatic Effects in Strong-Field Tunnel Ionization. Physical Review Letters, 2013, 111, 103003.	7.8	126
6	Symphony on strong field approximation. Reports on Progress in Physics, 2019, 82, 116001.	20.1	123
7	Probing the Longitudinal Momentum Spread of the Electron Wave Packet at the Tunnel Exit. Physical Review Letters, 2012, 109, 083002.	7.8	111
8	Disease Extinction in the Presence of Random Vaccination. Physical Review Letters, 2008, 101, 078101.	7.8	91
9	Tunneling Time and Weak Measurement in Strong Field Ionization. Physical Review Letters, 2016, 116, 233603.	7.8	87
10	Wannier-Bloch Approach to Localization in High-Harmonics Generation in Solids. Physical Review X, 2017, 7, .	8.9	83
11	Rydberg state creation by tunnel ionization. New Journal of Physics, 2013, 15, 013001.	2.9	80
12	Complete chaotic synchronization in mutually coupled time-delay systems. Physical Review E, 2007, 75, 026201.	2.1	64
13	Attoclock revisited on electron tunnelling time. Journal of Modern Optics, 2019, 66, 1052-1070.	1.3	55
14	Comparison of different approaches to the longitudinal momentum spread after tunnel ionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 125601.	1.5	48
15	Unified Approach to Probing Coulomb Effects in Tunnel Ionization for Any Ellipticity of Laser Light. Physical Review Letters, 2013, 111, 263001.	7.8	45
16	Probing molecular environment through photoemission delays. Nature Physics, 2020, 16, 778-783.	16.7	44
17	Interpreting electron-momentum distributions and nonadiabaticity in strong-field ionization. Physical Review A, 2014, 90, .	2.5	42
18	Delayed electron emission in strong-field driven tunnelling from a metallic nanotip in the multi-electron regime. Scientific Reports, 2016, 6, 35877.	3.3	42

#	ARTICLE	IF	CITATIONS
19	Predicting extinction rates in stochastic epidemic models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P01005.	2.3	40
20	Tunnelling time in strong field ionisation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 204024.	1.5	35
21	Extraction of higher-order nonlinear electronic response in solids using high harmonic generation. <i>Nature Communications</i> , 2019, 10, 3272.	12.8	33
22	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	27
23	Carrier-Wave Rabi-Flopping Signatures in High-Order Harmonic Generation for Alkali Atoms. <i>Physical Review Letters</i> , 2015, 114, 143902.	7.8	20
24	Regular and stochastic orbits of ions in a highly prolate field-reversed configuration. <i>Physics of Plasmas</i> , 2004, 11, 947-957.	1.9	19
25	Emergence of a Higher Energy Structure in Strong Field Ionization with Inhomogeneous Electric Fields. <i>Physical Review Letters</i> , 2017, 119, 053204.	7.8	19
26	Instantaneous ionization rate as a functional derivative. <i>Communications Physics</i> , 2018, 1, .	5.3	16
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.	1.5	15
28	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.	7.8	14
29	Anisotropic emission in quantum-beat spectroscopy of helium excited states. <i>Physical Review A</i> , 2015, 91, .	2.5	14
30	Above-threshold ionization in multicenter molecules: The role of the initial state. <i>Physical Review A</i> , 2018, 97, .	2.5	14
31	Synchronized dynamics of cortical neurons with time-delay feedback. <i>Nonlinear Biomedical Physics</i> , 2007, 1, 2.	1.5	13
32	Temporally-coherent terawatt attosecond XFEL synchronized with a few cycle laser. <i>Scientific Reports</i> , 2016, 6, 37700.	3.3	12
33	Stochastic ion heating in a field-reversed configuration geometry by rotating magnetic fields. <i>Physics of Plasmas</i> , 2007, 14, 072508.	1.9	11
34	Attosecond Time Delay in Photoionization of Noble-Gas and Halogen Atoms. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 322.	2.5	11
35	Predictions of ultraharmonic oscillations in coupled arrays of limit cycle oscillators. <i>Physical Review E</i> , 2006, 74, 036204.	2.1	8
36	Active tailoring of nanoantenna plasmonic fields using few-cycle laser pulses. <i>Physical Review A</i> , 2016, 93, .	2.5	8

#	ARTICLE	IF	CITATIONS
37	Controlling quantum numbers and light emission of Rydberg states via the laser pulse duration. <i>Physical Review A</i> , 2021, 103, .	2.5	8
38	RF Plasma Heating in the PFRC-2 Device: Motivation, Goals and Methods. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	7
39	Noise robustness and spatially patterned synchronization of cortical oscillators. <i>New Journal of Physics</i> , 2012, 14, 123031.	2.9	7
40	Disentangling Long Trajectory Contributions in Two-Colour High Harmonic Generation. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 341.	2.5	7
41	Analysis of the higher-energy structure in strong-field ionization with inhomogeneous electric fields. <i>Physical Review A</i> , 2018, 97, .	2.5	6
42	Dependence of Rydberg-state creation by strong-field ionization on laser intensity. <i>Physical Review A</i> , 2018, 98, .	2.5	6
43	Resonance and chaotic trajectories in magnetic field reversed configuration. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2005, 10, 617-642.	3.3	5
44	Analysis of a higher-energy structure in nanotip enhanced fields. <i>New Journal of Physics</i> , 2021, 23, 113017.	2.9	5
45	Double-electron ionization driven by inhomogeneous fields. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	4
46	Terawatt-Isolated Attosecond X-ray Pulse Using a Tapered X-ray Free Electron Laser. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 614.	2.5	4
47	Tracking the Ionization Site in Neutral Molecules. <i>Physical Review Letters</i> , 2021, 127, 213201.	7.8	4
48	High-harmonic generation in solids. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2021, , 103-156.	2.3	3
49	Control of traveling-wave oscillations and bifurcation behavior in central pattern generators. <i>Physical Review E</i> , 2012, 86, 041914.	2.1	2
50	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.	3.8	2
51	Static Coherent States Method: One- and Two-Electron Laser-Induced Systems with Classical Nuclear Dynamics. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1252.	2.5	2
52	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.	0.4	1
53	Dependence of Rydberg Yield on Ellipticity in Strong Field Ionization. <i>EPJ Web of Conferences</i> , 2013, 41, 02018.	0.3	1
54	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.	3.3	1

#	ARTICLE	IF	CITATIONS
55	Tunneling time in Ultrafast science is real and probabilistic. , 2013, , .		0
56	Probing the longitudinal momentum spread of the electron wave packet at the tunnel exit. EPJ Web of Conferences, 2013, 41, 02017.	0.3	0
57	Studying Momentum Distributions in all Aspects Reveals Important Insight. , 2014, , .		0
58	Theoretical analysis of attosecond quantum beat spectroscopy of helium excited states. Journal of Physics: Conference Series, 2015, 635, 092141.	0.4	0
59	Tunneling time in strong field ionisation. Journal of Physics: Conference Series, 2015, 635, 092138.	0.4	0
60	Carrier-wave Rabi flopping signatures in high-order harmonic generation. Journal of Physics: Conference Series, 2015, 635, 092032.	0.4	0
61	The bright side of downsizing. Nature Physics, 2017, 13, 626-628.	16.7	0
62	Attoclock revisited on quantum tunneling time. , 2017, , .		0
63	Double-Electron Ionization Driven by Inhomogeneous Fields. , 2018, , 491-508.		0
64	Probing Molecular Influence on Photoemission Delays. , 2019, , .		0
65	Terawatt-attosecond soft x-ray pulse generation in x-ray free electron laser. AIP Conference Proceedings, 2019, , .	0.4	0
66	Orientation-dependent stereo Wigner time delay and electron localization in a small molecule. EPJ Web of Conferences, 2019, 205, 06008.	0.3	0
67	Non-adiabatic Effects in Electron Momenta. , 2014, , .		0
68	Wannier-Bloch approach to localization in high-order harmonic generation in solids. , 2018, , .		0
69	Extraction of higher-order nonlinear electronic response in solids using high harmonic generation. , 2020, , .		0