

Paul B Corkum

List of Publications by Year in descending order

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435
papers

44,411
citations

2427

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447
all docs

447
docs citations

447
times ranked

9235
citing authors

#	ARTICLE	IF	CITATIONS
1	Active stabilization of terahertz waveforms radiated from a two-color air plasma. <i>Photonics Research</i> , 2022, 10, 96.	7.0	7
2	Reconfigurable terahertz metasurfaces coherently controlled by wavelength-scale-structured light. <i>Nanophotonics</i> , 2022, 11, 787-795.	6.0	9
3	Attosecond measurement via high-order harmonic generation in low-frequency fields. <i>Physical Review A</i> , 2022, 105, .	2.5	8
4	Energy deposition and incubation effects of nonlinear absorption of ultrashort laser pulses in dielectrics. <i>Optics Express</i> , 2022, 30, 10317.	3.4	5
5	Coherent control of ultrafast extreme ultraviolet transient absorption. <i>Nature Photonics</i> , 2022, 16, 45-51.	31.4	30
6	Perspective on phase-controlled currents in semiconductors driven by structured light. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	3
7	Spatiotemporal sampling of near-petahertz vortex fields. <i>Optica</i> , 2022, 9, 755.	9.3	9
8	Few-cycle Yb laser source at 20 kHz using multidimensional solitary states in hollow-core fibers. <i>Optics Letters</i> , 2022, 47, 3612.	3.3	9
9	Disentangling interferences in the photoelectron momentum distribution from strong-field ionization. <i>Physical Review A</i> , 2022, 106, .	2.5	1
10	Chiral solid-state high-harmonic generation and spectroscopy with polarization-tailored strong fields. , 2021, , .		0
11	Reconfigurable semiconductor currents driven by ultrafast coherent control with structured light. , 2021, , .		0
12	In Situ Measurement of the Cooper Minimum in Argon. , 2021, , .		0
13	High-harmonic Generation in Metallic Titanium Nitride. , 2021, , .		0
14	Single-shot dispersion sampling for optical pulse reconstruction. <i>Optics Express</i> , 2021, 29, 11845.	3.4	2
15	Surface adhesion of back-illuminated ultrafast laser-treated polymers. <i>Physical Review Materials</i> , 2021, 5, .	2.4	1
16	Chiral high-harmonic generation and spectroscopy on solid surfaces using polarization-tailored strong fields. <i>Nature Communications</i> , 2021, 12, 3723.	12.8	23
17	Reconfigurable electronic circuits for magnetic fields controlled by structured light. <i>Nature Photonics</i> , 2021, 15, 622-626.	31.4	29
18	Generation of structured coherent extreme ultraviolet beams from an MgO crystal. <i>Optics Express</i> , 2021, 29, 24161.	3.4	10

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19	High-harmonic generation in metallic titanium nitride. Nature Communications, 2021, 12, 4981.	12.8	22
20	Single Image Measurement of an Isolated Attosecond Pulse. , 2021, , .		1
21	Near-field imaging of dipole emission modulated by an optical grating. Optica, 2021, 8, 1632.	9.3	5
22	Novel Method of Attosecond Pulse Measurement by using Carrier-Envelope-Phase Dependence. , 2021, , .		0
23	Signatures of Light-Induced Potential Energy Surfaces in H ₂ ⁺ . Journal of Physics: Conference Series, 2020, 1412, 092017.	0.4	0
24	Spatially controlled nano-structuring of silicon with femtosecond vortex pulses. Scientific Reports, 2020, 10, 12643.	3.3	19
25	Clocking Enhanced Ionization of Hydrogen Molecules with Rotational Wave Packets. Physical Review Letters, 2020, 125, 173201.	7.8	16
26	Vectorized optoelectronic control. , 2020, , .		1
27	Vectorized optoelectronic control and metrology in a semiconductor. Nature Photonics, 2020, 14, 680-685.	31.4	67
28	Laser-driven solenoidal currents for ultrafast magnetic field excitation. , 2020, , .		0
29	Control of N^{2+} air lasing. Physical Review A, 2020, 102, .	2.5	7
30	Beam optimization in a 25 TW femtosecond laser system for high harmonic generation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 145602.	1.5	3
31	Tesla-Scale Terahertz Magnetic Impulses. Physical Review X, 2020, 10, .	8.9	21
32	Delay measurement of attosecond emission in solids. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 124001.	1.5	5
33	Simultaneous measurements of strong-field ionization and high harmonic generation in aligned molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 084006.	1.5	7
34	High harmonics diffraction caused by an ellipticity grating. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 094002.	1.5	2
35	Probing multiphoton light-induced molecular potentials. Nature Communications, 2020, 11, 2596.	12.8	26
36	Coulomb blocking of sequential tunnel ionization in complex systems. JPhys Photonics, 2020, 2, 034007.	4.6	2

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37	Multiphoton laser-induced confined chemical changes in polymer films. Optics Express, 2020, 28, 11267.	3.4	5
38	Femtosecond streaking in ambient air. Optica, 2020, 7, 1372.	9.3	25
39	Wannier quasi-classical approach to high harmonic generation in semiconductors. Optica, 2020, 7, 1764.	9.3	24
40	Coherent Control with Vector Beams for Ultrafast Magnetic Pulses. , 2020, , .		0
41	Controlling N+ Lasing. , 2020, , .		0
42	Hydrophobicity of Back-Illuminated Polymer Film Surfaces. , 2020, , .		0
43	A Novel Method for Characterizing Isolated Attosecond Pulses. , 2020, , .		0
44	Nanoscale polymer blister formation using single femtosecond pulses. , 2020, , .		0
45	Short- and long-term gain dynamics in N_2 air lasing. Physical Review A, 2019, 100, .	2.5	12
46	Roadmap on photonic, electronic and atomic collision physics: I. Light-matter interaction. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 171001.	1.5	52
47	Threshold photodissociation dynamics of NO ₂ studied by time-resolved cold target recoil ion momentum spectroscopy. Journal of Chemical Physics, 2019, 151, 174301.	3.0	16
48	Streaking strong-field double ionization. Physical Review A, 2019, 100, .	2.5	3
49	Generating few-cycle radially polarized pulses. Optica, 2019, 6, 160.	9.3	35
50	Vectorizing the spatial structure of high-harmonic radiation from gas. Nature Communications, 2019, 10, 2020.	12.8	16
51	Spatiotemporal imaging of valence electron motion. Nature Communications, 2019, 10, 1042.	12.8	27
52	Non-Born-Oppenheimer electronic wave packet in molecular nitrogen at 14 eV probed by time-resolved photoelectron spectroscopy. Physical Review A, 2019, 99, .	2.5	5
53	Femtosecond-Laser-Induced Blister Formation on Polymer Thin Films. , 2019, , .		0
54	Symmetry of molecular Rydberg states revealed by XUV transient absorption spectroscopy. Nature Communications, 2019, 10, 5269.	12.8	17

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55	Spin-constrained orbital-angular-momentum control in high-harmonic generation. Physical Review Research, 2019, 1, .	3.6	10
56	A Wannier Perspective On High Harmonic Generation In Solids. , 2019, , .		1
57	High-harmonic generation in solids driven by counter-propagating pulses. Optics Express, 2019, 27, 32630.	3.4	7
58	High-efficiency radially-polarized pulses compression. , 2019, , .		0
59	Near-field imaging for single-shot waveform measurements. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 065603.	1.5	9
60	Light amplification by seeded Kerr instability. Science, 2018, 359, 673-675.	12.6	15
61	Perturbing laser field dependent high harmonic phase modulations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 125601.	1.5	1
62	Testing the Role of Recollision in N^2 Air Lasing. Physical Review Letters, 2018, 120, 133208.	7.8	58
63	High harmonic generation tomography of impurities in solids: Conceptual analysis. Physical Review B, 2018, 98, .	3.2	32
64	Theory of Kerr instability amplification. Optica, 2018, 5, 271.	9.3	6
65	Strong-field optoelectronics in solids. Nature Photonics, 2018, 12, 465-468.	31.4	80
66	Mapping complex polarization states of light on a solid. Optics Letters, 2018, 43, 5757.	3.3	3
67	Perturbative High Harmonic Wave Front Control. Physical Review Letters, 2017, 118, 033905.	7.8	9
68	Controlling the orbital angular momentum of high harmonic vortices. Nature Communications, 2017, 8, 14970.	12.8	124
69	Plasmon-enhanced high-harmonic generation from silicon. Nature Physics, 2017, 13, 659-662.	16.7	194
70	Non-dipole recollision-gated double ionization and observable effects. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 225602.	1.5	13
71	Integrating solids and gases for attosecond pulse generation. Nature Photonics, 2017, 11, 594-599.	31.4	24
72	Molecular Frame Reconstruction Using Time-Domain Photoionization Interferometry. Physical Review Letters, 2017, 119, 083401.	7.8	34

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73	Polarization dependent nanostructuring of silicon with femtosecond vortex pulse. APL Photonics, 2017, 2, .	5.7	37
74	Wavelength scaling of high harmonic generation for 267 nm, 400 nm and 800 nm driving laser pulses. Journal of Physics Communications, 2017, 1, 015009.	1.2	10
75	Ultrafast Dissociation of Metastable CO^2+ in a Dimer. Physical Review Letters, 2017, 118, 153001.	7.8	24
76	Tailored semiconductors for high-harmonic optoelectronics. Science, 2017, 357, 303-306.	12.6	173
77	Reply to Comment on "Time delays in molecular photoionization". Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 078003.	1.5	0
78	Optical gain in rotationally excited nitrogen molecular ions. Physical Review A, 2017, 96, .	2.5	61
79	Nonperturbative harmonic generation in graphene from intense midinfrared pulsed light. Physical Review B, 2017, 96, .	3.2	47
80	Streak Camera for Strong-Field Ionization. Physical Review Letters, 2017, 119, 183201.	7.8	21
81	Photon-momentum transfer in photoionization: From few photons to many. Physical Review A, 2017, 95, .	2.5	27
82	Intense-Laser Solid State Physics: Unraveling the Difference between Semiconductors and Dielectrics. Physical Review Letters, 2017, 118, 173601.	7.8	36
83	Multi-dimensional control and optimization of ultrafast laser material processing. , 2017, , .		0
84	Harmonic generation in solids with direct fiber laser pumping. Optics Letters, 2017, 42, 1113.	3.3	30
85	25 TW, two-cycle IR laser pulses via frequency domain optical parametric amplification. Optics Express, 2017, 25, 27706.	3.4	21
86	Dynamic wavefront rotation in the attosecond lighthouse. Optica, 2017, 4, 48.	9.3	9
87	Producing and controlling half-cycle near-infrared electric-field transients. Optica, 2017, 4, 826.	9.3	12
88	The response of transparent materials to intense ultrashort light pulses. , 2017, , .		0
89	Harmonic Generation in Solids from a Fiber Laser. , 2017, , .		0
90	Holographic generation of high-harmonic vortex beams. , 2017, , .		0

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91	Tailoring Semiconductors for High Harmonic Generation. , 2017, , .		0
92	Frequency domain Nonlinear Optics. , 2017, , .		0
93	Femtosecond time-domain observation of atmospheric absorption in the near-infrared spectrum. Physical Review A, 2016, 94, .	2.5	7
94	Probing quantum systems from the inside while producing the world's shortest optical pulses. Herald of the Russian Academy of Sciences, 2016, 86, 426-432.	0.6	5
95	High harmonic generation in solids: Electronic motion and band structures revealed. , 2016, , .		0
96	Interferometric time delay correction for Fourier transform spectroscopy in the extreme ultraviolet. Journal of Modern Optics, 2016, 63, 1661-1667.	1.3	4
97	Attosecond optics and technology: progress to date and future prospects [Invited]. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1081.	2.1	101
98	Probing Molecular Dynamics by Laser-Induced Backscattering Holography. Physical Review Letters, 2016, 116, 133001.	7.8	75
99	Nanometer resolution optical coherence tomography using broad bandwidth XUV and soft x-ray radiation. Scientific Reports, 2016, 6, 20658.	3.3	34
100	Full characterization of an attosecond pulse generated using an infrared driver. Scientific Reports, 2016, 6, 26771.	3.3	5
101	Time delay in molecular photoionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 095602.	1.5	68
102	Attosecond pulses measured from the attosecond lighthouse. Nature Photonics, 2016, 10, 171-175.	31.4	56
103	Localized High Harmonic Generation in Semiconductor Nanostructures. , 2016, , .		0
104	Crystal Band Structure Revealed by High Harmonic Spectroscopy. , 2016, , .		0
105	Plasmonic-Enhanced High Harmonic Generation from Bulk Silicon. , 2016, , .		1
106	Linking high harmonics from gases and bulk solids. , 2016, , .		0
107	Harmonic Generation in Graphene and Carbon Nanotubes. , 2016, , .		0
108	Interband Bloch oscillation mechanism for high-harmonic generation in semiconductor crystals. Physical Review A, 2015, 92, .	2.5	99

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109	Photon-momentum transfer in multiphoton ionization and in time-resolved holography with photoelectrons. <i>Physical Review A</i> , 2015, 92, .	2.5	72
110	All-Optical Reconstruction of Crystal Band Structure. <i>Physical Review Letters</i> , 2015, 115, 193603.	7.8	387
111	Octave-spanning hyperspectral coherent diffractive imaging in the extreme ultraviolet range. <i>Optics Express</i> , 2015, 23, 28960.	3.4	16
112	Semiclassical analysis of high harmonic generation in bulk crystals. <i>Physical Review B</i> , 2015, 91, .	3.2	286
113	Damage formation on fused silica illuminated with ultraviolet-infrared femtosecond pulse pairs. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
114	Imaging mass spectrometry at ambient pressure using femtosecond laser pulses. , 2015, , .		0
115	Attosecond lighthouse driven by sub-two-cycle, 1.8μm laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 061001.	1.5	22
116	Linking high harmonics from gases and solids. <i>Nature</i> , 2015, 522, 462-464.	27.8	567
117	Theory of high-harmonic generation in solids. <i>Journal of Physics: Conference Series</i> , 2015, 594, 012021.	0.4	11
118	Controlling attosecond angular streaking with second harmonic radiation. <i>Optics Letters</i> , 2015, 40, 1768.	3.3	11
119	Attosecond Spatial Control of Electron Wave Packet Emission Dynamics. <i>Springer Proceedings in Physics</i> , 2015, , 113-117.	0.2	0
120	Creating high-harmonic beams with controlled orbital angular momentum. , 2014, , .		1
121	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.	7.8	89
122	Laser-sub-cycle two-dimensional electron-momentum mapping using orthogonal two-color fields. <i>Physical Review A</i> , 2014, 90, .	2.5	55
123	Control of multiphoton and avalanche ionization using an ultraviolet-infrared pulse train in femtosecond laser micro/nano-machining of fused silica. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
124	Manipulating quantum paths for novel attosecond measurement methods. <i>Nature Photonics</i> , 2014, 8, 187-194.	31.4	54
125	Creating High-Harmonic Beams with Controlled Orbital Angular Momentum. <i>Physical Review Letters</i> , 2014, 113, 153901.	7.8	244
126	Strong field processes inside gallium arsenide. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 204025.	1.5	12

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127	Signatures of the continuum electron phase in molecular strong-field photoelectron holography. <i>Nature Physics</i> , 2014, 10, 594-600.	16.7	150
128	Theoretical Analysis of High-Harmonic Generation in Solids. <i>Physical Review Letters</i> , 2014, 113, 073901.	7.8	490
129	Fabricating nanostructures on fused silica using femtosecond infrared pulses combined with sub-nanojoule ultraviolet pulses. <i>Optics Letters</i> , 2014, 39, 5638.	3.3	17
130	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, .	3.8	7
131	Alignment Dependent Enhancement of the Photoelectron Cutoff for Multiphoton Ionization of Molecules. <i>Physical Review Letters</i> , 2014, 112, 253001.	7.8	12
132	Subcycle Control of Electron-Electron Correlation in Double Ionization. <i>Physical Review Letters</i> , 2014, 112, 193002.	7.8	97
133	Applications of ultrafast wavefront rotation in highly nonlinear optics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 124004.	1.5	53
134	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.	0.4	0
135	Photonic streaking of attosecond pulse trains. <i>Nature Photonics</i> , 2013, 7, 651-656.	31.4	126
136	Molecular alignment using circularly polarized laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 201001.	1.5	13
137	Petahertz optical oscilloscope. <i>Nature Photonics</i> , 2013, 7, 958-962.	31.4	163
138	Trajectory-Resolved Coulomb Focusing in Tunnel Ionization of Atoms with Intense, Elliptically Polarized Laser Pulses. <i>Physical Review Letters</i> , 2013, 111, 023005.	7.8	58
139	Linked attosecond phase interferometry for molecular frame measurements. <i>Nature Physics</i> , 2013, 9, 174-178.	16.7	49
140	Manipulation of quantum paths for space-time characterization of attosecond pulses. <i>Nature Physics</i> , 2013, 9, 159-163.	16.7	94
141	Control of energy deposition in femtosecond laser dielectric interactions. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	21
142	Femtosecond laser desorption of ultrathin polymer films from a dielectric surface. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	5
143	Femtosecond laser nanomachining initiated by ultraviolet multiphoton ionization. <i>Optics Express</i> , 2013, 21, 24185.	3.4	23
144	Attosecond science and technology. , 2013, , .		0

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145	Near-infrared femtosecond laser machining initiated by ultraviolet multiphoton ionization. Applied Physics Letters, 2013, 102, .	3.3	30
146	Attosecond spatial control of ionizing electron wave packets. , 2013, , .		0
147	Carrier envelope phase effects in strong field ionization of xenon with few-cycle 1.8 μm laser pulses. EPJ Web of Conferences, 2013, 41, 02011.	0.3	0
148	Femtosecond Laser Desorption of Thin Polymer Films from a Dielectric Surface. MATEC Web of Conferences, 2013, 8, 02004.	0.2	0
149	Studying the Electronic Structure of Molecules with High Harmonic Spectroscopy. Springer Series in Optical Sciences, 2013, , 159-190.	0.7	1
150	Theoretical analysis of high order harmonic generation from bulk crystals. , 2013, , .		0
151	Femtosecond Laser Desorption of Thin Polymer Films from a Dielectric Surface. , 2013, , .		0
152	Generation of broad XUV continuous high harmonic spectra and isolated attosecond pulses with intense mid-infrared lasers. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 011001.	1.5	22
153	Observation of Cooper minimum in krypton using high harmonic spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 074010.	1.5	32
154	High-harmonic transient grating spectroscopy of NO ₂ electronic relaxation. Journal of Chemical Physics, 2012, 137, 224303.	3.0	23
155	Order-dependent structure of high harmonic wavefronts. Optics Express, 2012, 20, 13870.	3.4	36
156	Time-resolved high-harmonic spectroscopy of nonadiabatic dynamics in NO ₂ . Physical Review A, 2012, 85, .	2.5	36
157	Revealing the Cooper minimum of N ₂ by Molecular Frame High-Harmonic Spectroscopy. Physical Review Letters, 2012, 109, 143001.	7.8	63
158	Publisher's Note: Probing Polar Molecules with High Harmonic Spectroscopy [Phys. Rev. Lett. 109, 233904 (2012)]. Physical Review Letters, 2012, 109, .	7.8	5
159	Spatial control of electronic wave packets with attosecond precision. Journal of Physics: Conference Series, 2012, 388, 032069.	0.4	0
160	High-Pressure Gas Phase Femtosecond Laser Ionization Mass Spectrometry. Analytical Chemistry, 2012, 84, 5633-5640.	6.5	16
161	Intensity dependence of multiple orbital contributions and shape resonance in high-order harmonic generation of aligned N ₂ molecules. Physical Review A, 2012, 85, .	2.5	62
162	Oriented Rotational Wave-Packet Dynamics Studies via High Harmonic Generation. Physical Review Letters, 2012, 109, 113901.	7.8	119

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163	Frequency-resolved optical gating for time-resolving knockout in double ionization with attosecond pulses. <i>Physical Review A</i> , 2012, 86, .	2.5	2
164	High harmonic generation with long-wavelength few-cycle laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 074008.	1.5	55
165	Mechanisms of Two-Color Laser-Induced Field-Free Molecular Orientation. <i>Physical Review Letters</i> , 2012, 109, 113001.	7.8	71
166	Probing Polar Molecules with High Harmonic Spectroscopy. <i>Physical Review Letters</i> , 2012, 109, 233904.	7.8	67
167	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.	1.5	35
168	Interferometric Carrier Envelope Phase Control of Few-Cycle IR Pulses. , 2012, , .		0
169	Partitioning of the Linear Photon Momentum in Multiphoton Ionization. <i>Physical Review Letters</i> , 2011, 106, 193002.	7.8	150
170	Conical Intersection Dynamics in NO_{2} Probed by Homodyne High-Harmonic Spectroscopy. <i>Science</i> , 2011, 334, 208-212.	12.6	222
171	Ultrahigh-Order Wave Mixing in Noncollinear High Harmonic Generation. <i>Physical Review Letters</i> , 2011, 106, 023001.	7.8	104
172	CEP stable 16 cycle laser pulses at 18 μ m. <i>Optics Express</i> , 2011, 19, 6858.	3.4	95
173	Precise in-situ measurement of laser pulse intensity using strong field ionization. <i>Optics Express</i> , 2011, 19, 9336.	3.4	68
174	Probing Angular Correlations in Sequential Double Ionization. <i>Physical Review Letters</i> , 2011, 107, 113003.	7.8	101
175	Recollision physics. <i>Physics Today</i> , 2011, 64, 36-41.	0.3	183
176	Probing collective multi-electron dynamics in xenon with high-harmonic spectroscopy. <i>Nature Physics</i> , 2011, 7, 464-467.	16.7	303
177	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.	1.5	33
178	Crystal structure measured by nonlinear absorption using 3.1 μ m femtosecond laser pulses. , 2011, , .		1
179	Probing the Spatial Structure of a Molecular Attosecond Electron Wave Packet Using Shaped Recollision Trajectories. <i>Physical Review Letters</i> , 2011, 107, 093004.	7.8	60
180	Following a chemical reaction using high harmonic spectroscopy. , 2011, , .		1

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181	Imaging and controlling multielectron dynamics by laser-induced tunnel ionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 041001.	1.5	36
182	Versatile approach for frequency resolved wavefront characterization. Proceedings of SPIE, 2011, , .	0.8	0
183	Greetings from the new Editor-in-Chief. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 010202.	1.5	0
184	Millijoule-level CEP stable 1.8 µm 1.6 cycle laser pulses. , 2011, , .		0
185	Revealing the giant resonance in Xe via HHG with sub-two cycle 1.8 µm laser pulses. , 2011, , .		0
186	Sub-millijoule CEP stable 1.6 cycle laser pulses at 1.8 $\hat{1}/4$ m. , 2011, , .		0
187	Demonstration of attosecond ionization dynamics inside transparent solids. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 131002.	1.5	52
188	Following a chemical reaction using high-harmonic interferometry. Nature, 2010, 466, 604-607.	27.8	394
189	Direct Test of Laser Tunneling with Electron Momentum Imaging. Physical Review Letters, 2010, 105, 133002.	7.8	127
190	Controlling the Interference of Multiple Molecular Orbitals in High-Harmonic Generation. Physical Review Letters, 2010, 104, 233904.	7.8	127
191	High-Harmonic Homodyne Detection of the Ultrafast Dissociation of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Br} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \text{Molecules.}$ Physical Review Letters, 2010, 105, 103002.	7.8	31
192	Compression of 1.8 $\hat{1}/4$ m laser pulses to sub two optical cycles with bulk material. Applied Physics Letters, 2010, 96, .	3.3	126
193	The two-electron attosecond streak camera for time-resolving intra-atomic collisions. New Journal of Physics, 2010, 12, 103024.	2.9	9
194	Phase sensitivity of high harmonic transient grating spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 065401.	1.5	17
195	Probing the symmetry of atomic wavefunctions from the point of view of strong field-driven electrons. New Journal of Physics, 2010, 12, 073032.	2.9	20
196	Mapping Molecular Orbital Symmetry on High-Order Harmonic Generation Spectrum Using Two-Color Laser Fields. Physical Review Letters, 2010, 105, 053003.	7.8	75
197	Gating attosecond pulse train generation using multicolor laser fields. Physical Review A, 2010, 81, .	2.5	55
198	High refractive index modification of SiO ₂ created by femtosecond laser nanostructuring. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 125401.	1.5	3

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199	Exciton-seeded multiphoton ionization in bulk SiO_2 . Physical Review B, 2010, 81, .	3.2	90
200	Time-Resolved High-Harmonic Spectroscopy of Photochemical Dynamics. , 2010, , .		0
201	Direct measurement of laser-induced electron tunneling. , 2010, , .		0
202	Sub two-cycle pulse compression at 1.8 μm with bulk material. , 2010, , .		0
203	Towards CEP stable, single-cycle pulse compression with bulk material. , 2010, , .		0
204	Spectral Wavefront Optical Reconstruction by Diffraction. , 2010, , .		0
205	Intense Field Science in Dielectrics. , 2010, , .		0
206	Towards CEP stable sub two cycle IR pulse compression with bulk material. , 2010, , .		0
207	Subcycle spatial mapping of recollision dynamics. Physical Review A, 2009, 80, .	2.5	9
208	Observation of Electronic Structure Minima in High-Harmonic Generation. Physical Review Letters, 2009, 102, 103901.	7.8	193
209	Angular Tunneling Ionization Probability of Fixed-in-Space H_2 Molecules in Intense Laser Pulses. Physical Review Letters, 2009, 102, 033004.	7.8	123
210	Attosecond Circular Dichroism Spectroscopy of Polyatomic Molecules. Physical Review Letters, 2009, 102, 063601.	7.8	104
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