

# Paul B Corkum

## List of Publications by Year in descending order

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435  
papers

44,411  
citations

2426

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. Physical Review Letters, 1993, 71, 1994-1997.	2.9	6,161
2	Theory of high-harmonic generation by low-frequency laser fields. Physical Review A, 1994, 49, 2117-2132.	1.0	3,431
3	Tomographic imaging of molecular orbitals. Nature, 2004, 432, 867-871.	13.7	2,028
4	Attosecond science. Nature Physics, 2007, 3, 381-387.	6.5	1,834
5	High harmonic interferometry of multi-electron dynamics in molecules. Nature, 2009, 460, 972-977.	13.7	960
6	Attosecond Streak Camera. Physical Review Letters, 2002, 88, 173903.	2.9	792
7	Above-threshold ionization in the long-wavelength limit. Physical Review Letters, 1989, 62, 1259-1262.	2.9	744
8	Role of Electron Localization in Intense-Field Molecular Ionization. Physical Review Letters, 1995, 75, 2819-2822.	2.9	735
9	Laser-Induced Electron Tunneling and Diffraction. Science, 2008, 320, 1478-1482.	6.0	692
10	X-ray Pulses Approaching the Attosecond Frontier. Science, 2001, 291, 1923-1927.	6.0	683
11	Sub-laser-cycle electron pulses for probing molecular dynamics. Nature, 2002, 417, 917-922.	13.7	597
12	Linking high harmonics from gases and solids. Nature, 2015, 522, 462-464.	13.7	567
13	Subfemtosecond pulses. Optics Letters, 1994, 19, 1870.	1.7	555
14	Theoretical Analysis of High-Harmonic Generation in Solids. Physical Review Letters, 2014, 113, 073901.	2.9	490
15	Optically Produced Arrays of Planar Nanostructures inside Fused Silica. Physical Review Letters, 2006, 96, 057404.	2.9	470
16	Alignment-Dependent Strong Field Ionization of Molecules. Physical Review Letters, 2003, 90, 233003.	2.9	445
17	Direct Measurement of the Angular Dependence of Ionization for N <sub>2</sub> , O <sub>2</sub> , and CO <sub>2</sub> in Intense Laser Fields. Physical Review Letters, 2007, 98, 243001.	2.9	408
18	Efficient molecular dissociation by a chirped ultrashort infrared laser pulse. Physical Review Letters, 1990, 65, 2355-2358.	2.9	402

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19	Following a chemical reaction using high-harmonic interferometry. <i>Nature</i> , 2010, 466, 604-607.	13.7	394
20	All-Optical Reconstruction of Crystal Band Structure. <i>Physical Review Letters</i> , 2015, 115, 193603.	2.9	387
21	Probing molecular dynamics with attosecond resolution using correlated wave packet pairs. <i>Nature</i> , 2003, 421, 826-829.	13.7	376
22	Supercontinuum Generation in Gases. <i>Physical Review Letters</i> , 1986, 57, 2268-2271.	2.9	356
23	Phase-Controlled Currents in Semiconductors. <i>Physical Review Letters</i> , 1995, 74, 3596-3599.	2.9	338
24	Measuring and controlling the birth of attosecond XUV pulses. <i>Nature Physics</i> , 2006, 2, 781-786.	6.5	335
25	Thermal Response of Metals to Ultrashort-Pulse Laser Excitation. <i>Physical Review Letters</i> , 1988, 61, 2886-2889.	2.9	333
26	Coulomb focusing in intense field atomic processes. <i>Physical Review A</i> , 1996, 54, R2551-R2554.	1.0	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.	0.9	311
28	Wavelength Scaling of High Harmonic Generation Efficiency. <i>Physical Review Letters</i> , 2009, 103, 073902.	2.9	303
29	Probing collective multi-electron dynamics in xenon with high-harmonic spectroscopy. <i>Nature Physics</i> , 2011, 7, 464-467.	6.5	303
30	High-harmonic generation and correlated two-electron multiphoton ionization with elliptically polarized light. <i>Physical Review A</i> , 1994, 50, R3585-R3588.	1.0	296
31	Semiclassical analysis of high harmonic generation in bulk crystals. <i>Physical Review B</i> , 2015, 91, .	1.1	286
32	Laser Tunnel Ionization from Multiple Orbitals in HCl. <i>Science</i> , 2009, 325, 1364-1367.	6.0	283
33	Polarization-selective etching in femtosecond laser-assisted microfluidic channel fabrication in fused silica. <i>Optics Letters</i> , 2005, 30, 1867.	1.7	265
34	Controlling High Harmonic Generation with Molecular Wave Packets. <i>Physical Review Letters</i> , 2005, 94, 123902.	2.9	264
35	Forced Molecular Rotation in an Optical Centrifuge. <i>Physical Review Letters</i> , 2000, 85, 542-545.	2.9	263
36	Direct imaging of rotational wave-packet dynamics of diatomic molecules. <i>Physical Review A</i> , 2003, 68, .	1.0	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.	2.9	255
38	Observation of Enhanced Ionization of Molecular Ions in Intense Laser Fields. <i>Physical Review Letters</i> , 1996, 76, 4140-4143.	2.9	245
39	Creating High-Harmonic Beams with Controlled Orbital Angular Momentum. <i>Physical Review Letters</i> , 2014, 113, 153901.	2.9	244
40	Optical Centrifuge for Molecules. <i>Physical Review Letters</i> , 1999, 82, 3420-3423.	2.9	240
41	Routes to Control of Intense-Field Atomic Polarizability. <i>Physical Review Letters</i> , 1995, 74, 2933-2936.	2.9	226
42	Pulse duration dependence of femtosecond-laser-fabricated nanogratings in fused silica. <i>Applied Physics Letters</i> , 2005, 87, 014104.	1.5	225
43	Conical Intersection Dynamics in NO <sub>2</sub> Probed by Homodyne High-Harmonic Spectroscopy. <i>Science</i> , 2011, 334, 208-212.	6.0	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.	0.6	206
45	Ionization and dissociation of diatomic molecules in intense infrared laser fields. <i>Journal of Chemical Physics</i> , 1992, 97, 3187-3198.	1.2	205
46	Intense-field laser ionization rates in atoms and molecules. <i>Physical Review A</i> , 2001, 64, .	1.0	198
47	Plasmon-enhanced high-harmonic generation from silicon. <i>Nature Physics</i> , 2017, 13, 659-662.	6.5	194
48	Observation of Electronic Structure Minima in High-Harmonic Generation. <i>Physical Review Letters</i> , 2009, 102, 103901.	2.9	193
49	Deflection of Neutral Molecules using the Nonresonant Dipole Force. <i>Physical Review Letters</i> , 1997, 79, 2787-2790.	2.9	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.	1.7	180
52	Tailored semiconductors for high-harmonic optoelectronics. <i>Science</i> , 2017, 357, 303-306.	6.0	173
53	Atomic wavefunctions probed through strong-field light-matter interaction. <i>Nature Physics</i> , 2009, 5, 412-416.	6.5	170
54	Petahertz optical oscilloscope. <i>Nature Photonics</i> , 2013, 7, 958-962.	15.6	163

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55	Field-Free Three-Dimensional Alignment of Polyatomic Molecules. <i>Physical Review Letters</i> , 2006, 97, 173001.	2.9	160
56	Nonlinear Ionization of Organic Molecules in High Intensity Laser Fields. <i>Physical Review Letters</i> , 2000, 84, 5082-5085.	2.9	156
57	Optical studies of inertially confined molecular iodine ions. <i>Physical Review Letters</i> , 1992, 68, 2755-2758.	2.9	153
58	Mapping Attosecond Electron Wave Packet Motion. <i>Physical Review Letters</i> , 2005, 94, 083003.	2.9	151
59	Partitioning of the Linear Photon Momentum in Multiphoton Ionization. <i>Physical Review Letters</i> , 2011, 106, 193002.	2.9	150
60	Signatures of the continuum electron phase in molecular strong-field photoelectron holography. <i>Nature Physics</i> , 2014, 10, 594-600.	6.5	150
61	Compression of high-power optical pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1988, 5, 641.	0.9	147
62	Molecular reorientation during dissociative multiphoton ionization. <i>Physical Review A</i> , 1993, 47, 2305-2311.	1.0	139
63	Ultrashort pulse non-linear optical absorption in transparent media. <i>Optics Express</i> , 2005, 13, 3208.	1.7	138
64	Wave Packet Structure and Dynamics Measured by Coulomb Explosion. <i>Physical Review Letters</i> , 1995, 74, 3780-3783.	2.9	137
65	Internal Laser-Induced Dipole Force at Work in C <sub>60</sub> Molecule. <i>Physical Review Letters</i> , 2003, 91, 203004.	2.9	136
66	Disentangling molecular alignment and enhanced ionization in intense laser fields. <i>Physical Review A</i> , 1999, 59, R3170-R3173.	1.0	133
67	Controlling Attosecond Double Ionization Dynamics via Molecular Alignment. <i>Physical Review Letters</i> , 2005, 95, 203003.	2.9	132
68	Fully Differential Rates for Femtosecond Multiphoton Double Ionization of Neon. <i>Physical Review Letters</i> , 2004, 92, 213002.	2.9	131
69	Attosecond Strobing of Two-Surface Population Dynamics in Dissociating H <sub>2</sub> <sup>+</sup> . <i>Physical Review Letters</i> , 2007, 98, 073003.	2.9	128
70	Femtosecond Coulomb Explosion Imaging of Vibrational Wave Functions. <i>Physical Review Letters</i> , 1999, 82, 3416-3419.	2.9	127
71	Polarization State of High-Order Harmonic Emission from Aligned Molecules. <i>Physical Review Letters</i> , 2007, 99, 243001.	2.9	127
72	Direct Test of Laser Tunneling with Electron Momentum Imaging. <i>Physical Review Letters</i> , 2010, 105, 133002.	2.9	127

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73	Controlling the Interference of Multiple Molecular Orbitals in High-Harmonic Generation. Physical Review Letters, 2010, 104, 233904.	2.9	127
74	Compression of 1.8- $\mu\text{m}$ laser pulses to sub two optical cycles with bulk material. Applied Physics Letters, 2010, 96, .	1.5	126
75	Photonic streaking of attosecond pulse trains. Nature Photonics, 2013, 7, 651-656.	15.6	126
76	Controlling the orbital angular momentum of high harmonic vortices. Nature Communications, 2017, 8, 14970.	5.8	124
77	Angular Tunneling Ionization Probability of Fixed-in-Space $H_2$ Molecules in Intense Laser Pulses. Physical Review Letters, 2009, 102, 033004.	2.9	123
78	Oriented Rotational Wave-Packet Dynamics Studies via High Harmonic Generation. Physical Review Letters, 2012, 109, 113901.	2.9	119
79	Femtosecond laser-induced refractive index modification in multicomponent glasses. Journal of Applied Physics, 2005, 97, 083102.	1.1	118
80	Generation of high-order harmonics from inertially confined molecular ions. Physical Review A, 1993, 48, 580-590.	1.0	115
81	Control of high-order harmonic generation in strong laser fields. Physical Review A, 1995, 51, 3991-3998.	1.0	109
82	Methods for the measurement of the duration of high-harmonic pulses. Physical Review A, 1997, 56, 3870-3878.	1.0	108
83	Phase Control of Rotational Wave Packets and Quantum Information. Physical Review Letters, 2004, 93, 233601.	2.9	108
84	Generation of infrared supercontinuum covering 3- $\mu\text{m}$ in dielectrics and semiconductors. Optics Letters, 1985, 10, 624.	1.7	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.	0.6	106
86	Ellipticity and polarization effects in harmonic generation in ionizing neon. Physical Review A, 1995, 51, R3418-R3421.	1.0	104
87	Quantum Interference in Double Ionization and Fragmentation of $C_6H_6$ in Intense Laser Fields. Physical Review Letters, 2001, 87, 253003.	2.9	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.	1.1	104
89	Attosecond Circular Dichroism Spectroscopy of Polyatomic Molecules. Physical Review Letters, 2009, 102, 063601.	2.9	104
90	Ultra-high-Order Wave Mixing in Noncollinear High Harmonic Generation. Physical Review Letters, 2011, 106, 023001.	2.9	104

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91	Time-Resolved Double Ionization with Few Cycle Laser Pulses. Physical Review Letters, 2003, 91, 093002.	2.9	103
92	Two-pulse alignment of molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, L43-L48.	0.6	103
93	Stress in femtosecond-laser-written waveguides in fused silica. Optics Letters, 2004, 29, 1312.	1.7	103
94	Chirped Attosecond Photoelectron Spectroscopy. Physical Review Letters, 2006, 96, 063002.	2.9	103
95	Laser-Induced Interference, Focusing, and Diffraction of Rescattering Molecular Photoelectrons. Physical Review Letters, 2004, 93, 223003.	2.9	102
96	Probing Angular Correlations in Sequential Double Ionization. Physical Review Letters, 2011, 107, 113003.	2.9	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.	0.9	101
98	High Harmonic Generation and the Role of Atomic Orbital Wave Functions. Physical Review Letters, 2007, 98, 183903.	2.9	100
99	Interband Bloch oscillation mechanism for high-harmonic generation in semiconductor crystals. Physical Review A, 2015, 92, .	1.0	99
100	Subcycle Control of Electron-Electron Correlation in Double Ionization. Physical Review Letters, 2014, 112, 193002.	2.9	97
101	Attosecond Spectral Shearing Interferometry. Physical Review Letters, 2003, 90, 073902.	2.9	95
102	CEP stable 16 cycle laser pulses at 18 $\frac{1}{4}$ $\mu$ m. Optics Express, 2011, 19, 6858.	1.7	95
103	Laser Coulomb-explosion imaging of small molecules. Physical Review A, 2005, 71, .	1.0	94
104	Manipulation of quantum paths for space-time characterization of attosecond pulses. Nature Physics, 2013, 9, 159-163.	6.5	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.	1.0	91
107	Enhanced ionization of diatomic molecules in strong laser fields: A classical model. Physical Review A, 1996, 54, 736-741.	1.0	90
108	Exciton-seeded multiphoton ionization in bulk $\text{SiO}_2$ . Physical Review B, 2010, 81, .	1.1	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, .	1.0	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.	2.9	89
111	How to Use Lasers for Imaging Attosecond Dynamics of Nuclear Processes. <i>Physical Review Letters</i> , 2004, 92, 013002.	2.9	88
112	Few Cycle Dynamics of Multiphoton Double Ionization. <i>Physical Review Letters</i> , 2001, 86, 3522-3525.	2.9	87
113	Multiphoton Ionization of Xe and Kr with Intense 0.62- $\mu$ m Femtosecond Pulses. <i>Physical Review Letters</i> , 1988, 61, 153-156.	2.9	86
114	Strong-field optoelectronics in solids. <i>Nature Photonics</i> , 2018, 12, 465-468.	15.6	80
115	Memory in Nonlinear Ionization of Transparent Solids. <i>Physical Review Letters</i> , 2006, 97, 253001.	2.9	79
116	High-power, subpicosecond 10- $\mu$ m pulse generation. <i>Optics Letters</i> , 1983, 8, 514.	1.7	78
117	Refraction effects associated with multiphoton ionization and ultrashort-pulse laser propagation in plasma waveguides. <i>Optics Letters</i> , 1991, 16, 835.	1.7	78
118	Attosecond photoionization of coherently coupled electronic states. <i>Physical Review A</i> , 2005, 72, .	1.0	78
119	Optical deflection of molecules. <i>Physical Review A</i> , 1998, 57, 2794-2801.	1.0	76
120	Two-Electron Dissociative Ionization of H <sub>2</sub> and D <sub>2</sub> in Infrared Laser Fields. <i>Physical Review Letters</i> , 1996, 77, 4150-4153.	2.9	75
121	Controlling Vibrational Wave Packet Motion with Intense Modulated Laser Fields. <i>Physical Review Letters</i> , 2003, 90, 203601.	2.9	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.	2.9	75
123	Probing Molecular Dynamics by Laser-Induced Backscattering Holography. <i>Physical Review Letters</i> , 2016, 116, 133001.	2.9	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.	0.6	74
125	Controlling vibrational wave packets with intense, few-cycle laser pulses. <i>Physical Review A</i> , 2006, 73, .	1.0	73
126	A fast scalable switching technique for high-power CO <sub>2</sub> laser radiation. <i>Applied Physics Letters</i> , 1975, 27, 680-682.	1.5	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, .	1.0	72
128	Ultra-fast switching of infrared radiation by laser-produced carriers in semiconductors. <i>Canadian Journal of Physics</i> , 1979, 57, 1280-1290.	0.4	71
129	Mechanisms of Two-Color Laser-Induced Field-Free Molecular Orientation. <i>Physical Review Letters</i> , 2012, 109, 113001.	2.9	71
130	Generation of 130-fsec midinfrared pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1986, 3, 1625.	0.9	70
131	Recollision during the High Laser Intensity Ionization of C <sub>60</sub> . <i>Physical Review Letters</i> , 2004, 93, 043001.	2.9	70
132	Femtosecond laser erasing and rewriting of self-organized planar nanocracks in fused silica glass. <i>Optics Letters</i> , 2007, 32, 2888.	1.7	70
133	Orientation-Dependent Multiphoton Ionization in Wide Band Gap Crystals. <i>Physical Review Letters</i> , 2008, 101, 243001.	2.9	68
134	Precise in-situ measurement of laser pulse intensity using strong field ionization. <i>Optics Express</i> , 2011, 19, 9336.	1.7	68
135	Time delay in molecular photoionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 095602.	0.6	68
136	Probing Polar Molecules with High Harmonic Spectroscopy. <i>Physical Review Letters</i> , 2012, 109, 233904.	2.9	67
137	Vectorized optoelectronic control and metrology in a semiconductor. <i>Nature Photonics</i> , 2020, 14, 680-685.	15.6	67
138	Femtosecond laser fabrication of nanostructures in silica glass. <i>Optics Letters</i> , 2003, 28, 1043.	1.7	66
139	SUBFEMTOSECOND PROCESSES IN STRONG LASER FIELDS. <i>Annual Review of Physical Chemistry</i> , 1997, 48, 387-406.	4.8	63
140	Revealing the Cooper minimum of $N^2$ by Molecular Frame High-Harmonic Spectroscopy. <i>Physical Review Letters</i> , 2012, 109, 143001.	2.9	63
141	Attosecond pulses at last. <i>Nature</i> , 2000, 403, 845-846.	13.7	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, .	1.0	62
143	Two-Plasmon Decay and Profile Modification Produced by 10.6- $\mu$ m Radiation at Quarter-Critical Density. <i>Physical Review Letters</i> , 1978, 41, 1719-1722.	2.9	61
144	Coherent creation and annihilation of rotational wave packets in incoherent ensembles. <i>Physical Review A</i> , 2006, 73, .	1.0	61

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145	Field Dependent Avalanche Ionization Rates in Dielectrics. Physical Review Letters, 2009, 102, 083001.	2.9	61
146	Optical gain in rotationally excited nitrogen molecular ions. Physical Review A, 2017, 96, .	1.0	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, .	1.0	60
148	Probing the Spatial Structure of a Molecular Attosecond Electron Wave Packet Using Shaped Recollision Trajectories. Physical Review Letters, 2011, 107, 093004.	2.9	60
149	Stopping a Vibrational Wave Packet with Laser-Induced Dipole Forces. Physical Review Letters, 2004, 92, 133002.	2.9	58
150	Shakeup Excitation during Optical Tunnel Ionization. Physical Review Letters, 2005, 94, 033003.	2.9	58
151	Trajectory-Resolved Coulomb Focusing in Tunnel Ionization of Atoms with Intense, Elliptically Polarized Laser Pulses. Physical Review Letters, 2013, 111, 023005.	2.9	58
152	Testing the Role of Recollision in $N_2$ Air Lasing. Physical Review Letters, 2018, 120, 133208.	2.9	58
153	Transient nanoplasmonics inside dielectrics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, S273-S282.	0.6	57
154	Electron-Electron Momentum Exchange in Strong Field Double Ionization. Physical Review Letters, 2003, 91, 123004.	2.9	56
155	Momentum space tomographic imaging of photoelectrons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 185402.	0.6	56
156	Attosecond pulses measured from the attosecond lighthouse. Nature Photonics, 2016, 10, 171-175.	15.6	56
157	Gating attosecond pulse train generation using multicolor laser fields. Physical Review A, 2010, 81, .	1.0	55
158	High harmonic generation with long-wavelength few-cycle laser pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 074008.	0.6	55
159	Laser-sub-cycle two-dimensional electron-momentum mapping using orthogonal two-color fields. Physical Review A, 2014, 90, .	1.0	55
160	Manipulating quantum paths for novel attosecond measurement methods. Nature Photonics, 2014, 8, 187-194.	15.6	54
161	Applications of ultrafast wavefront rotation in highly nonlinear optics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124004.	0.6	53
162	High-Order Harmonic Transient Grating Spectroscopy in a Molecular Jet. Physical Review Letters, 2008, 100, 143903.	2.9	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.	0.6	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.	0.6	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.	1.6	50
166	Linked attosecond phase interferometry for molecular frame measurements. <i>Nature Physics</i> , 2013, 9, 174-178.	6.5	49
167	Resistance of short pulses to self-focusing. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1994, 11, 492.	0.9	47
168	Nonperturbative harmonic generation in graphene from intense midinfrared pulsed light. <i>Physical Review B</i> , 2017, 96, .	1.1	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.	1.2	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.	0.6	44
171	Attosecond Temporal Gating with Elliptically Polarized Light. <i>Physical Review Letters</i> , 2006, 97, 253903.	2.9	43
172	Molecular science with strong laser fields. <i>Faraday Discussions</i> , 1999, 113, 47-59.	1.6	41
173	Frequency-resolved high-harmonic wavefront characterization. <i>Optics Letters</i> , 2009, 34, 3026.	1.7	40
174	Muonic Molecules in Superintense Laser Fields. <i>Physical Review Letters</i> , 2004, 93, 083602.	2.9	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.	0.6	38
176	Nonsequential double ionization of D <sub>2</sub> molecules with intense 20-fs pulses. <i>Physical Review A</i> , 2003, 67, .	1.0	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.	0.6	37
178	Polarization dependent nanostructuring of silicon with femtosecond vortex pulse. <i>APL Photonics</i> , 2017, 2, .	3.0	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.	0.6	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.	0.6	36

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181	Order-dependent structure of high harmonic wavefronts. <i>Optics Express</i> , 2012, 20, 13870.	1.7	36
182	Time-resolved high-harmonic spectroscopy of nonadiabatic dynamics in NO. $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mn} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mn} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle$ . <i>Physical Review A</i> , 2012, 85, .	1.0	36
183	Intense-Laser Solid State Physics: Unraveling the Difference between Semiconductors and Dielectrics. <i>Physical Review Letters</i> , 2017, 118, 173601.	2.9	36
184	Coulomb asymmetry and sub-cycle electron dynamics in multiphoton multiple ionization of H <sub>2</sub> . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 194011.	0.6	35
185	Generating few-cycle radially polarized pulses. <i>Optica</i> , 2019, 6, 160.	4.8	35
186	Nanometer resolution optical coherence tomography using broad bandwidth XUV and soft x-ray radiation. <i>Scientific Reports</i> , 2016, 6, 20658.	1.6	34
187	Molecular Frame Reconstruction Using Time-Domain Photoionization Interferometry. <i>Physical Review Letters</i> , 2017, 119, 083401.	2.9	34
188	Dissociation of molecular chlorine in a Coulomb explosion: Potential curves, bound states, and deviation from Coulombic behavior for Cl <sub>2</sub> <sup>n+</sup> (n=2,3,4,6,8,10). <i>Physical Review A</i> , 1999, 59, 4512-4521.	1.0	33
189	Attosecond electron thermalization by laser-driven electron recollision in atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, L305-L311.	0.6	33
190	Electron wavepacket control with elliptically polarized laser light in high harmonic generation from aligned molecules. <i>New Journal of Physics</i> , 2008, 10, 025015.	1.2	33
191	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.	0.6	33
192	Metastable Triply Charged Diatomic Molecules Produced with Femtosecond Pulses. <i>Physical Review Letters</i> , 1998, 81, 2217-2220.	2.9	32
193	Observation of Cooper minimum in krypton using high harmonic spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 074010.	0.6	32
194	High harmonic generation tomography of impurities in solids: Conceptual analysis. <i>Physical Review B</i> , 2018, 98, .	1.1	32
195	High-Harmonic Homodyne Detection of the Ultrafast Dissociation of Br <sub>2</sub> Molecules. <i>Physical Review Letters</i> , 2010, 105, 103002.	2.9	31
196	A simple mode-locking technique for large-aperture TEA CO <sub>2</sub> lasers. <i>Applied Physics Letters</i> , 1977, 30, 148-150.	1.5	30
197	Self-Focusing of 10.6- $\mu$ m Radiation in an Underdense Plasma. <i>Physical Review Letters</i> , 1980, 45, 1260-1263.	2.9	30
198	Near-infrared femtosecond laser machining initiated by ultraviolet multiphoton ionization. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	30

#	ARTICLE	IF	CITATIONS
199	Harmonic generation in solids with direct fiber laser pumping. Optics Letters, 2017, 42, 1113.	1.7	30
200	Coherent control of ultrafast extreme ultraviolet transient absorption. Nature Photonics, 2022, 16, 45-51.	15.6	30
201	Attosecond science and technology. Canadian Journal of Physics, 2006, 84, 1-18.	0.4	29
202	Reconfigurable electronic circuits for magnetic fields controlled by structured light. Nature Photonics, 2021, 15, 622-626.	15.6	29
203	Backscatter and beam refraction in underdense gas breakdown with nanosecond CO <sub>2</sub> laser. Journal of Applied Physics, 1977, 48, 3727-3732.	1.1	27
204	Formation and measurement of molecular quantum picostructures. Physical Review A, 1997, 55, R3319-R3322.	1.0	27
205	Photon-momentum transfer in photoionization: From few photons to many. Physical Review A, 2017, 95, .	1.0	27
206	Spatiotemporal imaging of valence electron motion. Nature Communications, 2019, 10, 1042.	5.8	27
207	Probing multiphoton light-induced molecular potentials. Nature Communications, 2020, 11, 2596.	5.8	26
208	Ultrafast multiphoton forest fires and fractals in clusters and dielectrics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, L57-L67.	0.6	25
209	Self-controlled formation of microlenses by optical breakdown inside wide-band-gap materials. Applied Physics Letters, 2008, 93, .	1.5	25
210	Femtosecond streaking in ambient air. Optica, 2020, 7, 1372.	4.8	25
211	Femtosecond laser writing of porous capillaries inside fused silica glass. Optics Letters, 2007, 32, 1459.	1.7	24
212	Integrating solids and gases for attosecond pulse generation. Nature Photonics, 2017, 11, 594-599.	15.6	24
213	Ultrafast Dissociation of Metastable $\text{CO}^2$ in a Dimer. Physical Review Letters, 2017, 118, 153001.	2.9	24
214	Wannier quasi-classical approach to high harmonic generation in semiconductors. Optica, 2020, 7, 1764.	4.8	24
215	High-power subnanosecond pulses from an injection mode-locked multiatmosphere CO <sub>2</sub> oscillator. Applied Physics Letters, 1978, 32, 27-29.	1.5	23
216	Solvent dependent characteristics of XeCl pumped UV dye lasers. Applied Physics Berlin, 1981, 25, 17-22.	1.4	23

#	ARTICLE	IF	CITATIONS
217	Multiphoton ionization of inertially confined molecular ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1993, 26, 2323-2334.	0.6	23
218	High-harmonic transient grating spectroscopy of NO <sub>2</sub> electronic relaxation. <i>Journal of Chemical Physics</i> , 2012, 137, 224303.	1.2	23
219	Femtosecond laser nanomachining initiated by ultraviolet multiphoton ionization. <i>Optics Express</i> , 2013, 21, 24185.	1.7	23
220	Chiral high-harmonic generation and spectroscopy on solid surfaces using polarization-tailored strong fields. <i>Nature Communications</i> , 2021, 12, 3723.	5.8	23
221	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.	0.6	22
222	Attosecond lighthouse driven by sub-two-cycle, 1.8 $\mu\text{m}$ laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 061001.	0.6	22
223	High-harmonic generation in metallic titanium nitride. <i>Nature Communications</i> , 2021, 12, 4981.	5.8	22
224	Measured field-free alignment of deuterium by few-cycle pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 4081-4086.	0.6	21
225	Control of energy deposition in femtosecond laser dielectric interactions. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	21
226	Streak Camera for Strong-Field Ionization. <i>Physical Review Letters</i> , 2017, 119, 183201.	2.9	21
227	25 TW, two-cycle IR laser pulses via frequency domain optical parametric amplification. <i>Optics Express</i> , 2017, 25, 27706.	1.7	21
228	Tesla-Scale Terahertz Magnetic Impulses. <i>Physical Review X</i> , 2020, 10, .	2.8	21
229	Controlled switching of 10-micrometer radiation using semiconductor Åtalons. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1985, 2, 1873.	0.9	20
230	The Attosecond Revolution. <i>Optics and Photonics News</i> , 2008, 19, 24.	0.4	20
231	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.	1.2	20
232	Selection of high-power nanosecond pulses from large-aperture CO <sub>2</sub> oscillators. <i>Applied Physics Letters</i> , 1979, 35, 147-149.	1.5	19
233	Direct autocorrelation measurements of mid-infrared picosecond pulses by quantum-well devices. <i>Optics Letters</i> , 1995, 20, 1886.	1.7	19
234	Spatially controlled nano-structuring of silicon with femtosecond vortex pulses. <i>Scientific Reports</i> , 2020, 10, 12643.	1.6	19

#	ARTICLE	IF	CITATIONS
235	Conversion of high-power 15-fs visible pulses to the mid infrared. <i>Optics Letters</i> , 2001, 26, 99.	1.7	18
236	<title>Advanced laser microfabrication of photonic components</title>. , 2000, 4088, 345.		17
237	Generation and complete characterization of intense mid-infrared ultrashort pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 332.	0.9	17
238	Alignment independence of the instantaneous ionization rate for nitrogen molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, L159-L166.	0.6	17
239	Phase sensitivity of high harmonic transient grating spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 065401.	0.6	17
240	Fabricating nanostructures on fused silica using femtosecond infrared pulses combined with sub-nanojoule ultraviolet pulses. <i>Optics Letters</i> , 2014, 39, 5638.	1.7	17
241	Symmetry of molecular Rydberg states revealed by XUV transient absorption spectroscopy. <i>Nature Communications</i> , 2019, 10, 5269.	5.8	17
242	Electron-beam-controlled transmission of $10\text{Å}$ $1/4\text{m}$ radiation in semiconductors. <i>Journal of Applied Physics</i> , 1979, 50, 3079-3082.	1.1	16
243	20-J nanosecond-pulse CO <sub>2</sub> laser system based on an injection-mode-locked oscillator. <i>Optics Letters</i> , 1980, 5, 333.	1.7	16
244	Transient Response Of Metals To Ultrashort Pulse Excitation. <i>Optical Engineering</i> , 1989, 28, 1114.	0.5	16
245	High-Pressure Gas Phase Femtosecond Laser Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 5633-5640.	3.2	16
246	Octave-spanning hyperspectral coherent diffractive imaging in the extreme ultraviolet range. <i>Optics Express</i> , 2015, 23, 28960.	1.7	16
247	Threshold photodissociation dynamics of NO <sub>2</sub> studied by time-resolved cold target recoil ion momentum spectroscopy. <i>Journal of Chemical Physics</i> , 2019, 151, 174301.	1.2	16
248	Vectorizing the spatial structure of high-harmonic radiation from gas. <i>Nature Communications</i> , 2019, 10, 2020.	5.8	16
249	Clocking Enhanced Ionization of Hydrogen Molecules with Rotational Wave Packets. <i>Physical Review Letters</i> , 2020, 125, 173201.	2.9	16
250	Light amplification by seeded Kerr instability. <i>Science</i> , 2018, 359, 673-675.	6.0	15
251	Intensity and pressure effects in infrared multiphoton dissociation. Photolysis of hexafluoroacetone and trifluoromethyl bromide with 2-ns laser pulses. <i>The Journal of Physical Chemistry</i> , 1981, 85, 1152-1155.	2.9	13
252	Attosecond dynamics using sub-laser-cycle electron pulses. <i>Journal of Modern Optics</i> , 2005, 52, 453-464.	0.6	13

#	ARTICLE	IF	CITATIONS
253	Generation of 11 fs pulses by using hollow-core gas-filled fibers at a 100 kHz repetition rate. Optics Letters, 2006, 31, 3185.	1.7	13
254	Molecular alignment using circularly polarized laser pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 201001.	0.6	13
255	Non-dipole recollision-gated double ionization and observable effects. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 225602.	0.6	13
256	Strong field processes inside gallium arsenide. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 204025.	0.6	12
257	Alignment Dependent Enhancement of the Photoelectron Cutoff for Multiphoton Ionization of Molecules. Physical Review Letters, 2014, 112, 253001.	2.9	12
258	Producing and controlling half-cycle near-infrared electric-field transients. Optica, 2017, 4, 826.	4.8	12
259	Short- and long-term gain dynamics in $N_2$ air lasing. Physical Review A, 2019, 100, .	1.0	12
260	Recent Developments in High Power CO2 Laser Mode-Locking and Pulse Selection. , 1977, , 143-160.		12
261	High Energy Picosecond 10 $\mu\text{m}$ Pulses. Proceedings of SPIE, 1986, , .	0.8	11
262	High harmonic generation with a spatially filtered optical parametric amplifier. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 245602.	0.6	11
263	Theory of high-harmonic generation in solids. Journal of Physics: Conference Series, 2015, 594, 012021.	0.3	11
264	Controlling attosecond angular streaking with second harmonic radiation. Optics Letters, 2015, 40, 1768.	1.7	11
265	Insitupair of optoelectronic devices with femtosecond laser pulses. Semiconductor Science and Technology, 2000, 15, L15-L18.	1.0	10
266	Hole-assisted energy deposition in dielectrics and clusters in the multiphoton regime. Journal of Modern Optics, 2005, 52, 1019-1030.	0.6	10
267	Strong field ionization inside transparent solids. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, S397-S407.	0.6	10
268	Wavelength scaling of high harmonic generation for 267 nm, 400 nm and 800 nm driving laser pulses. Journal of Physics Communications, 2017, 1, 015009.	0.5	10
269	Generation of structured coherent extreme ultraviolet beams from an MgO crystal. Optics Express, 2021, 29, 24161.	1.7	10
270	Spin-constrained orbital-angular-momentum control in high-harmonic generation. Physical Review Research, 2019, 1, .	1.3	10



#	ARTICLE	IF	CITATIONS
271	Corkum et al. reply. Physical Review Letters, 1990, 64, 1847-1847.	2.9	9
272	Subcycle spatial mapping of recollision dynamics. Physical Review A, 2009, 80, .	1.0	9
273	The two-electron attosecond streak camera for time-resolving intra-atomic collisions. New Journal of Physics, 2010, 12, 103024.	1.2	9
274	Perturbative High Harmonic Wave Front Control. Physical Review Letters, 2017, 118, 033905.	2.9	9
275	Dynamic wavefront rotation in the attosecond lighthouse. Optica, 2017, 4, 48.	4.8	9
276	Near-field imaging for single-shot waveform measurements. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 065603.	0.6	9
277	Reconfigurable terahertz metasurfaces coherently controlled by wavelength-scale-structured light. Nanophotonics, 2022, 11, 787-795.	2.9	9
278	Spatiotemporal sampling of near-petahertz vortex fields. Optica, 2022, 9, 755.	4.8	9
279	Few-cycle Yb laser source at 20 kHz using multidimensional solitary states in hollow-core fibers. Optics Letters, 2022, 47, 3612.	1.7	9
280	Femtosecond lasers and their implications for materials processing. , 1998, , .		8
281	Measuring nuclear wave functions by laser Coulomb explosion imaging. International Journal of Quantum Chemistry, 1999, 75, 951-959.	1.0	8
282	Transient phase masks in high-harmonic generation. Optics Letters, 2007, 32, 436.	1.7	8
283	Attosecond measurement via high-order harmonic generation in low-frequency fields. Physical Review A, 2022, 105, .	1.0	8
284	A one joule, XeCl pumped dye laser. Applied Physics Berlin, 1981, 26, 31-32.	1.4	7
285	Control of Femtosecond Laser Ablation of Thin Films from a Dielectric Surface by Nonlinear Interaction with the Substrate. Physical Review Applied, 2014, 2, .	1.5	7
286	Femtosecond time-domain observation of atmospheric absorption in the near-infrared spectrum. Physical Review A, 2016, 94, .	1.0	7
287	Control of $N^2$ air lasing. Physical Review A. 2020. 102. .	1.0	7
288	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.	0.6	7

#	ARTICLE	IF	CITATIONS
289	High-harmonic generation in solids driven by counter-propagating pulses. <i>Optics Express</i> , 2019, 27, 32630.	1.7	7
290	Active stabilization of terahertz waveforms radiated from a two-color air plasma. <i>Photonics Research</i> , 2022, 10, 96.	3.4	7
291	Extra-cavity feedback into unstable resonators. <i>Applied Optics</i> , 1979, 18, 1346.	2.1	6
292	Harmonics to quicken the pulse. <i>Nature</i> , 1996, 384, 118-119.	13.7	6
293	Probing the electronic structure of molecules with high harmonics. <i>Journal of Modern Optics</i> , 2006, 53, 185-192.	0.6	6
294	Theory of Kerr instability amplification. <i>Optica</i> , 2018, 5, 271.	4.8	6
295	Anomalous Diffusion in a Magnetized Plasma. <i>Physical Review Letters</i> , 1973, 31, 809-811.	2.9	5
296	Experimental attosecond science makes its debut. <i>Physics World</i> , 2000, 13, 23-24.	0.0	5
297	Production and Study of Triply Charged Diatomic Ions with Femtosecond Pulses: Application to $\text{Ar}^{3+}$ . <i>Journal of Physical Chemistry A</i> , 2001, 105, 2435-2443.	1.1	5
298	An STM for molecules and wide-bandgap crystal. <i>Laser Physics</i> , 2009, 19, 1697-1704.	0.6	5
299	Publisher's Note: Probing Polar Molecules with High Harmonic Spectroscopy [Phys. Rev. Lett. 109, 233904 (2012)]. <i>Physical Review Letters</i> , 2012, 109, .	2.9	5
300	Femtosecond laser desorption of ultrathin polymer films from a dielectric surface. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	5
301	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.	0.2	5
302	Full characterization of an attosecond pulse generated using an infrared driver. <i>Scientific Reports</i> , 2016, 6, 26771.	1.6	5
303	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, .	1.0	5
304	Delay measurement of attosecond emission in solids. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 124001.	0.6	5
305	Multiphoton laser-induced confined chemical changes in polymer films. <i>Optics Express</i> , 2020, 28, 11267.	1.7	5
306	Near-field imaging of dipole emission modulated by an optical grating. <i>Optica</i> , 2021, 8, 1632.	4.8	5

#	ARTICLE	IF	CITATIONS
307	Energy deposition and incubation effects of nonlinear absorption of ultrashort laser pulses in dielectrics. Optics Express, 2022, 30, 10317.	1.7	5
308	Probing plasma dynamics. Nature Photonics, 2008, 2, 272-273.	15.6	4
309	Interferometric time delay correction for Fourier transform spectroscopy in the extreme ultraviolet. Journal of Modern Optics, 2016, 63, 1661-1667.	0.6	4
310	The Wake of a Rising Bubble. Nature, 1963, 200, 354-355.	13.7	3
311	<title>Contrasts in writing photonic structures with ultrafast and ultraviolet lasers</title> . , 2002, , .		3
312	Femtosecond laser-induced long-range self-organized periodic planar nanocracks for applications in biophotonics. , 2007, , .		3
313	Unified<i>ab initio</i>treatment of attosecond photoionization and Compton scattering. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 205601.	0.6	3
314	High refractive index modification of SiO<sub>2</sub> created by femtosecond laser nanostructuring. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 125401.	0.6	3
315	Streaking strong-field double ionization. Physical Review A, 2019, 100, .	1.0	3
316	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.	0.6	3
317	Self-Focusing and Continuum Generation in Gases. , 1989, , 318-336.		3
318	Mapping complex polarization states of light on a solid. Optics Letters, 2018, 43, 5757.	1.7	3
319	Generation and Amplification of Short $10^{14}$ W Pulses. Springer Series in Chemical Physics, 1978, , 308-312.	0.2	3
320	Perspective on phase-controlled currents in semiconductors driven by structured light. Applied Physics Letters, 2022, 120, .	1.5	3
321	Very high power laser pulses. AIP Conference Proceedings, 1985, , .	0.3	2
322	Fully differential rates for femtosecond multiphoton double ionization of neon. , 2004, , .		2
323	Femtosecond laser-induced nanostructures in fused silica. , 2005, 5971, 323.		2
324	Rewritable nanogratings in fused silica using a focused femtosecond laser beam. , 2006, , .		2

#	ARTICLE	IF	CITATIONS
325	Frequency-resolved optical gating for time-resolving knockout in double ionization with attosecond pulses. <i>Physical Review A</i> , 2012, 86, .	1.0	2
326	Damage formation on fused silica illuminated with ultraviolet-infrared femtosecond pulse pairs. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
327	High harmonics diffraction caused by an ellipticity grating. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 094002.	0.6	2
328	Single-shot dispersion sampling for optical pulse reconstruction. <i>Optics Express</i> , 2021, 29, 11845.	1.7	2
329	Enhanced Ionization of Molecular Ions in Intense Laser Fields: Experiments on the Iodine Molecule. <i>Springer Series in Chemical Physics</i> , 1996, , 105-106.	0.2	2
330	Coulomb blocking of sequential tunnel ionization in complex systems. <i>JPhys Photonics</i> , 2020, 2, 034007.	2.2	2
331	Attosecond Science. <i>Physica Scripta</i> , 2004, 110, 112.	1.2	2
332	N <sub>2</sub> laser-controlled semiconductor switching of 10 <sup>-14</sup> m radiation. <i>Journal of Applied Physics</i> , 1979, 50, 5652-5654.	1.1	1
333	The Interaction Of High-Power, Femtosecond Pulses With Gases. , 1988, 0913, 153.		1
334	<title>Phase control of ionization in a strong laser field and measurement of subfemtosecond pulse duration</title>. , 1996, , .		1
335	Writing buried optical waveguides: Contrasts in ultrafast and ultraviolet lasers. , 2002, , .		1
336	Optically Timed Submillimeter Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 262-266.	3.2	1
337	Observing the Birth of Attosecond Pulses. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2006, 26, 359-364.	0.4	1
338	Crystal structure measured by nonlinear absorption using 3.1 <sup>14</sup> m femtosecond laser pulses. , 2011, , .		1
339	Following a chemical reaction using high harmonic spectroscopy. , 2011, , .		1
340	Creating high-harmonic beams with controlled orbital angular momentum. , 2014, , .		1
341	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
342	Perturbing laser field dependent high harmonic phase modulations. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 125601.	0.6	1

#	ARTICLE	IF	CITATIONS
343	Vectorized optoelectronic control. , 2020, , .		1
344	Surface adhesion of back-illuminated ultrafast laser-treated polymers. Physical Review Materials, 2021, 5, .	0.9	1
345	Single Image Measurement of an Isolated Attosecond Pulse. , 2021, , .		1
346	Controlling High-Harmonic Generation via Molecular Alignment. Springer Series in Optical Sciences, 2004, , 247-251.	0.5	1
347	Studying the Electronic Structure of Molecules with High Harmonic Spectroscopy. Springer Series in Optical Sciences, 2013, , 159-190.	0.5	1
348	Centrifugal Dissociation of a Molecule Using the Optical Centrifuge. Springer Series in Chemical Physics, 2001, , 326-330.	0.2	1
349	High-Harmonic Generation: The Route to Attosecond Pulses. Springer Series in Chemical Physics, 1994, , 29-33.	0.2	1
350	A Wannier Perspective On High Harmonic Generation In Solids. , 2019, , .		1
351	Ultrashort Pulse Multiphoton Ionization of Xenon at Moderate Pressures. , 1988, , 157-163.		1
352	Plasmonic-Enhanced High Harmonic Generation from Bulk Silicon. , 2016, , .		1
353	Disentangling interferences in the photoelectron momentum distribution from strong-field ionization. Physical Review A, 2022, 106, .	1.0	1
354	Generators for the production of single bubbles. Journal of Physics E: Scientific Instruments, 1969, 2, 339-342.	0.7	0
355	Nonequilibrium thermodynamic relation between the diffusion and conductivity tensors in a magnetized plasma. Physics of Fluids, 1973, 16, 1542.	1.4	0
356	Search for nonthermal electron density fluctuations by light scattering. Physical Review A, 1976, 13, 1557-1562.	1.0	0
357	Applications of ps-pulses. Applied Physics B: Lasers and Optics, 1982, 28, 246-254.	1.1	0
358	Strong fields molecular optics. AIP Conference Proceedings, 2000, , .	0.3	0
359	Tomographic imaging of electron orbital using high-harmonic generation. , 2005, , .		0
360	Attosecond and Angstrom precision measurements of a Molecule's Electrons. , 2005, , JME2.		0

#	ARTICLE	IF	CITATIONS
361	Dynamic Molecular Imaging. Springer Series in Chemical Physics, 2005, , 139-143.	0.2	0
362	Coherent cooling of molecular vibrational motion with laser-induced dipole forces. Springer Series in Chemical Physics, 2005, , 855-857.	0.2	0
363	Control and Measurement of attosecond pulses. , 2006, , .		0
364	Self-Focusing and Continuum Generation in Gases. , 2006, , 318-336.		0
365	<title>Tomographic imaging of molecular orbitals using high harmonic generation</title>. , 2006, , .		0
366	Direct writing of nanoporous capillaries inside fused silica using a focused femtosecond laser beam. , 2006, , .		0
367	Multiphoton Interaction of Light with Dielectrics. , 2006, , .		0
368	Measuring attosecond ionization dynamics inside dielectrics. , 2007, , .		0
369	High-order harmonic generation experiments with IR laser pulses. , 2007, 6703, 97.		0
370	Femtosecond Laser Nanomachining Applications in Fused Silica. , 2007, , .		0
371	Memory in nonlinear ionization of transparent dielectrics. , 2007, , .		0
372	Cold avalanche ionisation. , 2009, , .		0
373	Versatile approach for frequency resolved wavefront characterization. Proceedings of SPIE, 2011, , .	0.8	0
374	Greetings from the new Editor-in-Chief. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 010202.	0.6	0
375	Millijoule-level CEP stable 1.8 &#x00B5;m 1.6 cycle laser pulses. , 2011, , .		0
376	Revealing the giant resonance in Xe via HHG with sub-two cycle 1.8 &#x00B5;m laser pulses. , 2011, , .		0
377	Spatial control of electronic wave packets with attosecond precision. Journal of Physics: Conference Series, 2012, 388, 032069.	0.3	0
378	Attosecond science and technology. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
379	Attosecond spatial control of ionizing electron wave packets. , 2013, , .		0
380	Carrier envelope phase effects in strong field ionization of xenon with few-cycle 1.8 $\mu\text{m}$ laser pulses. EPJ Web of Conferences, 2013, 41, 02011.	0.1	0
381	Femtosecond Laser Desorption of Thin Polymer Films from a Dielectric Surface. MATEC Web of Conferences, 2013, 8, 02004.	0.1	0
382	Control of atomic single and double ionization dynamics using orthogonally polarized two-color laser pulses. Journal of Physics: Conference Series, 2014, 488, 032011.	0.3	0
383	Imaging mass spectrometry at ambient pressure using femtosecond laser pulses. , 2015, , .		0
384	High harmonic generation in solids: Electronic motion and band structures revealed. , 2016, , .		0
385	Reply to Comment on "Time delays in molecular photoionization". Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 078003.	0.6	0
386	Multi-dimensional control and optimization of ultrafast laser material processing. , 2017, , .		0
387	The response of transparent materials to intense ultrashort light pulses. , 2017, , .		0
388	Femtosecond-Laser-Induced Blister Formation on Polymer Thin Films. , 2019, , .		0
389	Signatures of Light-Induced Potential Energy Surfaces in $\text{H}_2^+$ . Journal of Physics: Conference Series, 2020, 1412, 092017.	0.3	0
390	Laser-driven solenoidal currents for ultrafast magnetic field excitation. , 2020, , .		0
391	Chiral solid-state high-harmonic generation and spectroscopy with polarization-tailored strong fields. , 2021, , .		0
392	Reconfigurable semiconductor currents driven by ultrafast coherent control with structured light. , 2021, , .		0
393	In Situ Measurement of the Cooper Minimum in Argon. , 2021, , .		0
394	High-harmonic Generation in Metallic Titanium Nitride. , 2021, , .		0
395	Centrifugal dissociation of a molecule using the optical centrifuge. , 2000, , .		0
396	Methods for Complete Characterization of Single Attosecond Pulses. Springer Series in Chemical Physics, 2003, , 8-10.	0.2	0

#	ARTICLE	IF	CITATIONS
397	Temporal Characterization of Attosecond Pulses. Springer Series in Optical Sciences, 2004, , 259-270.	0.5	0
398	Memory and Nanostructure Formation in the Intense Field Ionization of Fused Silica. , 2006, , .		0
399	Measurement and control of attosecond pulse formation. Springer Series in Chemical Physics, 2007, , 21-23.	0.2	0
400	Applications of Femtosecond Laser-Induced Self-Assembled Nanocracks in Fused Silica Glass. , 2007, , .		0
401	Memory and Nanostructure Formation in the Intense Field Ionization of Fused Silica. Springer Series in Chemical Physics, 2007, , 680-682.	0.2	0
402	High-contrast pump-probe spectroscopy with high-order harmonics. , 2009, , .		0
403	Spontaneous Micro-Lens Formation and Reduction of Multiphoton Ionization inside Dielectrics. , 2009, , .		0
404	Intense Field Science in Dielectrics. , 2009, , .		0
405	Ultrafast Multiphoton Crystallography. Springer Series in Chemical Physics, 2009, , 69-71.	0.2	0
406	Time-Resolved High-Harmonic Spectroscopy of Photochemical Dynamics. , 2010, , .		0
407	Direct measurement of laser-induced electron tunneling. , 2010, , .		0
408	Sub two-cycle pulse compression at 1.8 Åµm with bulk material. , 2010, , .		0
409	Towards CEP stable, single-cycle pulse compression with bulk material. , 2010, , .		0
410	Spectral Wavefront Optical Reconstruction by Diffraction. , 2010, , .		0
411	Intense Field Science in Dielectrics. , 2010, , .		0
412	Towards CEP stable sub two cycle IR pulse compression with bulk material. , 2010, , .		0
413	Sub-millijoule CEP stable 1.6 cycle laser pulses at 1.8 Åµm. , 2011, , .		0
414	Interferometric Carrier Envelope Phase Control of Few-Cycle IR Pulses. , 2012, , .		0



#	ARTICLE	IF	CITATIONS
415	Theoretical analysis of high order harmonic generation from bulk crystals. , 2013, , .		0
416	Femtosecond Laser Desorption of Thin Polymer Films from a Dielectric Surface. , 2013, , .		0
417	Generation of Intense 20-fs Pulses and Their Application in Multiphoton Ionization. Springer Series in Chemical Physics, 1988, , 8-11.	0.2	0
418	Inertially Confined Molecular Ions. Springer Series in Chemical Physics, 1993, , 261-263.	0.2	0
419	Coulomb Explosion Imaging of H <sub>2</sub> +. Springer Series in Chemical Physics, 1998, , 447-449.	0.2	0
420	Attosecond Spatial Control of Electron Wave Packet Emission Dynamics. Springer Proceedings in Physics, 2015, , 113-117.	0.1	0
421	Localized High Harmonic Generation in Semiconductor Nanostructures. , 2016, , .		0
422	Crystal Band Structure Revealed by High Harmonic Spectroscopy. , 2016, , .		0
423	Linking high harmonics from gases and bulk solids. , 2016, , .		0
424	Harmonic Generation in Graphene and Carbon Nanotubes. , 2016, , .		0
425	Harmonic Generation in Solids from a Fiber Laser. , 2017, , .		0
426	Holographic generation of high-harmonic vortex beams. , 2017, , .		0
427	Tailoring Semiconductors for High Harmonic Generation. , 2017, , .		0
428	Frequency domain Nonlinear Optics. , 2017, , .		0
429	High-efficiency radially-polarized pulses compression. , 2019, , .		0
430	Coherent Control with Vector Beams for Ultrafast Magnetic Pulses. , 2020, , .		0
431	Controlling N+ Lasing. , 2020, , .		0
432	Hydrophobicity of Back-Illuminated Polymer Film Surfaces. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
433	A Novel Method for Characterizing Isolated Attosecond Pulses. , 2020, , .		0
434	Nanoscale polymer blister formation using single femtosecond pulses. , 2020, , .		0
435	Novel Method of Attosecond Pulse Measurement by using Carrier-Envelope-Phase Dependence. , 2021, , .		0