

Adrian N Pfeiffer

List of Publications by Year in descending order

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36
papers

2,211
citations

567281

15
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

1372
citing authors

#	ARTICLE	IF	CITATIONS
1	Attosecond Ionization and Tunneling Delay Time Measurements in Helium. <i>Science</i> , 2008, 322, 1525-1529.	12.6	725
2	Attoclock reveals natural coordinates of the laser-induced tunnelling current flow in atoms. <i>Nature Physics</i> , 2012, 8, 76-80.	16.7	330
3	What will it take to observe processes in 'real time'?. <i>Nature Photonics</i> , 2014, 8, 162-166.	31.4	220
4	Timing the release in sequential double ionization. <i>Nature Physics</i> , 2011, 7, 428-433.	16.7	192
5	Light-induced states in attosecond transient absorption spectra of laser-dressed helium. <i>Physical Review A</i> , 2012, 86, .	2.5	112
6	Probing the Longitudinal Momentum Spread of the Electron Wave Packet at the Tunnel Exit. <i>Physical Review Letters</i> , 2012, 109, 083002.	7.8	111
7	Rydberg state creation by tunnel ionization. <i>New Journal of Physics</i> , 2013, 15, 013001.	2.9	80
8	Breakdown of the independent electron approximation in sequential double ionization. <i>New Journal of Physics</i> , 2011, 13, 093008.	2.9	68
9	Recent attoclock measurements of strong field ionization. <i>Chemical Physics</i> , 2013, 414, 84-91.	1.9	51
10	Transmission of an isolated attosecond pulse in a strong-field dressed atom. <i>Physical Review A</i> , 2012, 85, .	2.5	50
11	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.	1.5	48
12	Unified Approach to Probing Coulomb Effects in Tunnel Ionization for Any Ellipticity of Laser Light. <i>Physical Review Letters</i> , 2013, 111, 263001.	7.8	45
13	Strong-field induced XUV transmission and multiplet splitting in $4d^{16}p$ core-excited Xe studied by femtosecond XUV transient absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2012, 137, 244305.	3.0	29
14	Alternating absorption features during attosecond-pulse propagation in a laser-controlled gaseous medium. <i>Physical Review A</i> , 2013, 88, .	2.5	29
15	Subcycle-resolved probe retardation in strong-field pumped dielectrics. <i>Nature Communications</i> , 2015, 6, 7746.	12.8	19
16	Investigation of coupling mechanisms in attosecond transient absorption of autoionizing states: comparison of theory and experiment in xenon. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 125601.	1.5	14
17	All-optical attoclock for imaging tunnelling wavepackets. <i>Nature Physics</i> , 2022, 18, 417-422.	16.7	12
18	Calculation of valence electron motion induced by sequential strong-field ionisation. <i>Molecular Physics</i> , 2013, 111, 2283-2291.	1.7	10

#	ARTICLE	IF	CITATIONS
19	Iteration of semiconductor Bloch equations for ultrashort laser pulse propagation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 164002.	1.5	10
20	Effects of the groove-envelope phase in self-diffraction. Journal of Modern Optics, 2017, 64, 1112-1118.	1.3	9
21	Harmonic Concatenation of 1.5 fs Pulses in the Deep Ultraviolet. ACS Photonics, 2019, 6, 1351-1355.	6.6	7
22	Revealing the role of electron correlation in sequential double ionization. Physical Review A, 2014, 89, .	2.5	6
23	Signatures of self-modulation effects during pulse propagation in single-pulse absorption spectra. Physical Review A, 2019, 99, .	2.5	6
24	Macroscopic transient absorption in a Λ -type three-level system. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 175601.	1.5	6
25	Characterization of two ultrashort laser pulses using interferometric imaging of self-diffraction. Optics Letters, 2017, 42, 5246.	3.3	5
26	Watching the formation and reshaping of a Fano resonance in a macroscopic medium. Physical Review A, 2021, 103, .	2.5	5
27	Characterization of weak deep ultraviolet pulses using cross-phase modulation scans. Optics Letters, 2019, 44, 1809.	3.3	5
28	The role of delay times in subcycle-resolved probe retardation measurements. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 76, 223-230.	2.7	3
29	Characterization of over-octave-spanning laser pulses using interferometric imaging of self-diffraction. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1928.	2.1	3
30	The Attoclock: A Novel Ultrafast Measurement Technique with Attosecond Time Resolution. Springer Series in Optical Sciences, 2013, , 135-158.	0.7	1
31	Laser induced tunneling ionization in less than 12 attoseconds measured by attosecond angular streaking. , 2009, , .		0
32	Attosekundengenaue Tunnelzeitmessung. Physik in Unserer Zeit, 2009, 40, 67-68.	0.0	0
33	Probing the longitudinal momentum spread of the electron wave packet at the tunnel exit. EPJ Web of Conferences, 2013, 41, 02017.	0.3	0
34	Reprint of: The role of delay times in subcycle-resolved probe retardation measurements. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 82, 122-128.	2.7	0
35	Imaging fourier spectroscopy for nonlinear delay measurements. , 2017, , .		0
36	Harmonic Concatenation of 1.5-Femtosecond-Pulses in the Deep UV. , 2019, , .		0