Stefan Pabst

List of Publications by Year
in descending order

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35	1,663	394421	377865
papers	citations	19 h-index	34 g-index

38	38	38	1491
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	HHG probing of atomic dipoles by electronic wave-packet caustics. EPJ Web of Conferences, 2019, 205, 02003.	0.3	0
2	Pulse analysis by delayed absorption from a coherently excited atom. APL Photonics, 2019, 4, .	5.7	4
3	Collective resonances of atomic xenon from the linear to the nonlinear regime. Journal of Physics Communications, 2018, 2, 045024.	1.2	4
4	High-order harmonic generation spectroscopy by recolliding electron caustics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 134002.	1.5	11
5	Spin-orbit delays in photoemission. Physical Review A, 2017, 95, .	2.5	40
6	State-resolved attosecond reversible and irreversible dynamics in strong optical fields. Nature Physics, 2017, 13, 472-478.	16.7	59
7	Characterizing attosecond pulses in the soft x-ray regime. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 104002.	1.5	4
8	Attosecond transient absorption of a bound wave packet coupled to a smooth continuum. Journal of Optics (United Kingdom), 2017, 19, 114004.	2.2	7
9	Ultrafast isomerization in acetylene dication after carbon K-shell ionization. Nature Communications, 2017, 8, 453.	12.8	31
10	Attosecond counter-rotating-wave effect in xenon driven by strong fields. Physical Review A, 2017, 95, .	2.5	10
11	Attosecond counter rotating wave effect in xenon driven by strong fields. , 2017, , .		0
12	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
13	Probe of Multielectron Dynamics in Xenon by Caustics in High-Order Harmonic Generation. Physical Review Letters, 2016, 117, 093902.	7.8	49
14	Preparing attosecond coherences by strong-field ionization. Physical Review A, 2016, 93, .	2.5	33
15	Eliminating the dipole phase in attosecond pulse characterization using Rydberg wave packets. Physical Review A, 2016, 94, .	2.5	11
16	Driving Rabi oscillations at the giant dipole resonance in xenon. Physical Review A, 2015, 92, .	2.5	8
17	Theoretical characterization of the collective resonance states underlying the xenon giant dipole resonance. Journal of Physics: Conference Series, 2015, 635, 092046.	0.4	0
18	Creating coherent hole wave packets with strong-field pulses. Journal of Physics: Conference Series, 2015, 635, 092096.	0.4	0

#	Article	IF	Citations
19	Theoretical characterization of the collective resonance states underlying the xenon giant dipole resonance. Physical Review A, 2015, 91, .	2.5	20
20	Dynamics of fluctuations in a quantum system. Physical Review A, 2014, 89, .	2.5	5
21	Controlling the 2<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math>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
22	Spinâ€“orbit effects in atomic high-harmonic generation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124026.	1.5	19
23	Calculation of photoelectron spectra within the time-dependent configuration-interaction singles scheme. Physical Review A, 2014, 89, .	2.5	43
24	Introducing many-body physics using atomic spectroscopy. American Journal of Physics, 2014, 82, 113-122.	0.7	27
25	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
26	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
27	Adiabaticity and diabaticity in strong-field ionization. Physical Review A, 2013, 87, .	2.5	12
28	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
29	Enhanced nonlinear response of Ne<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>8</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>to intense ultrafast x rays. Physical Review A, 2012, 85, .	2.5	47
30	Theory of attosecond transient-absorption spectroscopy of krypton for overlapping pump and probe pulses. Physical Review A, 2012, 86, .	2.5	69
31	Decoherence in Attosecond Photoionization. Physical Review Letters, 2011, 106, 053003.	7.8	99
32	Synthesized Light Transients. Science, 2011, 334, 195-200.	12.6	606
33	Implementation of the time-dependent configuration-interaction singles method for atomic strong-field processes. Physical Review A, 2010, 82, .	2.5	172
34	Alignment of asymmetric-top molecules using multiple-pulse trains. Physical Review A, 2010, 81, .	2.5	21
35	Computational studies of x-ray scattering from three-dimensionally-aligned asymmetric-top molecules. Physical Review A, 2010, 81, .	2.5	30