

Mauro Nisoli

List of Publications by Year in descending order

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346
papers

14,559
citations

28274

55
h-index

19749

117
g-index

359
all docs

359
docs citations

359
times ranked

5876
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstruction of ultrafast exciton dynamics with a phase-retrieval algorithm. Optics Express, 2022, 30, 12248.	3.4	2
2	Attosecond spectroscopy for the investigation of ultrafast dynamics in atomic, molecular and solid-state physics. Reports on Progress in Physics, 2022, 85, 066401.	20.1	40
3	Ensemble effects on the reconstruction of attosecond pulses and photoemission time delays. JPhys Photonics, 2022, 4, 034006.	4.6	4
4	Unravelling the intertwined atomic and bulk nature of localised excitons by attosecond spectroscopy. Nature Communications, 2021, 12, 1021.	12.8	32
5	Real-time observation of a correlation-driven sub 3â€‰%fs charge migration in ionised adenine. Communications Chemistry, 2021, 4, .	4.5	38
6	Double-Foci Beamline for Attosecond Transient Reflection Spectroscopy. , 2021, , .		0
7	Reconstruction of Ultrafast Exciton Dynamics with a Phase-retrieval Algorithm. , 2021, , .		0
8	Time-frequency mapping of two-colour photoemission driven by harmonic radiation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 154003.	1.5	8
9	Ultrafast exciton dynamics reconstruction with a ptychographic approach. EPJ Web of Conferences, 2021, 255, 13005.	0.3	0
10	A systematic study of the valence electronic structure of cyclo(Glyâ€‰Phe), cyclo(Trpâ€‰Tyr) and cyclo(Trpâ€‰Trp) dipeptides in the gas phase. Physical Chemistry Chemical Physics, 2021, 23, 26793-26805.	2.8	4
11	Reconstruction of few-fs XUV pulses with a perturbative approach. EPJ Web of Conferences, 2021, 255, 11008.	0.3	0
12	Novel beamline for attosecond transient reflection spectroscopy in a sequential two-foci geometry. Review of Scientific Instruments, 2020, 91, 053002.	1.3	17
13	Attosecond pulse generation at ELI-ALPS 100 kHz repetition rate beamline. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 154004.	1.5	21
14	Ultrafast Quantum Interference in the Charge Migration of Tryptophan. Journal of Physical Chemistry Letters, 2020, 11, 891-899.	4.6	21
15	Robustness of the ePIE algorithm for the complete characterization of femtosecond, extreme ultra-violet pulses. Optics Express, 2020, 28, 10210.	3.4	9
16	Few-femtosecond dynamics of CO2 super-excited states. , 2020, , .		0
17	A beamline for attosecond UV pump - XUV probe experiments. EPJ Web of Conferences, 2019, 205, 02017.	0.3	0
18	Generation and complete temporal characterization of 5-fs EUV pulses. EPJ Web of Conferences, 2019, 205, 02009.	0.3	0

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19	Ultrafast mapping of relaxation dynamics of ethylene cation. EPJ Web of Conferences, 2019, 205, 06002.	0.3	0
20	Double-blind holography of attosecond pulses. Nature Photonics, 2019, 13, 91-95.	31.4	16
21	High-resolution mass spectrometry and velocity map imaging for ultrafast electron dynamics in complex biomolecules. EPJ Web of Conferences, 2019, 205, 03007.	0.3	0
22	Charge migration in photo-ionized aromatic amino acids. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20170472.	3.4	15
23	1.9 fs Deep-UV Pulses from Third-Harmonic Generation in Argon. , 2019, , .		0
24	Generation of deep ultraviolet sub-2-fs pulses. Optics Letters, 2019, 44, 1308.	3.3	47
25	Attosecond streaking metrology with isolated nanotargets. Journal of Optics (United Kingdom), 2018, 20, 024002.	2.2	11
26	Refined Ptychographic Reconstruction of Attosecond Pulses. Applied Sciences (Switzerland), 2018, 8, 2563.	2.5	6
27	Ultrafast Hydrogen Migration in Photoionized Glycine. Journal of Physical Chemistry Letters, 2018, 9, 6012-6016.	4.6	16
28	Few-femtosecond extreme-ultraviolet pulses fully reconstructed by a ptychographic technique. Optics Express, 2018, 26, 6771.	3.4	23
29	Attosecond Pump-Probe Spectroscopy of Charge Dynamics in Tryptophan. Journal of Physical Chemistry Letters, 2018, 9, 4570-4577.	4.6	74
30	Generation of Few-Cycle UV pulses Synchronized with Attosecond XUV Pulses. , 2018, , .		1
31	Attosecond Electron Dynamics in Molecules. Chemical Reviews, 2017, 117, 10760-10825.	47.7	367
32	The ELI-ALPS facility: the next generation of attosecond sources. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 132002.	1.5	128
33	Ultrafast dynamics in the DNA building blocks thymidine and thymine initiated by ionizing radiation. Physical Chemistry Chemical Physics, 2017, 19, 19815-19821.	2.8	20
34	Attosecond chronoscopy of electron scattering in dielectric nanoparticles. Nature Physics, 2017, 13, 766-770.	16.7	74
35	Vectorial optical field reconstruction by attosecond spatial interferometry. Nature Photonics, 2017, 11, 383-389.	31.4	34
36	Coherent diffractive imaging of single helium nanodroplets with a high harmonic generation source. Nature Communications, 2017, 8, 493.	12.8	71

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37	Observation of autoionization dynamics and sub-cycle quantum beating in electronic molecular wave packets. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 065102.	1.5	36
38	Charge migration induced by attosecond pulses in bio-relevant molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 142001.	1.5	80
39	Advances in attosecond science. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 062001.	1.5	334
40	Attosecond Electron Spectroscopy in Molecules. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2016, , 143-160.	0.2	0
41	Ultrafast Charge Dynamics Induced by XUV Attosecond Pulses in Bio-relevant Molecules. , 2016, , .		0
42	Attosecond clocking of scattering dynamics in dielectrics. , 2016, , .		0
43	Polarization control of absorption of virtual dressed states in helium. <i>Physical Review A</i> , 2015, 92, .	2.5	33
44	Mapping the Dissociative Ionization Dynamics of Molecular Nitrogen with Attosecond Time Resolution. <i>Physical Review X</i> , 2015, 5, .	8.9	25
45	Self-referenced spectral interferometry for single-shot measurement of sub-5-fs pulses. <i>Review of Scientific Instruments</i> , 2015, 86, 113106.	1.3	11
46	XUV induced hydrogen migration in 5-halouracil. <i>Journal of Physics: Conference Series</i> , 2015, 635, 112131.	0.4	3
47	Mapping the dissociative ionization dynamics of molecular nitrogen with attosecond resolution. <i>Journal of Physics: Conference Series</i> , 2015, 635, 112101.	0.4	0
48	Observation of charge migration in amino acids. , 2015, , .		0
49	Light at the extremes: From femto- to atto-science for real-time studies of atomic and electronic motions. <i>Europhysics Letters</i> , 2015, 112, 24001.	2.0	2
50	Ultrafast Charge Dynamics in an Amino Acid Induced by Attosecond Pulses. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 1-12.	2.9	19
51	Advances in high-order harmonic generation sources for time-resolved investigations. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 204, 257-268.	1.7	31
52	Mapping the spectral phase of isolated attosecond pulses by extreme-ultraviolet emission spectrum. <i>Optics Express</i> , 2015, 23, 9858.	3.4	7
53	Sub-4-fs Charge Migration in Phenylalanine. <i>Springer Proceedings in Physics</i> , 2015, , 52-55.	0.2	0
54	Overview on Attosecond Sources. <i>Springer Series in Optical Sciences</i> , 2015, , 41-62.	0.7	0

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55	High-throughput beamline for attosecond pulses based on toroidal mirrors with microfocusing capabilities. Review of Scientific Instruments, 2014, 85, 103115.	1.3	18
56	Microfocusing beamline for XUV-XUV pump-probe experiments using HH generation. Proceedings of SPIE, 2014, , .	0.8	1
57	Single-shot, high dynamic and long temporal range measurement of 4-fs pulses. , 2014, , .		0
58	Sub-4-fs Charge Migration in Phenylalanine. , 2014, , .		0
59	Carrier-envelope-phase dependence of asymmetric C D bond breaking in C ₂ D ₂ in an intense few-cycle laser field. Chemical Physics Letters, 2014, 595-596, 61-66.	2.6	35
60	In situ measurement of nonlinear carrier-envelope phase changes in hollow fiber compression. Optics Letters, 2014, 39, 2302.	3.3	18
61	Electron Localization in Hydrogen. Springer Series in Chemical Physics, 2014, , 17-32.	0.2	2
62	Ultrafast electron dynamics in phenylalanine initiated by attosecond pulses. Science, 2014, 346, 336-339.	12.6	615
63	Attosecond photoionization for reconstruction of bound-electron wave packets. Physical Review A, 2014, 90, .	2.5	9
64	Direct Measurement of Nonlinear Carrier-Envelope Phase Changes in Hollow Fiber Compression. , 2014, , .		0
65	4-fs pulses, single-shot, high dynamic and long temporal range self-referenced spectral interferometry measurement. , 2014, , .		0
66	Attosecond dynamics of autoionizing states in electronic molecular wave packets. , 2014, , .		0
67	In-Situ Measurement of Intensity-Dependent Carrier-Envelope Phase Changes in Hollow Fiber Compression. , 2014, , .		0
68	Reconstruction of attosecond electron wave packets using quantum state holography. Physical Review A, 2013, 88, .	2.5	24
69	Carrier-Envelope Phase Effects of a Single Attosecond Pulse in Two-Color Photoionization. Physical Review Letters, 2013, 111, 123901.	7.8	35
70	Gating Techniques for Shaping of Attosecond Pulses. Springer Series in Chemical Physics, 2013, , 55-69.	0.2	1
71	Micro-focusing of soft X-ray pulses by grazing-incidence toroidal mirrors. , 2013, , .		0
72	The ELI-ALPS secondary sources: a gateway to scientific excellence. , 2013, , .		0

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73	Observation of ultrafast electron dynamics in N ₂ molecules induced by attosecond pulses. , 2013, , .		0
74	Micro-focusing of attosecond pulses by grazing-incidence toroidal mirrors. Optics Express, 2013, 21, 13040.	3.4	21
75	Complete analog control of the carrier-envelope-phase of a high-power laser amplifier. Optics Express, 2013, 21, 25248.	3.4	22
76	Micro-focusing of XUV attosecond pulses by grazing-incidence toroidal mirrors. , 2013, , .		0
77	Ultrafast dynamics of highly-excited states in N ₂ molecules excited by attosecond pulses. , 2013, , .		0
78	Ultrafast electron dynamics in an amino acid measured by attosecond pulses. , 2013, , .		0
79	Ultrafast Relaxation Dynamics of Highly-excited States in N ₂ Molecules Excited by Femtosecond XUV Pulses. EPJ Web of Conferences, 2013, 41, 02004.	0.3	0
80	Attosecond Absorption Spectroscopy in Molecules. , 2013, , .		2
81	Attosecond Pulses for the Investigation of Electron Dynamics: from Diatomic Molecules to Biomolecules. , 2013, , .		0
82	Attosecond Pulse Characterization. Springer Series in Optical Sciences, 2013, , 69-80.	0.7	0
83	Ultrafast Electron Transfer in an Amino Acid Induced by Attosecond Pulses. , 2013, , .		0
84	Nonadiabatic quantum path analysis of the high-order harmonic generation in a highly ionized medium. New Journal of Physics, 2012, 14, 033009.	2.9	5
85	High order harmonics driven by an infrared parametric source: Application to molecular orbital reconstruction. , 2012, , .		0
86	Autoionization and ultrafast relaxation dynamics of highly excited states in N ₂ . Physical Review A, 2012, 86, .	2.5	30
87	Control of the polarization of isolated attosecond pulses in atoms with nonvanishing angular quantum number. Physical Review A, 2012, 85, .	2.5	16
88	Temporal gating methods for the generation of isolated attosecond pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 074002.	1.5	14
89	Observation of Ultrafast Charge Migration in an Amino Acid. Journal of Physical Chemistry Letters, 2012, 3, 3751-3754.	4.6	108
90	Attosecond electron interferometry for measurement of the quantum phase of free-electron wave packets. Physical Review A, 2012, 86, .	2.5	4

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91	Complete characterization of a coherent superposition of atomic states by asymmetric attosecond photoionization. <i>Physical Review A</i> , 2012, 85, .	2.5	11
92	Analysis of the damage effect of femtosecond-laser irradiation on extreme ultraviolet Mo/Si multilayer coating. <i>Thin Solid Films</i> , 2012, 520, 2301-2306.	1.8	5
93	Attosecond Technology and Science. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 507-519.	2.9	28
94	A Generalized Approach to Molecular Orbital Tomography. <i>Springer Proceedings in Physics</i> , 2012, , 277-281.	0.2	0
95	Ionization Gating for the Generation of Tunable XUV Radiation and Isolated Attosecond Pulses. <i>Springer Proceedings in Physics</i> , 2012, , 91-95.	0.2	0
96	Above-threshold ionization of diatomic molecules by few-cycle laser pulses. <i>Physical Review A</i> , 2011, 84, .	2.5	43
97	Generalized molecular orbital tomography. <i>Nature Physics</i> , 2011, 7, 822-826.	16.7	355
98	High-energy attosecond light sources. <i>Nature Photonics</i> , 2011, 5, 655-663.	31.4	289
99	Isolated attosecond pulses: generation and application to molecular science. , 2011, , .		0
100	Analysis of the simultaneous measurements of iron K- and L-shell radiation from ultrashort laser produced plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 065602.	1.5	7
101	Quantum path control in harmonic generation by temporal shaping of few-optical-cycle pulses in ionizing media. <i>Physical Review A</i> , 2011, 84, .	2.5	17
102	Efficient attosecond pulse generation by gating HHG with sub-cycle ionization dynamics. , 2011, , .		0
103	Principles and Applications of Attosecond Technology. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2011, 60, 371-413.	2.3	8
104	Generation and characterization of isolated attosecond pulses for atomic and molecular physics. , 2011, , .		0
105	Time-duration dependence from the simultaneous measurements of iron K- and L-shell radiation from laser produced plasmas. <i>Journal of Physics: Conference Series</i> , 2010, 244, 042004.	0.4	2
106	Coherent XUV generation by an IR parametric source: a step towards attosecond pulses at 100 eV. , 2010, , .		0
107	High order harmonics driven by a self-phase-stabilized IR parametric source. <i>Laser Physics</i> , 2010, 20, 1019-1027.	1.2	17
108	Electron localization following attosecond molecular photoionization. <i>Nature</i> , 2010, 465, 763-766.	27.8	630

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109	High-energy isolated attosecond pulses generated by above-saturation few-cycle fields. Nature Photonics, 2010, 4, 875-879.	31.4	252
110	Temporal Gating based on Electron Wavepacket Diffusion for XUV Supercontinuum Generation. , 2010, , .		1
111	Attosecond Electron Spectroscopy Using a Novel Interferometric Pump-Probe Technique. Physical Review Letters, 2010, 105, 053001.	7.8	181
112	Towards isolated attosecond pulses by polarization- and two-color-gating. AIP Conference Proceedings, 2010, , .	0.4	0
113	HOMO Signature in High Order Harmonics Driven in N2O and CO2 by a Few-Cycle 1.5-Åµm Parametric Source. , 2010, , .		0
114	High-Energy Isolated Attosecond Pulses. , 2010, , .		0
115	High-order harmonics generated by 1.5 Åµm parametric source. Journal of Modern Optics, 2010, 57, 1008-1013.	1.3	5
116	High Order Harmonics Driven by 1.5-Åµm Parametric Source: a Tool for Attosecond Science. , 2010, , .		0
117	Strong HOMO Signature in High Order Harmonics Driven in CO2 by a Few-Cycle 1.5-Åµm Parametric Source. , 2010, , .		0
118	Mixing phase stable pulses in the IR to target at high-energy attosecond pulses. , 2009, , .		0
119	Phase matching effects in high-order harmonics generated by 1.5-Åµm few-cycle pulses. , 2009, , .		0
120	Time-delay compensated monochromator for the spectral selection of extreme-ultraviolet high-order laser harmonics. Review of Scientific Instruments, 2009, 80, 123109.	1.3	62
121	Attosecond electron interferometry. , 2009, , .		1
122	Towards atomic unit pulse duration by polarization-controlled few-cycle pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 134005.	1.5	13
123	Advances in laser technology for isolated attosecond pulse generation. Laser Physics Letters, 2009, 6, 259-267.	1.4	37
124	New frontiers in attosecond science. Progress in Quantum Electronics, 2009, 33, 17-59.	7.0	146
125	Generation and application of high energy, 30 fs pulses at 527 nm by hollow-fiber compression technique. European Physical Journal: Special Topics, 2009, 175, 11-14.	2.6	2
126	Efficient continuum generation exceeding 200 eV by intense ultrashort two-color driver. Optics Letters, 2009, 34, 3125.	3.3	73

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127	Shaping of attosecond pulses by phase-stabilized polarization gating. <i>Physical Review A</i> , 2009, 80, .	2.5	42
128	Coherent continuum generation above 100 eV driven by an ir parametric source in a two-color scheme. <i>Physical Review A</i> , 2009, 79, .	2.5	83
129	Molecular Dissociative Ionization and Wave-Packet Dynamics Studied Using Two-Color XUV and IR Pump-Probe Spectroscopy. <i>Physical Review Letters</i> , 2009, 103, 123005.	7.8	115
130	Attosecond control of electron localization in one- and two-color dissociative ionization of H ₂ and D ₂ . <i>Springer Series in Chemical Physics</i> , 2009, , 51-53.	0.2	1
131	Transient Waveguiding in a Rotationally Excited Molecular Gas. <i>Springer Series in Chemical Physics</i> , 2009, , 84-86.	0.2	0
132	Sub-10-fs XUV Tunable Pulses at the Output of a Time-Delay-Compensated Monochromator. <i>Springer Series in Chemical Physics</i> , 2009, , 881-883.	0.2	0
133	Seeding experiments at SPARC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 593, 132-136.	1.6	14
134	High-Energy Pulse Compression Techniques. <i>Springer Series in Optical Sciences</i> , 2008, , 3-15.	0.7	0
135	Phase-contrast imaging of nanostructures by soft x rays from a femtosecond-laser plasma. <i>JETP Letters</i> , 2008, 87, 238-242.	1.4	14
136	Intense femtosecond extreme ultraviolet pulses by using a time-delay-compensated monochromator: erratum. <i>Optics Letters</i> , 2008, 33, 140.	3.3	5
137	Characterization of a high-energy self-phase-stabilized near-infrared parametric source. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, B112.	2.1	33
138	Temporal characterization of a time-compensated monochromator for high-efficiency selection of extreme-ultraviolet pulses generated by high-order harmonics. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, B44.	2.1	14
139	Excitation of X-Ray Plasma Satellites in a Femtosecond Laser-Produced Plasma. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
140	Attosecond metrology in the few-optical-cycle regime. <i>New Journal of Physics</i> , 2008, 10, 025006.	2.9	21
141	Rotational Raman Effects in the Wake of Optical Filamentation. <i>Physical Review Letters</i> , 2008, 100, 123006.	7.8	86
142	High-order harmonic generation with a 1.5 μm self-phase-stabilized parametric source. , 2008, , .		0
143	From Attoseconds to Controlled Dynamics: Recent Advances in XUV Sources. , 2008, , .		0
144	Novel gas targets for efficient high-harmonic generation and more energetic attosecond pulse generation. , 2008, , .		0

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145	Attosecond excitation of electron wavepackets. , 2008, , .		0
146	Intense XUV femtosecond pulses selected by a time-delay-compensated monochromator. , 2008, , .		0
147	Attosecond control of electron localization in one- and two-color dissociative ionization of H$_2$ and D$_2$. , 2008, , .		0
148	Filament seeded high-energy IR parametric source with self stabilization of carrier-envelope phase. , 2007, , .		0
149	Isolated Attosecond Pulses in the Few-Cycle Regime. , 2007, , .		0
150	Attosecond Pulses in the Few-Cycle Regime. , 2007, , .		0
151	Soft X-Ray Contact Imaging of Thin Films by a Laser-Plasma Source. , 2007, , .		0
152	Attosecond Technology and Wavefunction Tomography. , 2007, , .		0
153	Imaging of Attosecond Electron Wave Packets. , 2007, , .		0
154	Extracting ion emission lines from femtosecond-laser plasma x-ray spectra heavily contaminated by spikes. Journal of Applied Physics, 2007, 102, 063303.	2.5	4
155	High energy self-phase-stabilized pulses tunable in the near-IR by difference frequency generation and optical parametric amplification. Laser and Particle Beams, 2007, 25, 471-479.	1.0	4
156	Soft X-ray Fresnel-like diffraction from thin films edges by an ultrafast laser plasma source. , 2007, , .		0
157	<title>Future seeding experiments at SPARC</title>. , 2007, , .		0
158	X-ray spectroscopy observation of fast ions generation in plasma produced by short low-contrast laser pulse irradiation of solid targets. Laser and Particle Beams, 2007, 25, 267-275.	1.0	58
159	Hollow-fiber compression of visible, 200 fs laser pulses to 40 fs pulse duration. Optics Letters, 2007, 32, 1866.	3.3	9
160	Elemental sensitivity in soft x-ray imaging with a laser-plasma source and a color center detector. Optics Letters, 2007, 32, 2593.	3.3	20
161	Intense femtosecond extreme ultraviolet pulses by using a time-delay-compensated monochromator. Optics Letters, 2007, 32, 2897.	3.3	88
162	Millijoule-level phase-stabilized few-optical-cycle infrared parametric source. Optics Letters, 2007, 32, 2957.	3.3	181

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163	Attosecond technology and wavefunction tomography. , 2007, , .		0
164	Probing electron dynamics by ellipticity effects in molecular high harmonic generation. Journal of Modern Optics, 2007, 54, 1063-1074.	1.3	2
165	Isolated attosecond pulses in the few-cycle regime. , 2007, , .		0
166	Rising the signal-to-noise ratio in X-ray spectra of femtosecond laser-produced plasmas using the "mean-median" algorithm. Instruments and Experimental Techniques, 2007, 50, 764-771.	0.5	1
167	Brave new attoworld. Nature Photonics, 2007, 1, 499-500.	31.4	8
168	Sub 100 attosecond XUV pulses. Springer Series in Chemical Physics, 2007, , 3-5.	0.2	0
169	Quantum Interference in Aligned Molecules. Springer Series in Optical Sciences, 2007, , 361-366.	0.7	0
170	Spectral Interference of Attosecond Light Pulses. Springer Series in Optical Sciences, 2007, , 33-38.	0.7	0
171	High energy self-phase-stabilized pulses by difference frequency generation and optical parametric amplification. Springer Series in Chemical Physics, 2007, , 71-73.	0.2	0
172	Isolated Single-Cycle Attosecond Pulses. Science, 2006, 314, 443-446.	12.6	1,496
173	Imaging of recombination events in high-order harmonic generation by phase-stabilized few-optical-cycle pulses. Journal of Modern Optics, 2006, 53, 67-74.	1.3	7
174	Generation of high-energy self-phase-stabilized pulses by difference-frequency generation followed by optical parametric amplification. Optics Letters, 2006, 31, 963.	3.3	29
175	Frequency chirp of long electron quantum paths in high-order harmonic generation. Optics Express, 2006, 14, 2242.	3.4	12
176	High-energy, few-optical-cycle pulses at 1.5 Åµm with passive carrier-envelope phase stabilization. Optics Express, 2006, 14, 10109.	3.4	74
177	Controlling attosecond electron dynamics by phase-stabilized polarization gating. Nature Physics, 2006, 2, 319-322.	16.7	399
178	Generation of fast ions in femto-and picosecond laser plasmas at low intensities of the heating radiation. JETP Letters, 2006, 84, 308-313.	1.4	6
179	Control of electron wave-packets in high-order harmonic generation by ultrashort light pulses. AIP Conference Proceedings, 2006, , .	0.4	0
180	Probing two-centre interference in molecular high harmonic generation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, S457-S466.	1.5	31

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181	Control of long electron quantum paths in high-order harmonic generation by phase-stabilized light pulses. <i>Physical Review A</i> , 2006, 73, .	2.5	31
182	Table-top soft x-ray imaging of nanometric films. <i>Applied Physics Letters</i> , 2006, 89, 111122.	3.3	15
183	Classical trajectories of molecules exposed to few-optical-cycle light pulses. <i>Physical Review A</i> , 2006, 73, .	2.5	3
184	XUV radiation for novel investigations of the matter in the temporal domain of few-femtoseconds and below. , 2006, , .		0
185	High-order harmonic generation in alkanes. <i>Physical Review A</i> , 2006, 73, .	2.5	15
186	Molecular orbital dependence of high-order harmonic generation. <i>Journal of Modern Optics</i> , 2006, 53, 97-111.	1.3	6
187	High energy self-phase-stabilized pulses by difference frequency generation and optical parametric amplification. , 2006, , .		0
188	High-order laser harmonics and synchrotron study of transition metals M _{2,3} edges. <i>Physical Review B</i> , 2006, 73, .	3.2	25
189	Imaging molecular structure and dynamics using laser driven recollisions. , 2006, , .		0
190	Effects of Carrier-Envelope Phase of Few-Cycle Pulses on High-Order Harmonic Generation. <i>Springer Series in Chemical Physics</i> , 2006, , 133-150.	0.2	0
191	High energy self-phase-stabilized pulses by difference frequency generation and optical parametric amplification. , 2006, , .		0
192	Measurement of Isolated Attosecond Pulses in the Few-Cycle Regime. , 2006, , .		8
193	Broadband isolated attosecond XUV pulses. , 2006, , .		0
194	Sub 100 attosecond XUV pulses. , 2006, , .		0
195	Tunable isolated attosecond pulses. , 2006, , .		0
196	Optimal spectral broadening in hollow-fiber compressor systems. <i>Applied Physics B: Lasers and Optics</i> , 2005, 80, 285-289.	2.2	58
197	Dependence upon the molecular and atomic ground state of higher-order harmonic generation in the few-optical-cycle regime. <i>Physical Review A</i> , 2005, 71, .	2.5	18
198	Measurement of Harmonic Phase Differences by Interference of Attosecond Light Pulses. <i>Physical Review Letters</i> , 2005, 94, 193903.	7.8	29

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199	Controlling Two-Center Interference in Molecular High Harmonic Generation. <i>Physical Review Letters</i> , 2005, 95, 153902.	7.8	333
200	Cluster effects in high-order harmonics generated by ultrashort light pulses. <i>Applied Physics Letters</i> , 2005, 86, 111121.	3.3	111
201	Adaptive wavefront control based on genetic algorithm for the enhancement of high-order harmonic generation driven by two-cycle laser pulses. , 2004, 5333, 98.		1
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