

Paul B Corkum

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

370
papers

36,992
citations

90
h-index

188
g-index

447
ext. papers

41,559
ext. citations

6.8
avg, IF

7.41
L-index

#	Paper	IF	Citations
370	Energy deposition and incubation effects of nonlinear absorption of ultrashort laser pulses in dielectrics.. <i>Optics Express</i> , 2022 , 30, 10317-10328	3.3	1
369	Coherent control of ultrafast extreme ultraviolet transient absorption. <i>Nature Photonics</i> , 2022 , 16, 45-51	33.9	2
368	Perspective on phase-controlled currents in semiconductors driven by structured light. <i>Applied Physics Letters</i> , 2022 , 120, 160504	3.4	1
367	Reconfigurable terahertz metasurfaces coherently controlled by wavelength-scale-structured light. <i>Nanophotonics</i> , 2021 ,	6.3	2
366	Single-shot dispersion sampling for optical pulse reconstruction. <i>Optics Express</i> , 2021 , 29, 11845-11853	3.3	2
365	Chiral high-harmonic generation and spectroscopy on solid surfaces using polarization-tailored strong fields. <i>Nature Communications</i> , 2021 , 12, 3723	17.4	3
364	Reconfigurable electronic circuits for magnetic fields controlled by structured light. <i>Nature Photonics</i> , 2021 , 15, 622-626	33.9	9
363	Generation of structured coherent extreme ultraviolet beams from an MgO crystal. <i>Optics Express</i> , 2021 , 29, 24161-24168	3.3	2
362	High-harmonic generation in metallic titanium nitride. <i>Nature Communications</i> , 2021 , 12, 4981	17.4	4
361	Control of N ₂ ⁺ air lasing. <i>Physical Review A</i> , 2020 , 102,	2.6	3
360	Beam optimization in a 25 TW femtosecond laser system for high harmonic generation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020 , 53, 145602	1.3	2
359	Tesla-Scale Terahertz Magnetic Impulses. <i>Physical Review X</i> , 2020 , 10,	9.1	6
358	Delay measurement of attosecond emission in solids. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020 , 53, 124001	1.3	2
357	Simultaneous measurements of strong-field ionization and high harmonic generation in aligned molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020 , 53, 084006	1.3	5
356	High harmonics diffraction caused by an ellipticity grating. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020 , 53, 094002	1.3	1
355	Multiphoton laser-induced confined chemical changes in polymer films. <i>Optics Express</i> , 2020 , 28, 11267-11279	13.79	1
354	Femtosecond streaking in ambient air. <i>Optica</i> , 2020 , 7, 1372	8.6	11

353	Wannier quasi-classical approach to high harmonic generation in semiconductors. <i>Optica</i> , 2020 , 7, 1764	8.6	6
352	Probing multiphoton light-induced molecular potentials. <i>Nature Communications</i> , 2020 , 11, 2596	17.4	10
351	Coulomb blocking of sequential tunnel ionization in complex systems. <i>JPhys Photonics</i> , 2020 , 2, 034007	2.5	2
350	Signatures of Light-Induced Potential Energy Surfaces in H_2^+ . <i>Journal of Physics: Conference Series</i> , 2020 , 1412, 092017	0.3	
349	Spatially controlled nano-structuring of silicon with femtosecond vortex pulses. <i>Scientific Reports</i> , 2020 , 10, 12643	4.9	6
348	Clocking Enhanced Ionization of Hydrogen Molecules with Rotational Wave Packets. <i>Physical Review Letters</i> , 2020 , 125, 173201	7.4	4
347	Vectorized optoelectronic control and metrology in a semiconductor. <i>Nature Photonics</i> , 2020 , 14, 680-685	5.9	22
346	Generating few-cycle radially polarized pulses. <i>Optica</i> , 2019 , 6, 160	8.6	21
345	Vectorizing the spatial structure of high-harmonic radiation from gas. <i>Nature Communications</i> , 2019 , 10, 2020	17.4	8
344	Spatiotemporal imaging of valence electron motion. <i>Nature Communications</i> , 2019 , 10, 1042	17.4	13
343	Non-Born-Oppenheimer electronic wave packet in molecular nitrogen at 14 eV probed by time-resolved photoelectron spectroscopy. <i>Physical Review A</i> , 2019 , 99,	2.6	3
342	Short- and long-term gain dynamics in N ₂ ⁺ air lasing. <i>Physical Review A</i> , 2019 , 100,	2.6	8
341	Roadmap on photonic, electronic and atomic collision physics: I. Light-matter interaction. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019 , 52, 171001	1.3	28
340	Threshold photodissociation dynamics of NO studied by time-resolved cold target recoil ion momentum spectroscopy. <i>Journal of Chemical Physics</i> , 2019 , 151, 174301	3.9	7
339	Streaking strong-field double ionization. <i>Physical Review A</i> , 2019 , 100,	2.6	3
338	Spin-constrained orbital-angular-momentum control in high-harmonic generation. <i>Physical Review Research</i> , 2019 , 1,	3.9	7
337	A Wannier Perspective On High Harmonic Generation In Solids 2019 ,		1
336	High-harmonic generation in solids driven by counter-propagating pulses. <i>Optics Express</i> , 2019 , 27, 32630-32637	3.3	3

335	Symmetry of molecular Rydberg states revealed by XUV transient absorption spectroscopy. <i>Nature Communications</i> , 2019 , 10, 5269	17.4	7
334	Near-field imaging for single-shot waveform measurements. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018 , 51, 065603	1.3	7
333	Light amplification by seeded Kerr instability. <i>Science</i> , 2018 , 359, 673-675	33.3	9
332	Perturbing laser field dependent high harmonic phase modulations. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018 , 51, 125601	1.3	1
331	Testing the Role of Recollision in N_2^+ Air Lasing. <i>Physical Review Letters</i> , 2018 , 120, 133208	7.4	39
330	Theory of Kerr instability amplification. <i>Optica</i> , 2018 , 5, 271	8.6	5
329	Strong-field optoelectronics in solids. <i>Nature Photonics</i> , 2018 , 12, 465-468	33.9	40
328	Mapping complex polarization states of light on a solid. <i>Optics Letters</i> , 2018 , 43, 5757-5760	3	3
327	High harmonic generation tomography of impurities in solids: Conceptual analysis. <i>Physical Review B</i> , 2018 , 98,	3.3	24
326	Perturbative High Harmonic Wave Front Control. <i>Physical Review Letters</i> , 2017 , 118, 033905	7.4	8
325	Controlling the orbital angular momentum of high harmonic vortices. <i>Nature Communications</i> , 2017 , 8, 14970	17.4	77
324	Plasmon-enhanced high-harmonic generation from silicon. <i>Nature Physics</i> , 2017 , 13, 659-662	16.2	130
323	Non-dipole recollision-gated double ionization and observable effects. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017 , 50, 225602	1.3	9
322	Integrating solids and gases for attosecond pulse generation. <i>Nature Photonics</i> , 2017 , 11, 594-599	33.9	18
321	Molecular Frame Reconstruction Using Time-Domain Photoionization Interferometry. <i>Physical Review Letters</i> , 2017 , 119, 083401	7.4	24
320	Polarization dependent nanostructuring of silicon with femtosecond vortex pulse. <i>APL Photonics</i> , 2017 , 2, 086104	5.2	29
319	Wavelength scaling of high harmonic generation for 267 nm, 400 nm and 800 nm driving laser pulses. <i>Journal of Physics Communications</i> , 2017 , 1, 015009	1.2	7
318	Ultrafast Dissociation of Metastable CO^{2+} in a Dimer. <i>Physical Review Letters</i> , 2017 , 118, 153001	7.4	11

317	Tailored semiconductors for high-harmonic optoelectronics. <i>Science</i> , 2017 , 357, 303-306	33.3	119
316	Reply to Comment on "Time delays in molecular photoionization" <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017 , 50, 078003	1.3	
315	Optical gain in rotationally excited nitrogen molecular ions. <i>Physical Review A</i> , 2017 , 96,	2.6	41
314	Nonperturbative harmonic generation in graphene from intense midinfrared pulsed light. <i>Physical Review B</i> , 2017 , 96,	3.3	34
313	Streak Camera for Strong-Field Ionization. <i>Physical Review Letters</i> , 2017 , 119, 183201	7.4	16
312	Photon-momentum transfer in photoionization: From few photons to many. <i>Physical Review A</i> , 2017 , 95,	2.6	19
311	Intense-Laser Solid State Physics: Unraveling the Difference between Semiconductors and Dielectrics. <i>Physical Review Letters</i> , 2017 , 118, 173601	7.4	26
310	Harmonic generation in solids with direct fiber laser pumping. <i>Optics Letters</i> , 2017 , 42, 1113-1116	3	23
309	2.5 TW, two-cycle IR laser pulses via frequency domain optical parametric amplification. <i>Optics Express</i> , 2017 , 25, 27706-27714	3.3	16
308	Dynamic wavefront rotation in the attosecond lighthouse. <i>Optica</i> , 2017 , 4, 48	8.6	8
307	Producing and controlling half-cycle near-infrared electric-field transients. <i>Optica</i> , 2017 , 4, 826	8.6	7
306	Probing Molecular Dynamics by Laser-Induced Backscattering Holography. <i>Physical Review Letters</i> , 2016 , 116, 133001	7.4	51
305	Nanometer resolution optical coherence tomography using broad bandwidth XUV and soft x-ray radiation. <i>Scientific Reports</i> , 2016 , 6, 20658	4.9	25
304	Full characterization of an attosecond pulse generated using an infrared driver. <i>Scientific Reports</i> , 2016 , 6, 26771	4.9	4
303	Time delay in molecular photoionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016 , 49, 095602	1.3	45
302	Attosecond pulses measured from the attosecond lighthouse. <i>Nature Photonics</i> , 2016 , 10, 171-175	33.9	42
301	Self-Focusing and Continuum Generation in Gases 2016 , 281-298		1
300	Femtosecond time-domain observation of atmospheric absorption in the near-infrared spectrum. <i>Physical Review A</i> , 2016 , 94,	2.6	5

299	Probing quantum systems from the inside while producing the world's shortest optical pulses. <i>Herald of the Russian Academy of Sciences</i> , 2016 , 86, 426-432	0.7	2
298	Interferometric time delay correction for Fourier transform spectroscopy in the extreme ultraviolet. <i>Journal of Modern Optics</i> , 2016 , 63, 1661-1667	1.1	2
297	Attosecond optics and technology: progress to date and future prospects [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016 , 33, 1081	1.7	81
296	Attosecond lighthouse driven by sub-two-cycle, 1.8-fs laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015 , 48, 061001	1.3	17
295	Linking high harmonics from gases and solids. <i>Nature</i> , 2015 , 522, 462-4	50.4	383
294	Theory of high-harmonic generation in solids. <i>Journal of Physics: Conference Series</i> , 2015 , 594, 012021	0.3	5
293	Controlling attosecond angular streaking with second harmonic radiation. <i>Optics Letters</i> , 2015 , 40, 1768-70		10
292	Interband Bloch oscillation mechanism for high-harmonic generation in semiconductor crystals. <i>Physical Review A</i> , 2015 , 92,	2.6	84
291	Photon-momentum transfer in multiphoton ionization and in time-resolved holography with photoelectrons. <i>Physical Review A</i> , 2015 , 92,	2.6	54
290	All-Optical Reconstruction of Crystal Band Structure. <i>Physical Review Letters</i> , 2015 , 115, 193603	7.4	242
289	Octave-spanning hyperspectral coherent diffractive imaging in the extreme ultraviolet range. <i>Optics Express</i> , 2015 , 23, 28960-9	3.3	14
288	Semiclassical analysis of high harmonic generation in bulk crystals. <i>Physical Review B</i> , 2015 , 91,	3.3	188
287	Damage formation on fused silica illuminated with ultraviolet-infrared femtosecond pulse pairs 2015 ,		2
286	Attosecond Spatial Control of Electron Wave Packet Emission Dynamics. <i>Springer Proceedings in Physics</i> , 2015 , 113-117	0.2	
285	Manipulating quantum paths for novel attosecond measurement methods. <i>Nature Photonics</i> , 2014 , 8, 187-194	33.9	46
284	Creating high-harmonic beams with controlled orbital angular momentum. <i>Physical Review Letters</i> , 2014 , 113, 153901	7.4	175
283	Strong field processes inside gallium arsenide. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 204025	1.3	6
282	Signatures of the continuum electron phase in molecular strong-field photoelectron holography. <i>Nature Physics</i> , 2014 , 10, 594-600	16.2	112

281	Theoretical analysis of high-harmonic generation in solids. <i>Physical Review Letters</i> , 2014 , 113, 073901	7.4	296
280	Fabricating nanostructures on fused silica using femtosecond infrared pulses combined with sub-nanojoule ultraviolet pulses. <i>Optics Letters</i> , 2014 , 39, 5638-40	3	10
279	Control of Femtosecond Laser Ablation of Thin Films from a Dielectric Surface by Nonlinear Interaction with the Substrate. <i>Physical Review Applied</i> , 2014 , 2,	4.3	5
278	Alignment dependent enhancement of the photoelectron cutoff for multiphoton ionization of molecules. <i>Physical Review Letters</i> , 2014 , 112, 253001	7.4	11
277	Subcycle control of electron-electron correlation in double ionization. <i>Physical Review Letters</i> , 2014 , 112, 193002	7.4	87
276	Applications of ultrafast wavefront rotation in highly nonlinear optics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 124004	1.3	44
275	Control of atomic single and double ionization dynamics using orthogonally polarized two-color laser pulses. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 032011	0.3	
274	Photon momentum sharing between an electron and an ion in photoionization: from one-photon (photoelectric effect) to multiphoton absorption. <i>Physical Review Letters</i> , 2014 , 113, 263005	7.4	60
273	Laser-sub-cycle two-dimensional electron-momentum mapping using orthogonal two-color fields. <i>Physical Review A</i> , 2014 , 90,	2.6	49
272	Control of multiphoton and avalanche ionization using an ultraviolet-infrared pulse train in femtosecond laser micro/nano-machining of fused silica 2014 ,		1
271	Photonic streaking of attosecond pulse trains. <i>Nature Photonics</i> , 2013 , 7, 651-656	33.9	98
270	Molecular alignment using circularly polarized laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013 , 46, 201001	1.3	12
269	Petahertz optical oscilloscope. <i>Nature Photonics</i> , 2013 , 7, 958-962	33.9	119
268	Trajectory-resolved Coulomb focusing in tunnel ionization of atoms with intense, elliptically polarized laser pulses. <i>Physical Review Letters</i> , 2013 , 111, 023005	7.4	43
267	Linked attosecond phase interferometry for molecular frame measurements. <i>Nature Physics</i> , 2013 , 9, 174-178	16.2	40
266	Manipulation of quantum paths for spacetime characterization of attosecond pulses. <i>Nature Physics</i> , 2013 , 9, 159-163	16.2	72
265	Carrier envelope phase effects in strong field ionization of xenon with few-cycle 1.8 fs laser pulses. <i>EPJ Web of Conferences</i> , 2013 , 41, 02011	0.3	
264	Femtosecond Laser Desorption of Thin Polymer Films from a Dielectric Surface. <i>MATEC Web of Conferences</i> , 2013 , 8, 02004	0.3	

263	Control of energy deposition in femtosecond laser dielectric interactions. <i>Applied Physics Letters</i> , 2013 , 102, 161105	3-4	16
262	Femtosecond laser desorption of ultrathin polymer films from a dielectric surface. <i>Applied Physics Letters</i> , 2013 , 103, 061107	3-4	5
261	Femtosecond laser nanomachining initiated by ultraviolet multiphoton ionization. <i>Optics Express</i> , 2013 , 21, 24185-90	3-3	16
260	Near-infrared femtosecond laser machining initiated by ultraviolet multiphoton ionization. <i>Applied Physics Letters</i> , 2013 , 102, 101111	3-4	21
259	Attosecond Science. <i>Springer Series in Optical Sciences</i> , 2013 , 3-7	0-5	3
258	Studying the Electronic Structure of Molecules with High Harmonic Spectroscopy. <i>Springer Series in Optical Sciences</i> , 2013 , 159-190	0-5	1
257	High-pressure gas phase femtosecond laser ionization mass spectrometry. <i>Analytical Chemistry</i> , 2012 , 84, 5633-40	7-8	15
256	Intensity dependence of multiple orbital contributions and shape resonance in high-order harmonic generation of aligned N ₂ molecules. <i>Physical Review A</i> , 2012 , 85,	2-6	54
255	Oriented rotational wave-packet dynamics studies via high harmonic generation. <i>Physical Review Letters</i> , 2012 , 109, 113901	7-4	104
254	Frequency-resolved optical gating for time-resolving knockout in double ionization with attosecond pulses. <i>Physical Review A</i> , 2012 , 86,	2-6	2
253	High harmonic generation with long-wavelength few-cycle laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012 , 45, 074008	1-3	45
252	Mechanisms of two-color laser-induced field-free molecular orientation. <i>Physical Review Letters</i> , 2012 , 109, 113001	7-4	62
251	Probing polar molecules with high harmonic spectroscopy. <i>Physical Review Letters</i> , 2012 , 109, 233904	7-4	48
250	Coulomb asymmetry and sub-cycle electron dynamics in multiphoton multiple ionization of H ₂ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012 , 45, 194011	1-3	31
249	Generation of broad XUV continuous high harmonic spectra and isolated attosecond pulses with intense mid-infrared lasers. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012 , 45, 011001	1-3	18
248	Observation of Cooper minimum in krypton using high harmonic spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012 , 45, 074010	1-3	29
247	High-harmonic transient grating spectroscopy of NO ₂ electronic relaxation. <i>Journal of Chemical Physics</i> , 2012 , 137, 224303	3-9	20
246	Order-dependent structure of high harmonic wavefronts. <i>Optics Express</i> , 2012 , 20, 13870-7	3-3	24

245	Time-resolved high-harmonic spectroscopy of nonadiabatic dynamics in NO ₂ . <i>Physical Review A</i> , 2012 , 85,	2.6	31
244	Revealing the Cooper minimum of N ₂ by molecular frame high-harmonic spectroscopy. <i>Physical Review Letters</i> , 2012 , 109, 143001	7.4	51
243	Publisher's Note: Probing Polar Molecules with High Harmonic Spectroscopy [Phys. Rev. Lett. 109, 233904 (2012)]. <i>Physical Review Letters</i> , 2012 , 109,	7.4	5
242	Spatial control of electronic wave packets with attosecond precision. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 032069	0.3	
241	Conical intersection dynamics in NO ₂ probed by homodyne high-harmonic spectroscopy. <i>Science</i> , 2011 , 334, 208-12	33.3	193
240	Ultrahigh-order wave mixing in noncollinear high harmonic generation. <i>Physical Review Letters</i> , 2011 , 106, 023001	7.4	77
239	CEP stable 1.6 cycle laser pulses at 1.8 fs. <i>Optics Express</i> , 2011 , 19, 6858-64	3.3	68
238	Precise in-situ measurement of laser pulse intensity using strong field ionization. <i>Optics Express</i> , 2011 , 19, 9336-44	3.3	58
237	Probing angular correlations in sequential double ionization. <i>Physical Review Letters</i> , 2011 , 107, 113003	7.4	89
236	Recollision physics. <i>Physics Today</i> , 2011 , 64, 36-41	0.9	161
235	Probing collective multi-electron dynamics in xenon with high-harmonic spectroscopy. <i>Nature Physics</i> , 2011 , 7, 464-467	16.2	257
234	Partitioning of the linear photon momentum in multiphoton ionization. <i>Physical Review Letters</i> , 2011 , 106, 193002	7.4	107
233	Separation of target structure and medium propagation effects in high-harmonic generation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011 , 44, 095601	1.3	30
232	Crystal structure measured by nonlinear absorption using 3.1 fs femtosecond laser pulses 2011 ,		1
231	Probing the spatial structure of a molecular attosecond electron wave packet using shaped recollision trajectories. <i>Physical Review Letters</i> , 2011 , 107, 093004	7.4	53
230	Imaging and controlling multielectron dynamics by laser-induced tunnel ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011 , 44, 041001	1.3	33
229	Attosecond Spectroscopy 2011 ,		1
228	Following a chemical reaction using high-harmonic interferometry. <i>Nature</i> , 2010 , 466, 604-7	50.4	336

227	Direct test of laser tunneling with electron momentum imaging. <i>Physical Review Letters</i> , 2010 , 105, 133002	7.4	114
226	Controlling the interference of multiple molecular orbitals in high-harmonic generation. <i>Physical Review Letters</i> , 2010 , 104, 233904	7.4	103
225	High-harmonic homodyne detection of the ultrafast dissociation of Br ₂ molecules. <i>Physical Review Letters</i> , 2010 , 105, 103002	7.4	28
224	Compression of 1.8 fs laser pulses to sub two optical cycles with bulk material. <i>Applied Physics Letters</i> , 2010 , 96, 121109	3.4	103
223	The two-electron attosecond streak camera for time-resolving intra-atomic collisions. <i>New Journal of Physics</i> , 2010 , 12, 103024	2.9	8
222	Phase sensitivity of high harmonic transient grating spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010 , 43, 065401	1.3	16
221	Probing the symmetry of atomic wavefunctions from the point of view of strong field-driven electrons. <i>New Journal of Physics</i> , 2010 , 12, 073032	2.9	17
220	Mapping molecular orbital symmetry on high-order harmonic generation spectrum using two-color laser fields. <i>Physical Review Letters</i> , 2010 , 105, 053003	7.4	61
219	Gating attosecond pulse train generation using multicolor laser fields. <i>Physical Review A</i> , 2010 , 81,	2.6	51
218	High refractive index modification of SiO ₂ created by femtosecond laser nanostructuring. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010 , 43, 125401	1.3	2
217	Exciton-seeded multiphoton ionization in bulk SiO ₂ . <i>Physical Review B</i> , 2010 , 81,	3.3	74
216	Demonstration of attosecond ionization dynamics inside transparent solids. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010 , 43, 131002	1.3	42
215	Subcycle spatial mapping of recollision dynamics. <i>Physical Review A</i> , 2009 , 80,	2.6	9
214	Observation of electronic structure minima in high-harmonic generation. <i>Physical Review Letters</i> , 2009 , 102, 103901	7.4	177
213	Angular tunneling ionization probability of fixed-in-space H ₂ molecules in intense laser pulses. <i>Physical Review Letters</i> , 2009 , 102, 033004	7.4	109
212	Attosecond circular dichroism spectroscopy of polyatomic molecules. <i>Physical Review Letters</i> , 2009 , 102, 063601	7.4	92
211	Momentum space tomographic imaging of photoelectrons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 185402	1.3	49
210	Unified treatment of attosecond photoionization and Compton scattering. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 205601	1.3	3

209	Attosecond photoionization of a coherent superposition of bound and dissociative molecular states: effect of nuclear motion. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 134001	1.3	66
208	High harmonic interferometry of multi-electron dynamics in molecules. <i>Nature</i> , 2009 , 460, 972-7	50.4	812
207	Atomic wavefunctions probed through strong-field light-matter interaction. <i>Nature Physics</i> , 2009 , 5, 412-416	16.2	149
206	An STM for molecules and wide-bandgap crystal. <i>Laser Physics</i> , 2009 , 19, 1697-1704	1.2	5
205	Frequency-resolved high-harmonic wavefront characterization. <i>Optics Letters</i> , 2009 , 34, 3026-8	3	29
204	Field dependent avalanche ionization rates in dielectrics. <i>Physical Review Letters</i> , 2009 , 102, 083001	7.4	46
203	Laser tunnel ionization from multiple orbitals in HCl. <i>Science</i> , 2009 , 325, 1364-7	33.3	248
202	Wavelength scaling of high harmonic generation efficiency. <i>Physical Review Letters</i> , 2009 , 103, 073902	7.4	233
201	Ultrafast Multiphoton Crystallography. <i>Springer Series in Chemical Physics</i> , 2009 , 69-71	0.3	
200	High-order harmonic transient grating spectroscopy in a molecular jet. <i>Physical Review Letters</i> , 2008 , 100, 143903	7.4	47
199	The Attosecond Revolution. <i>Optics and Photonics News</i> , 2008 , 19, 24	1.9	16
198	Orientation-dependent multiphoton ionization in wide band gap crystals. <i>Physical Review Letters</i> , 2008 , 101, 243001	7.4	45
197	Electron wavepacket control with elliptically polarized laser light in high harmonic generation from aligned molecules. <i>New Journal of Physics</i> , 2008 , 10, 025015	2.9	29
196	High harmonic generation with a spatially filtered optical parametric amplifier. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008 , 41, 245602	1.3	10
195	Coincidence imaging of polyatomic molecules via laser-induced Coulomb explosion. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008 , 41, 215104	1.3	30
194	Self-controlled formation of microlenses by optical breakdown inside wide-band-gap materials. <i>Applied Physics Letters</i> , 2008 , 93, 243118	3.4	19
193	Laser-induced electron tunneling and diffraction. <i>Science</i> , 2008 , 320, 1478-82	33.3	584
192	Transient nanoplasmonics inside dielectrics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007 , 40, S273-S282	1.3	49

191	High harmonic generation and the role of atomic orbital wave functions. <i>Physical Review Letters</i> , 2007 , 98, 183903	7.4	95
190	Attosecond science. <i>Nature Physics</i> , 2007 , 3, 381-387	16.2	1463
189	Femtosecond laser-induced long-range self-organized periodic planar nanocracks for applications in biophotonics 2007 ,		2
188	Attosecond photoelectron interference in the separable Coulomb-Volkov continuum. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007 , 40, F93-F103	1.3	38
187	High-order harmonic generation experiments with IR laser pulses 2007 , 6703, 97		
186	Polarization state of high-order harmonic emission from aligned molecules. <i>Physical Review Letters</i> , 2007 , 99, 243001	7.4	113
185	Binary and recoil collisions in strong field double ionization of helium. <i>Physical Review Letters</i> , 2007 , 99, 263002	7.4	222
184	Attosecond strobing of two-surface population dynamics in dissociating H ₂ ⁺ . <i>Physical Review Letters</i> , 2007 , 98, 073003	7.4	113
183	Dynamic nuclear interference structures in the Coulomb explosion spectra of a hydrogen molecule in intense laser fields: Reexamination of molecular enhanced ionization. <i>Physical Review A</i> , 2007 , 76,	2.6	55
182	Transient phase masks in high-harmonic generation. <i>Optics Letters</i> , 2007 , 32, 436-8	3	4
181	Femtosecond laser writing of porous capillaries inside fused silica glass. <i>Optics Letters</i> , 2007 , 32, 1459-61		20
180	Femtosecond laser erasing and rewriting of self-organized planar nanocracks in fused silica glass. <i>Optics Letters</i> , 2007 , 32, 2888-90	3	54
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