

Paul B Corkum

List of Publications by Year in descending order

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435
papers

44,411
citations

2427

97
h-index

1980

206
g-index

447
all docs

447
docs citations

447
times ranked

9235
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma perspective on strong field multiphoton ionization. <i>Physical Review Letters</i> , 1993, 71, 1994-1997.	7.8	6,161
2	Theory of high-harmonic generation by low-frequency laser fields. <i>Physical Review A</i> , 1994, 49, 2117-2132.	2.5	3,431
3	Tomographic imaging of molecular orbitals. <i>Nature</i> , 2004, 432, 867-871.	27.8	2,028
4	Attosecond science. <i>Nature Physics</i> , 2007, 3, 381-387.	16.7	1,834
5	High harmonic interferometry of multi-electron dynamics in molecules. <i>Nature</i> , 2009, 460, 972-977.	27.8	960
6	Attosecond Streak Camera. <i>Physical Review Letters</i> , 2002, 88, 173903.	7.8	792
7	Above-threshold ionization in the long-wavelength limit. <i>Physical Review Letters</i> , 1989, 62, 1259-1262.	7.8	744
8	Role of Electron Localization in Intense-Field Molecular Ionization. <i>Physical Review Letters</i> , 1995, 75, 2819-2822.	7.8	735
9	Laser-Induced Electron Tunneling and Diffraction. <i>Science</i> , 2008, 320, 1478-1482.	12.6	692
10	X-ray Pulses Approaching the Attosecond Frontier. <i>Science</i> , 2001, 291, 1923-1927.	12.6	683
11	Sub-laser-cycle electron pulses for probing molecular dynamics. <i>Nature</i> , 2002, 417, 917-922.	27.8	597
12	Linking high harmonics from gases and solids. <i>Nature</i> , 2015, 522, 462-464.	27.8	567
13	Subfemtosecond pulses. <i>Optics Letters</i> , 1994, 19, 1870.	3.3	555
14	Theoretical Analysis of High-Harmonic Generation in Solids. <i>Physical Review Letters</i> , 2014, 113, 073901.	7.8	490
15	Optically Produced Arrays of Planar Nanostructures inside Fused Silica. <i>Physical Review Letters</i> , 2006, 96, 057404.	7.8	470
16	Alignment-Dependent Strong Field Ionization of Molecules. <i>Physical Review Letters</i> , 2003, 90, 233003.	7.8	445
17	Direct Measurement of the Angular Dependence of Ionization for N ₂ , O ₂ , and CO ₂ in Intense Laser Fields. <i>Physical Review Letters</i> , 2007, 98, 243001.	7.8	408
18	Efficient molecular dissociation by a chirped ultrashort infrared laser pulse. <i>Physical Review Letters</i> , 1990, 65, 2355-2358.	7.8	402

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19	Following a chemical reaction using high-harmonic interferometry. <i>Nature</i> , 2010, 466, 604-607.	27.8	394
20	All-Optical Reconstruction of Crystal Band Structure. <i>Physical Review Letters</i> , 2015, 115, 193603.	7.8	387
21	Probing molecular dynamics with attosecond resolution using correlated wave packet pairs. <i>Nature</i> , 2003, 421, 826-829.	27.8	376
22	Supercontinuum Generation in Gases. <i>Physical Review Letters</i> , 1986, 57, 2268-2271.	7.8	356
23	Phase-Controlled Currents in Semiconductors. <i>Physical Review Letters</i> , 1995, 74, 3596-3599.	7.8	338
24	Measuring and controlling the birth of attosecond XUV pulses. <i>Nature Physics</i> , 2006, 2, 781-786.	16.7	335
25	Thermal Response of Metals to Ultrashort-Pulse Laser Excitation. <i>Physical Review Letters</i> , 1988, 61, 2886-2889.	7.8	333
26	Coulomb focusing in intense field atomic processes. <i>Physical Review A</i> , 1996, 54, R2551-R2554.	2.5	322
27	Cold-plasma production for recombination extreme-ultraviolet lasers by optical-field-induced ionization. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1989, 6, 1195.	2.1	311
28	Wavelength Scaling of High Harmonic Generation Efficiency. <i>Physical Review Letters</i> , 2009, 103, 073902.	7.8	303
29	Probing collective multi-electron dynamics in xenon with high-harmonic spectroscopy. <i>Nature Physics</i> , 2011, 7, 464-467.	16.7	303
30	High-harmonic generation and correlated two-electron multiphoton ionization with elliptically polarized light. <i>Physical Review A</i> , 1994, 50, R3585-R3588.	2.5	296
31	Semiclassical analysis of high harmonic generation in bulk crystals. <i>Physical Review B</i> , 2015, 91, .	3.2	286
32	Laser Tunnel Ionization from Multiple Orbitals in HCl. <i>Science</i> , 2009, 325, 1364-1367.	12.6	283
33	Polarization-selective etching in femtosecond laser-assisted microfluidic channel fabrication in fused silica. <i>Optics Letters</i> , 2005, 30, 1867.	3.3	265
34	Controlling High Harmonic Generation with Molecular Wave Packets. <i>Physical Review Letters</i> , 2005, 94, 123902.	7.8	264
35	Forced Molecular Rotation in an Optical Centrifuge. <i>Physical Review Letters</i> , 2000, 85, 542-545.	7.8	263
36	Direct imaging of rotational wave-packet dynamics of diatomic molecules. <i>Physical Review A</i> , 2003, 68, .	2.5	260

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37	Binary and Recoil Collisions in Strong Field Double Ionization of Helium. <i>Physical Review Letters</i> , 2007, 99, 263002.	7.8	255
38	Observation of Enhanced Ionization of Molecular Ions in Intense Laser Fields. <i>Physical Review Letters</i> , 1996, 76, 4140-4143.	7.8	245
39	Creating High-Harmonic Beams with Controlled Orbital Angular Momentum. <i>Physical Review Letters</i> , 2014, 113, 153901.	7.8	244
40	Optical Centrifuge for Molecules. <i>Physical Review Letters</i> , 1999, 82, 3420-3423.	7.8	240
41	Routes to Control of Intense-Field Atomic Polarizability. <i>Physical Review Letters</i> , 1995, 74, 2933-2936.	7.8	226
42	Pulse duration dependence of femtosecond-laser-fabricated nanogratings in fused silica. <i>Applied Physics Letters</i> , 2005, 87, 014104.	3.3	225
43	Conical Intersection Dynamics in NO ₂ Probed by Homodyne High-Harmonic Spectroscopy. <i>Science</i> , 2011, 334, 208-212.	12.6	222
44	Reading diffraction images in strong field ionization of diatomic molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, L243-L250.	1.5	206
45	Ionization and dissociation of diatomic molecules in intense infrared laser fields. <i>Journal of Chemical Physics</i> , 1992, 97, 3187-3198.	3.0	205
46	Intense-field laser ionization rates in atoms and molecules. <i>Physical Review A</i> , 2001, 64, .	2.5	198
47	Plasmon-enhanced high-harmonic generation from silicon. <i>Nature Physics</i> , 2017, 13, 659-662.	16.7	194
48	Observation of Electronic Structure Minima in High-Harmonic Generation. <i>Physical Review Letters</i> , 2009, 102, 103901.	7.8	193
49	Deflection of Neutral Molecules using the Nonresonant Dipole Force. <i>Physical Review Letters</i> , 1997, 79, 2787-2790.	7.8	186
50	Recollision physics. <i>Physics Today</i> , 2011, 64, 36-41.	0.3	183
51	Determining the absolute carrier phase of a few-cycle laser pulse. <i>Optics Letters</i> , 2000, 25, 16.	3.3	180
52	Tailored semiconductors for high-harmonic optoelectronics. <i>Science</i> , 2017, 357, 303-306.	12.6	173
53	Atomic wavefunctions probed through strong-field light-matter interaction. <i>Nature Physics</i> , 2009, 5, 412-416.	16.7	170
54	Petahertz optical oscilloscope. <i>Nature Photonics</i> , 2013, 7, 958-962.	31.4	163

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55	Field-Free Three-Dimensional Alignment of Polyatomic Molecules. <i>Physical Review Letters</i> , 2006, 97, 173001.	7.8	160
56	Nonlinear Ionization of Organic Molecules in High Intensity Laser Fields. <i>Physical Review Letters</i> , 2000, 84, 5082-5085.	7.8	156
57	Optical studies of inertially confined molecular iodine ions. <i>Physical Review Letters</i> , 1992, 68, 2755-2758.	7.8	153
58	Mapping Attosecond Electron Wave Packet Motion. <i>Physical Review Letters</i> , 2005, 94, 083003.	7.8	151
59	Partitioning of the Linear Photon Momentum in Multiphoton Ionization. <i>Physical Review Letters</i> , 2011, 106, 193002.	7.8	150
60	Signatures of the continuum electron phase in molecular strong-field photoelectron holography. <i>Nature Physics</i> , 2014, 10, 594-600.	16.7	150
61	Compression of high-power optical pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1988, 5, 641.	2.1	147
62	Molecular reorientation during dissociative multiphoton ionization. <i>Physical Review A</i> , 1993, 47, 2305-2311.	2.5	139
63	Ultrashort pulse non-linear optical absorption in transparent media. <i>Optics Express</i> , 2005, 13, 3208.	3.4	138
64	Wave Packet Structure and Dynamics Measured by Coulomb Explosion. <i>Physical Review Letters</i> , 1995, 74, 3780-3783.	7.8	137
65	Internal Laser-Induced Dipole Force at Work in C ₆₀ Molecule. <i>Physical Review Letters</i> , 2003, 91, 203004.	7.8	136
66	Disentangling molecular alignment and enhanced ionization in intense laser fields. <i>Physical Review A</i> , 1999, 59, R3170-R3173.	2.5	133
67	Controlling Attosecond Double Ionization Dynamics via Molecular Alignment. <i>Physical Review Letters</i> , 2005, 95, 203003.	7.8	132
68	Fully Differential Rates for Femtosecond Multiphoton Double Ionization of Neon. <i>Physical Review Letters</i> , 2004, 92, 213002.	7.8	131
69	Attosecond Strobing of Two-Surface Population Dynamics in Dissociating H ₂ ⁺ . <i>Physical Review Letters</i> , 2007, 98, 073003.	7.8	128
70	Femtosecond Coulomb Explosion Imaging of Vibrational Wave Functions. <i>Physical Review Letters</i> , 1999, 82, 3416-3419.	7.8	127
71	Polarization State of High-Order Harmonic Emission from Aligned Molecules. <i>Physical Review Letters</i> , 2007, 99, 243001.	7.8	127
72	Direct Test of Laser Tunneling with Electron Momentum Imaging. <i>Physical Review Letters</i> , 2010, 105, 133002.	7.8	127

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73	Controlling the Interference of Multiple Molecular Orbitals in High-Harmonic Generation. Physical Review Letters, 2010, 104, 233904.	7.8	127
74	Compression of 1.8- μm laser pulses to sub two optical cycles with bulk material. Applied Physics Letters, 2010, 96, .	3.3	126
75	Photonic streaking of attosecond pulse trains. Nature Photonics, 2013, 7, 651-656.	31.4	126
76	Controlling the orbital angular momentum of high harmonic vortices. Nature Communications, 2017, 8, 14970.	12.8	124
77	Angular Tunneling Ionization Probability of Fixed-in-Space H_2 Molecules in Intense Laser Pulses. Physical Review Letters, 2009, 102, 033004.	7.8	123
78	Oriented Rotational Wave-Packet Dynamics Studies via High Harmonic Generation. Physical Review Letters, 2012, 109, 113901.	7.8	119
79	Femtosecond laser-induced refractive index modification in multicomponent glasses. Journal of Applied Physics, 2005, 97, 083102.	2.5	118
80	Generation of high-order harmonics from inertially confined molecular ions. Physical Review A, 1993, 48, 580-590.	2.5	115
81	Control of high-order harmonic generation in strong laser fields. Physical Review A, 1995, 51, 3991-3998.	2.5	109
82	Methods for the measurement of the duration of high-harmonic pulses. Physical Review A, 1997, 56, 3870-3878.	2.5	108
83	Phase Control of Rotational Wave Packets and Quantum Information. Physical Review Letters, 2004, 93, 233601.	7.8	108
84	Generation of infrared supercontinuum covering 3- μm in dielectrics and semiconductors. Optics Letters, 1985, 10, 624.	3.3	107
85	Observation of Coulomb focusing in tunnelling ionization of noble gases. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 1923-1933.	1.5	106
86	Ellipticity and polarization effects in harmonic generation in ionizing neon. Physical Review A, 1995, 51, R3418-R3421.	2.5	104
87	Quantum Interference in Double Ionization and Fragmentation of C_6H_6 in Intense Laser Fields. Physical Review Letters, 2001, 87, 253003.	7.8	104
88	High-resolution study of photoinduced modification in fused silica produced by a tightly focused femtosecond laser beam in the presence of aberrations. Journal of Applied Physics, 2005, 98, 013517.	2.5	104
89	Attosecond Circular Dichroism Spectroscopy of Polyatomic Molecules. Physical Review Letters, 2009, 102, 063601.	7.8	104
90	Ultra-high-Order Wave Mixing in Noncollinear High Harmonic Generation. Physical Review Letters, 2011, 106, 023001.	7.8	104

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91	Time-Resolved Double Ionization with Few Cycle Laser Pulses. Physical Review Letters, 2003, 91, 093002.	7.8	103
92	Two-pulse alignment of molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, L43-L48.	1.5	103
93	Stress in femtosecond-laser-written waveguides in fused silica. Optics Letters, 2004, 29, 1312.	3.3	103
94	Chirped Attosecond Photoelectron Spectroscopy. Physical Review Letters, 2006, 96, 063002.	7.8	103
95	Laser-Induced Interference, Focusing, and Diffraction of Rescattering Molecular Photoelectrons. Physical Review Letters, 2004, 93, 223003.	7.8	102
96	Probing Angular Correlations in Sequential Double Ionization. Physical Review Letters, 2011, 107, 113003.	7.8	101
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	High Harmonic Generation and the Role of Atomic Orbital Wave Functions. Physical Review Letters, 2007, 98, 183903.	7.8	100
99	Interband Bloch oscillation mechanism for high-harmonic generation in semiconductor crystals. Physical Review A, 2015, 92, .	2.5	99
100	Subcycle Control of Electron-Electron Correlation in Double Ionization. Physical Review Letters, 2014, 112, 193002.	7.8	97
101	Attosecond Spectral Shearing Interferometry. Physical Review Letters, 2003, 90, 073902.	7.8	95
102	CEP stable 16 cycle laser pulses at 18 $\frac{1}{4}$ μ m. Optics Express, 2011, 19, 6858.	3.4	95
103	Laser Coulomb-explosion imaging of small molecules. Physical Review A, 2005, 71, .	2.5	94
104	Manipulation of quantum paths for space-time characterization of attosecond pulses. Nature Physics, 2013, 9, 159-163.	16.7	94
105	Interactions of Ultra-Intense Laser Light with Matter. Physics Today, 1995, 48, 36-43.	0.3	93
106	Time-resolved Coulomb explosion imaging: A method to measure structure and dynamics of molecular nuclear wave packets. Physical Review A, 1998, 58, 426-433.	2.5	91
107	Enhanced ionization of diatomic molecules in strong laser fields: A classical model. Physical Review A, 1996, 54, 736-741.	2.5	90
108	Exciton-seeded multiphoton ionization in bulk SiO_2 Physical Review B, 2010, 81, .	3.2	90

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109	Imaging the time-dependent structure of a molecule as it undergoes dynamics. <i>Physical Review A</i> , 2005, 72, .	2.5	89
110	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
111	How to Use Lasers for Imaging Attosecond Dynamics of Nuclear Processes. <i>Physical Review Letters</i> , 2004, 92, 013002.	7.8	88
112	Few Cycle Dynamics of Multiphoton Double Ionization. <i>Physical Review Letters</i> , 2001, 86, 3522-3525.	7.8	87
113	Multiphoton Ionization of Xe and Kr with Intense 0.62- μ m Femtosecond Pulses. <i>Physical Review Letters</i> , 1988, 61, 153-156.	7.8	86
114	Strong-field optoelectronics in solids. <i>Nature Photonics</i> , 2018, 12, 465-468.	31.4	80
115	Memory in Nonlinear Ionization of Transparent Solids. <i>Physical Review Letters</i> , 2006, 97, 253001.	7.8	79
116	High-power, subpicosecond 10- μ m pulse generation. <i>Optics Letters</i> , 1983, 8, 514.	3.3	78
117	Refraction effects associated with multiphoton ionization and ultrashort-pulse laser propagation in plasma waveguides. <i>Optics Letters</i> , 1991, 16, 835.	3.3	78
118	Attosecond photoionization of coherently coupled electronic states. <i>Physical Review A</i> , 2005, 72, .	2.5	78
119	Optical deflection of molecules. <i>Physical Review A</i> , 1998, 57, 2794-2801.	2.5	76
120	Two-Electron Dissociative Ionization of H ₂ and D ₂ in Infrared Laser Fields. <i>Physical Review Letters</i> , 1996, 77, 4150-4153.	7.8	75
121	Controlling Vibrational Wave Packet Motion with Intense Modulated Laser Fields. <i>Physical Review Letters</i> , 2003, 90, 203601.	7.8	75
122	Mapping Molecular Orbital Symmetry on High-Order Harmonic Generation Spectrum Using Two-Color Laser Fields. <i>Physical Review Letters</i> , 2010, 105, 053003.	7.8	75
123	Probing Molecular Dynamics by Laser-Induced Backscattering Holography. <i>Physical Review Letters</i> , 2016, 116, 133001.	7.8	75
124	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.	1.5	74
125	Controlling vibrational wave packets with intense, few-cycle laser pulses. <i>Physical Review A</i> , 2006, 73, .	2.5	73
126	A fast scalable switching technique for high-power CO ₂ laser radiation. <i>Applied Physics Letters</i> , 1975, 27, 680-682.	3.3	72

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127	Photon-momentum transfer in multiphoton ionization and in time-resolved holography with photoelectrons. <i>Physical Review A</i> , 2015, 92, .	2.5	72
128	Ultra-fast switching of infrared radiation by laser-produced carriers in semiconductors. <i>Canadian Journal of Physics</i> , 1979, 57, 1280-1290.	1.1	71
129	Mechanisms of Two-Color Laser-Induced Field-Free Molecular Orientation. <i>Physical Review Letters</i> , 2012, 109, 113001.	7.8	71
130	Generation of 130-fsec midinfrared pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1986, 3, 1625.	2.1	70
131	Recollision during the High Laser Intensity Ionization of C ₆₀ . <i>Physical Review Letters</i> , 2004, 93, 043001.	7.8	70
132	Femtosecond laser erasing and rewriting of self-organized planar nanocracks in fused silica glass. <i>Optics Letters</i> , 2007, 32, 2888.	3.3	70
133	Orientation-Dependent Multiphoton Ionization in Wide Band Gap Crystals. <i>Physical Review Letters</i> , 2008, 101, 243001.	7.8	68
134	Precise in-situ measurement of laser pulse intensity using strong field ionization. <i>Optics Express</i> , 2011, 19, 9336.	3.4	68
135	Time delay in molecular photoionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 095602.	1.5	68
136	Probing Polar Molecules with High Harmonic Spectroscopy. <i>Physical Review Letters</i> , 2012, 109, 233904.	7.8	67
137	Vectorized optoelectronic control and metrology in a semiconductor. <i>Nature Photonics</i> , 2020, 14, 680-685.	31.4	67
138	Femtosecond laser fabrication of nanostructures in silica glass. <i>Optics Letters</i> , 2003, 28, 1043.	3.3	66
139	SUBFEMTOSECOND PROCESSES IN STRONG LASER FIELDS. <i>Annual Review of Physical Chemistry</i> , 1997, 48, 387-406.	10.8	63
140	Revealing the Cooper minimum of N^2 by Molecular Frame High-Harmonic Spectroscopy. <i>Physical Review Letters</i> , 2012, 109, 143001.	7.8	63
141	Attosecond pulses at last. <i>Nature</i> , 2000, 403, 845-846.	27.8	62
142	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, .	2.5	62
143	Two-Plasmon Decay and Profile Modification Produced by 10.6- μ m Radiation at Quarter-Critical Density. <i>Physical Review Letters</i> , 1978, 41, 1719-1722.	7.8	61
144	Coherent creation and annihilation of rotational wave packets in incoherent ensembles. <i>Physical Review A</i> , 2006, 73, .	2.5	61

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145	Field Dependent Avalanche Ionization Rates in Dielectrics. Physical Review Letters, 2009, 102, 083001.	7.8	61
146	Optical gain in rotationally excited nitrogen molecular ions. Physical Review A, 2017, 96, .	2.5	61
147	Dynamic nuclear interference structures in the Coulomb explosion spectra of a hydrogen molecule in intense laser fields: Reexamination of molecular enhanced ionization. Physical Review A, 2007, 76, .	2.5	60
148	Probing the Spatial Structure of a Molecular Attosecond Electron Wave Packet Using Shaped Recollision Trajectories. Physical Review Letters, 2011, 107, 093004.	7.8	60
149	Stopping a Vibrational Wave Packet with Laser-Induced Dipole Forces. Physical Review Letters, 2004, 92, 133002.	7.8	58
150	Shakeup Excitation during Optical Tunnel Ionization. Physical Review Letters, 2005, 94, 033003.	7.8	58
151	Trajectory-Resolved Coulomb Focusing in Tunnel Ionization of Atoms with Intense, Elliptically Polarized Laser Pulses. Physical Review Letters, 2013, 111, 023005.	7.8	58
152	Testing the Role of Recollision in N_2 Air Lasing. Physical Review Letters, 2018, 120, 133208.	7.8	58
153	Transient nanoplasmonics inside dielectrics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, S273-S282.	1.5	57
154	Electron-Electron Momentum Exchange in Strong Field Double Ionization. Physical Review Letters, 2003, 91, 123004.	7.8	56
155	Momentum space tomographic imaging of photoelectrons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 185402.	1.5	56
156	Attosecond pulses measured from the attosecond lighthouse. Nature Photonics, 2016, 10, 171-175.	31.4	56
157	Gating attosecond pulse train generation using multicolor laser fields. Physical Review A, 2010, 81, .	2.5	55
158	High harmonic generation with long-wavelength few-cycle laser pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 074008.	1.5	55
159	Laser-sub-cycle two-dimensional electron-momentum mapping using orthogonal two-color fields. Physical Review A, 2014, 90, .	2.5	55
160	Manipulating quantum paths for novel attosecond measurement methods. Nature Photonics, 2014, 8, 187-194.	31.4	54
161	Applications of ultrafast wavefront rotation in highly nonlinear optics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124004.	1.5	53
162	High-Order Harmonic Transient Grating Spectroscopy in a Molecular Jet. Physical Review Letters, 2008, 100, 143903.	7.8	52

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163	Demonstration of attosecond ionization dynamics inside transparent solids. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 131002.	1.5	52
164	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.	1.5	52
165	Observing molecular dynamics with timed Coulomb explosion imaging. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1998, 356, 329-344.	3.4	50
166	Linked attosecond phase interferometry for molecular frame measurements. <i>Nature Physics</i> , 2013, 9, 174-178.	16.7	49
167	Resistance of short pulses to self-focusing. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1994, 11, 492.	2.1	47
168	Nonperturbative harmonic generation in graphene from intense midinfrared pulsed light. <i>Physical Review B</i> , 2017, 96, .	3.2	47
169	Barrier suppression in high intensity photodissociation of diatomics: Electronic and permanent dipole moment effects. <i>Journal of Chemical Physics</i> , 1997, 106, 9095-9104.	3.0	46
170	Asymmetry in the harmonic generation from nonsymmetric molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, L339-L346.	1.5	44
171	Attosecond Temporal Gating with Elliptically Polarized Light. <i>Physical Review Letters</i> , 2006, 97, 253903.	7.8	43
172	Molecular science with strong laser fields. <i>Faraday Discussions</i> , 1999, 113, 47-59.	3.2	41
173	Frequency-resolved high-harmonic wavefront characterization. <i>Optics Letters</i> , 2009, 34, 3026.	3.3	40
174	Muonic Molecules in Superintense Laser Fields. <i>Physical Review Letters</i> , 2004, 93, 083602.	7.8	39
175	Attosecond photoelectron interference in the separable Coulomb-Volkov continuum. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, F93-F103.	1.5	38
176	Nonsequential double ionization of D ₂ molecules with intense 20-fs pulses. <i>Physical Review A</i> , 2003, 67, .	2.5	37
177	Coincidence imaging of polyatomic molecules via laser-induced Coulomb explosion. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 215104.	1.5	37
178	Polarization dependent nanostructuring of silicon with femtosecond vortex pulse. <i>APL Photonics</i> , 2017, 2, .	5.7	37
179	Laser Coulomb explosion imaging for probing ultra-fast molecular dynamics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, S503-S513.	1.5	36
180	Imaging and controlling multielectron dynamics by laser-induced tunnel ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 041001.	1.5	36

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181	Order-dependent structure of high harmonic wavefronts. <i>Optics Express</i> , 2012, 20, 13870.	3.4	36
182	Time-resolved high-harmonic spectroscopy of nonadiabatic dynamics in NO ₂ . <i>Physical Review A</i> , 2012, 85, .	2.5	36
183	Intense-Laser Solid State Physics: Unraveling the Difference between Semiconductors and Dielectrics. <i>Physical Review Letters</i> , 2017, 118, 173601.	7.8	36
184	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
185	Generating few-cycle radially polarized pulses. <i>Optica</i> , 2019, 6, 160.	9.3	35
186	Nanometer resolution optical coherence tomography using broad bandwidth XUV and soft x-ray radiation. <i>Scientific Reports</i> , 2016, 6, 20658.	3.3	34
187	Molecular Frame Reconstruction Using Time-Domain Photoionization Interferometry. <i>Physical Review Letters</i> , 2017, 119, 083401.	7.8	34
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