Stefan Pabst

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7724034/publications.pdf

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35	1,663	19	34
papers	citations	h-index	g-index
38	38	38	1491
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Synthesized Light Transients. Science, 2011, 334, 195-200.	12.6	606
2	Implementation of the time-dependent configuration-interaction singles method for atomic strong-field processes. Physical Review A, 2010, 82, .	2 . 5	172
3	Decoherence in Attosecond Photoionization. Physical Review Letters, 2011, 106, 053003.	7.8	99
4	Strong-Field Many-Body Physics and the Giant Enhancement in the High-Harmonic Spectrum of Xenon. Physical Review Letters, 2013 , 111 , 233005 .	7.8	88
5	Theory of attosecond transient-absorption spectroscopy of krypton for overlapping pump and probe pulses. Physical Review A, 2012, 86, .	2.5	69
6	State-resolved attosecond reversible and irreversible dynamics in strong optical fields. Nature Physics, 2017, 13, 472-478.	16.7	59
7	Impact of multichannel and multipole effects on the Cooper minimum in the high-order-harmonic spectrum of argon. Physical Review A, 2012, 85, .	2.5	54
8	Probe of Multielectron Dynamics in Xenon by Caustics in High-Order Harmonic Generation. Physical Review Letters, 2016, 117, 093902.	7.8	49
9	Enhanced nonlinear response of Ne <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow></mml:mrow><mml:mrow></mml:mrow></mml:msup></mml:math> to intense ultrafast x rays. Physical Review A. 2012. 85	2.5	47
10	Calculation of photoelectron spectra within the time-dependent configuration-interaction singles scheme. Physical Review A, 2014, 89, .	2. 5	43
11	Spin-orbit delays in photoemission. Physical Review A, 2017, 95, .	2.5	40
12	Atomic and molecular dynamics triggered by ultrashort light pulses on the atto- to picosecond time scale. European Physical Journal: Special Topics, 2013, 221, 1-71.	2.6	37
13	Preparing attosecond coherences by strong-field ionization. Physical Review A, 2016, 93, .	2.5	33
14	Ultrafast isomerization in acetylene dication after carbon K-shell ionization. Nature Communications, 2017, 8, 453.	12.8	31
15	Computational studies of x-ray scattering from three-dimensionally-aligned asymmetric-top molecules. Physical Review A, 2010, 81, .	2.5	30
16	Introducing many-body physics using atomic spectroscopy. American Journal of Physics, 2014, 82, 113-122.	0.7	27
17	Alignment of asymmetric-top molecules using multiple-pulse trains. Physical Review A, 2010, 81, .	2.5	21
18	Theoretical characterization of the collective resonance states underlying the xenon giant dipole resonance. Physical Review A, 2015, 91, .	2.5	20

#	Article	IF	CITATIONS
19	Spin–orbit effects in atomic high-harmonic generation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124026. Controlling the 2 <mml:math< td=""><td>1.5</td><td>19</td></mml:math<>	1.5	19
20	xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mi>p</mml:mi> hole alignment in neon via the 2 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>s</mml:mi></mml:math> -3 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> Fano resonance. Physical Review A, 2014, 89, .	2.5	16
21	Stability of the time-dependent configuration-interaction-singles method in the attosecond and strong-field regimes: A study of basis sets and absorption methods. Physical Review A, 2016, 94, .	2.5	13
22	Adiabaticity and diabaticity in strong-field ionization. Physical Review A, 2013, 87, .	2.5	12
23	Eliminating the dipole phase in attosecond pulse characterization using Rydberg wave packets. Physical Review A, 2016, 94, .	2.5	11
24	High-order harmonic generation spectroscopy by recolliding electron caustics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 134002.	1.5	11
25	Attosecond counter-rotating-wave effect in xenon driven by strong fields. Physical Review A, 2017, 95,	2.5	10
26	Driving Rabi oscillations at the giant dipole resonance in xenon. Physical Review A, 2015, 92, .	2.5	8
27	Attosecond transient absorption of a bound wave packet coupled to a smooth continuum. Journal of Optics (United Kingdom), 2017, 19, 114004.	2.2	7
28	Dynamics of fluctuations in a quantum system. Physical Review A, 2014, 89, .	2.5	5
29	Characterizing attosecond pulses in the soft x-ray regime. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 104002.	1.5	4
30	Collective resonances of atomic xenon from the linear to the nonlinear regime. Journal of Physics Communications, 2018, 2, 045024.	1.2	4
31	Pulse analysis by delayed absorption from a coherently excited atom. APL Photonics, 2019, 4, .	5 . 7	4
32	Theoretical characterization of the collective resonance states underlying the xenon giant dipole resonance. Journal of Physics: Conference Series, 2015, 635, 092046.	0.4	0
33	Creating coherent hole wave packets with strong-field pulses. Journal of Physics: Conference Series, 2015, 635, 092096.	0.4	0
34	Attosecond counter rotating wave effect in xenon driven by strong fields. , 2017, , .		0
35	HHG probing of atomic dipoles by electronic wave-packet caustics. EPJ Web of Conferences, 2019, 205, 02003.	0.3	0