

David M Villeneuve

List of Publications by Year in descending order

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246
papers

18,491
citations

10986

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133
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252
all docs

252
docs citations

252
times ranked

5278
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent control of ultrafast extreme ultraviolet transient absorption. Nature Photonics, 2022, 16, 45-51.	31.4	30
2	Disentangling interferences in the photoelectron momentum distribution from strong-field ionization. Physical Review A, 2022, 106, .	2.5	1
3	Single-shot dispersion sampling for optical pulse reconstruction. Optics Express, 2021, 29, 11845.	3.4	2
4	High-harmonic generation in metallic titanium nitride. Nature Communications, 2021, 12, 4981.	12.8	22
5	Complete characterization of attosecond photoelectron wave packets. Physical Review A, 2021, 104, .	2.5	2
6	Signatures of Light-Induced Potential Energy Surfaces in H ₂ ⁺ . Journal of Physics: Conference Series, 2020, 1412, 092017.	0.4	0
7	Clocking Enhanced Ionization of Hydrogen Molecules with Rotational Wave Packets. Physical Review Letters, 2020, 125, 173201.	7.8	16
8	Control of N^{2+} air lasing. Physical Review A, 2020, 102, .	2.5	7
9	Population transfer to high angular momentum states in infrared-assisted XUV photoionization of helium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 164003.	1.5	5
10	Selection of the magnetic quantum number in resonant ionization of neon using an XUV+IR two-color laser field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 134002.	1.5	8
11	Nitrogen Laser Emissions of Short and Long Durations Generated in Air. IEEE Transactions on Plasma Science, 2020, 48, 647-657.	1.3	0
12	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
13	Probing multiphoton light-induced molecular potentials. Nature Communications, 2020, 11, 2596.	12.8	26
14	Femtosecond streaking in ambient air. Optica, 2020, 7, 1372.	9.3	25
15	High conversion efficiency of an optical parametric amplifier pumped by 1 kHz Ti:Sapphire laser pulses for tunable high-harmonic generation. Optics Express, 2020, 28, 4088.	3.4	3
16	Symmetry of Molecular Rydberg States Revealed by XUV Transient Absorption Spectroscopy. , 2020, , .		0
17	Short- and long-term gain dynamics in N^{2+} air lasing. Physical Review A, 2019, 100, .	2.5	12
18	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

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19	Streaking strong-field double ionization. <i>Physical Review A</i> , 2019, 100, .	2.5	3
20	Attosecond imaging of molecules using high harmonic spectroscopy. <i>Nature Reviews Physics</i> , 2019, 1, 144-155.	26.6	79
21	Spatiotemporal imaging of valence electron motion. <i>Nature Communications</i> , 2019, 10, 1042.	12.8	27
22	Non-Born-Oppenheimer electronic wave packet in molecular nitrogen at 14 eV probed by time-resolved photoelectron spectroscopy. <i>Physical Review A</i> , 2019, 99, .	2.5	5
23	Symmetry of molecular Rydberg states revealed by XUV transient absorption spectroscopy. <i>Nature Communications</i> , 2019, 10, 5269.	12.8	17
24	High-harmonic generation in solids driven by counter-propagating pulses. <i>Optics Express</i> , 2019, 27, 32630.	3.4	7
25	Near-field imaging for single-shot waveform measurements. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 065603.	1.5	9
26	Attosecond science. <i>Contemporary Physics</i> , 2018, 59, 47-61.	1.8	29
27	Transient gain from N_2 in light filaments. <i>Physical Review A</i> , 2018, 98, .	2.5	27
28	Strong-field optoelectronics in solids. <i>Nature Photonics</i> , 2018, 12, 465-468.	31.4	80
29	Controlling High Harmonic Generation in Tailored Semiconductors. , 2018, , .		0
30	Coherent imaging of an attosecond electron wave packet. <i>Science</i> , 2017, 356, 1150-1153.	12.6	97
31	Plasmon-enhanced high-harmonic generation from silicon. <i>Nature Physics</i> , 2017, 13, 659-662.	16.7	194
32	Integrating solids and gases for attosecond pulse generation. <i>Nature Photonics</i> , 2017, 11, 594-599.	31.4	24
33	Molecular Frame Reconstruction Using Time-Domain Photoionization Interferometry. <i>Physical Review Letters</i> , 2017, 119, 083401.	7.8	34
34	Wavelength scaling of high harmonic generation for 267 nm, 400 nm and 800 nm driving laser pulses. <i>Journal of Physics Communications</i> , 2017, 1, 015009.	1.2	10
35	Ultrafast Dissociation of Metastable CO_2 in a Dimer. <i>Physical Review Letters</i> , 2017, 118, 153001.	7.8	24
36	Tailored semiconductors for high-harmonic optoelectronics. <i>Science</i> , 2017, 357, 303-306.	12.6	173

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37	Reply to Comment on "Time delays in molecular photoionization". Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 078003.	1.5	0
38	Streak Camera for Strong-Field Ionization. Physical Review Letters, 2017, 119, 183201.	7.8	21
39	Tailored high-harmonic generation in nanostructured semiconductors. , 2017, , .		0
40	Producing and controlling half-cycle near-infrared electric-field transients. Optica, 2017, 4, 826.	9.3	12
41	Femtosecond time-domain observation of atmospheric absorption in the near-infrared spectrum. Physical Review A, 2016, 94, .	2.5	7
42	Interferometric time delay correction for Fourier transform spectroscopy in the extreme ultraviolet. Journal of Modern Optics, 2016, 63, 1661-1667.	1.3	4
43	<i>In situ</i> attosecond pulse characterization techniques to measure the electromagnetic phase. Physical Review A, 2016, 94, .	2.5	12
44	Full characterization of an attosecond pulse generated using an infrared driver. Scientific Reports, 2016, 6, 26771.	3.3	5
45	Time delay in molecular photoionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 095602.	1.5	68
46	Attosecond pulses measured from the attosecond lighthouse. Nature Photonics, 2016, 10, 171-175.	31.4	56
47	High harmonics and attosecond pulses; Seeing inside molecules. , 2015, , .		0
48	Contribution of multiple electron trajectories to high-harmonic generation in the few-cycle regime. Physical Review A, 2015, 91, .	2.5	8
49	Octave-spanning hyperspectral coherent diffractive imaging in the extreme ultraviolet range. Optics Express, 2015, 23, 28960.	3.4	16
50	Attosecond lighthouse driven by sub-two-cycle, 1.8 μm laser pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 061001.	1.5	22
51	To the extreme. Nature Physics, 2015, 11, 529-530.	16.7	3
52	Controlling attosecond angular streaking with second harmonic radiation. Optics Letters, 2015, 40, 1768.	3.3	11
53	Excited state dynamics in SO ₂ . I. Bound state relaxation studied by time-resolved photoelectron-photoion coincidence spectroscopy. Journal of Chemical Physics, 2014, 140, 204301.	3.0	41
54	Manipulating quantum paths for novel attosecond measurement methods. Nature Photonics, 2014, 8, 187-194.	31.4	54

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55	Strong field processes inside gallium arsenide. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 204025.	1.5	12
56	Signatures of the continuum electron phase in molecular strong-field photoelectron holography. Nature Physics, 2014, 10, 594-600.	16.7	150
57	Alignment Dependent Enhancement of the Photoelectron Cutoff for Multiphoton Ionization of Molecules. Physical Review Letters, 2014, 112, 253001.	7.8	12
58	Applications of ultrafast wavefront rotation in highly nonlinear optics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124004.	1.5	53
59	Photonic streaking of attosecond pulse trains. Nature Photonics, 2013, 7, 651-656.	31.4	126
60	Petahertz optical oscilloscope. Nature Photonics, 2013, 7, 958-962.	31.4	163
61	Trajectory-Resolved Coulomb Focusing in Tunnel Ionization of Atoms with Intense, Elliptically Polarized Laser Pulses. Physical Review Letters, 2013, 111, 023005.	7.8	58
62	High harmonic cutoff energy scaling and laser intensity measurement with a 1.8 μm laser source. Journal of Modern Optics, 2013, 60, 1458-1465.	1.3	18
63	Linked attosecond phase interferometry for molecular frame measurements. Nature Physics, 2013, 9, 174-178.	16.7	49
64	Laser-induced orbital projection and diffraction of O-2 with velocity map imaging. Journal of Modern Optics, 2013, 60, 1395-1408.	1.3	5
65	Manipulation of quantum paths for space-time characterization of attosecond pulses. Nature Physics, 2013, 9, 159-163.	16.7	94
66	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
67	Studying the Electronic Structure of Molecules with High Harmonic Spectroscopy. Springer Series in Optical Sciences, 2013, , 159-190.	0.7	1
68	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
69	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
70	High-harmonic transient grating spectroscopy of NO ₂ electronic relaxation. Journal of Chemical Physics, 2012, 137, 224303.	3.0	23
71	Order-dependent structure of high harmonic wavefronts. Optics Express, 2012, 20, 13870.	3.4	36
72	All-Optical Measurement of High-Harmonic Amplitudes and Phases in Aligned Molecules. Physical Review Letters, 2012, 108, 033903.	7.8	44

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73	Time-resolved high-harmonic spectroscopy of nonadiabatic dynamics in NO $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow /> \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$. Physical Review A, 2012, 85, .	2.5	36
74	Revealing the Cooper minimum of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \langle \text{mml:mi} \mathbf{N} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ by Molecular Frame High-Harmonic Spectroscopy. Physical Review Letters, 2012, 109, 143001.	7.8	63
75	Publisher's Note: Probing Polar Molecules with High Harmonic Spectroscopy [Phys. Rev. Lett. 109 (2012)]. Physical Review Letters, 2012, 109, .	7.8	5
76	Attosecond pulse trains generated with Oriented Molecules. , 2012, , .		0
77	Intensity dependence of multiple orbital contributions and shape resonance in high-order harmonic generation of aligned N $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ molecules. Physical Review A, 2012, 85, .	2.5	62
78	Oriented Rotational Wave-Packet Dynamics Studies via High Harmonic Generation. Physical Review Letters, 2012, 109, 113901.	7.8	119
79	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
80	Probing Polar Molecules with High Harmonic Spectroscopy. Physical Review Letters, 2012, 109, 233904.	7.8	67
81	Coulomb asymmetry and sub-cycle electron dynamics in multiphoton multiple ionization of H $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:sub} \rangle 2 \langle \text{mml:sub} \rangle$. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 194011.	1.5	35
82	Interferometric Carrier Envelope Phase Control of Few-Cycle IR Pulses. , 2012, , .		0
83	Toward complete space-time reconstruction of light pulses. , 2012, , .		0
84	Partitioning of the Linear Photon Momentum in Multiphoton Ionization. Physical Review Letters, 2011, 106, 193002.	7.8	150
85	Conical Intersection Dynamics in NO $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:sub} \rangle 2 \langle \text{mml:sub} \rangle$ Probed by Homodyne High-Harmonic Spectroscopy. Science, 2011, 334, 208-212.	12.6	222
86	Ultrahigh-Order Wave Mixing in Noncollinear High Harmonic Generation. Physical Review Letters, 2011, 106, 023001.	7.8	104
87	CEP stable 16 cycle laser pulses at 18 $\hat{1}/4$ m. Optics Express, 2011, 19, 6858.	3.4	95
88	Probing Angular Correlations in Sequential Double Ionization. Physical Review Letters, 2011, 107, 113003.	7.8	101
89	Probing collective multi-electron dynamics in xenon with high-harmonic spectroscopy. Nature Physics, 2011, 7, 464-467.	16.7	303
90	Separation of target structure and medium propagation effects in high-harmonic generation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 095601.	1.5	33

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91	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
92	Following a chemical reaction using high harmonic spectroscopy. , 2011, , .		1
93	Versatile approach for frequency resolved wavefront characterization. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
94	Following a chemical reaction using high-harmonic interferometry. <i>Nature</i> , 2010, 466, 604-607.	27.8	394
95	Direct Test of Laser Tunneling with Electron Momentum Imaging. <i>Physical Review Letters</i> , 2010, 105, 133002.	7.8	127
96	Controlling the Interference of Multiple Molecular Orbitals in High-Harmonic Generation. <i>Physical Review Letters</i> , 2010, 104, 233904.	7.8	127
97	High-Harmonic Homodyne Detection of the Ultrafast Dissociation of Br_2 Molecules. <i>Physical Review Letters</i> , 2010, 105, 103002.	7.8	31
98	Compression of 1.8 μm laser pulses to sub two optical cycles with bulk material. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	126
99	Attosecond High Harmonic Spectroscopy to Observe Molecular Motion. , 2010, , .		0
100	Phase sensitivity of high harmonic transient grating spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 065401.	1.5	17
101	Probing the symmetry of atomic wavefunctions from the point of view of strong field-driven electrons. <i>New Journal of Physics</i> , 2010, 12, 073032.	2.9	20
102	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
103	Gating attosecond pulse train generation using multicolor laser fields. <i>Physical Review A</i> , 2010, 81, .	2.5	55
104	Sub two-cycle pulse compression at 1.8 μm with bulk material. , 2010, , .		0
105	Towards CEP stable, single-cycle pulse compression with bulk material. , 2010, , .		0
106	Spectral Wavefront Optical Reconstruction by Diffraction. , 2010, , .		0
107	Towards CEP stable sub two cycle IR pulse compression with bulk material. , 2010, , .		0
108	Subcycle spatial mapping of recollision dynamics. <i>Physical Review A</i> , 2009, 80, .	2.5	9

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109	Observation of Electronic Structure Minima in High-Harmonic Generation. Physical Review Letters, 2009, 102, 103901.	7.8	193
110	Angular Tunneling Ionization Probability of Fixed-in-Space H^2 Molecules in Intense Laser Pulses. Physical Review Letters, 2009, 102, 033004.	7.8	123
111	Attosecond Circular Dichroism Spectroscopy of Polyatomic Molecules. Physical Review Letters, 2009, 102, 063601.	7.8	104
112	Momentum space tomographic imaging of photoelectrons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 185402.	1.5	56
113	High harmonic interferometry of multi-electron dynamics in molecules. Nature, 2009, 460, 972-977.	27.8	960
114	Atomic wavefunctions probed through strong-field light-matter interaction. Nature Physics, 2009, 5, 412-416.	16.7	170
115	An STM for molecules and wide-bandgap crystal. Laser Physics, 2009, 19, 1697-1704.	1.2	5
116	Pulse compression of submillijoule few-optical-cycle infrared laser pulses using chirped mirrors. Optics Letters, 2009, 34, 1894.	3.3	22
117	Frequency-resolved high-harmonic wavefront characterization. Optics Letters, 2009, 34, 3026.	3.3	40
118	Laser Tunnel Ionization from Multiple Orbitals in HCl. Science, 2009, 325, 1364-1367.	12.6	283
119	Wavelength Scaling of High Harmonic Generation Efficiency. Physical Review Letters, 2009, 103, 073902.	7.8	303
120	High-contrast pump-probe spectroscopy with high-order harmonics. , 2009, , .		0
121	Laser-Induced Electron Tunneling and Diffraction. Science, 2008, 320, 1478-1482.	12.6	692
122	High-Order Harmonic Transient Grating Spectroscopy in a Molecular Jet. Physical Review Letters, 2008, 100, 143903.	7.8	52
123	Dynamic Two-Center Interference in High-Order Harmonic Generation from Molecules with Attosecond Nuclear Motion. Physical Review Letters, 2008, 101, 053901.	7.8	105
124	High harmonic generation from aligned molecules amplitude and polarization. Journal of Modern Optics, 2008, 55, 2591-2602.	1.3	49
125	Electron wavepacket control with elliptically polarized laser light in high harmonic generation from aligned molecules. New Journal of Physics, 2008, 10, 025015.	2.9	33
126	High harmonic generation with a spatially filtered optical parametric amplifier. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 245602.	1.5	11

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127	Wavelength-dependent study of strong-field Coulomb explosion of hydrogen. <i>New Journal of Physics</i> , 2008, 10, 083011.	2.9	21
128	Strong-field non-sequential double ionization: wavelength dependence of ion momentum distributions for neon and argon. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 031001.	1.5	33
129	High-order harmonic generation experiments with IR laser pulses. , 2007, 6703, 97.		0
130	Polarization State of High-Order Harmonic Emission from Aligned Molecules. <i>Physical Review Letters</i> , 2007, 99, 243001.	7.8	127
131	Binary and Recoil Collisions in Strong Field Double Ionization of Helium. <i>Physical Review Letters</i> , 2007, 99, 263002.	7.8	255
132	Attosecond Strobings of Two-Surface Population Dynamics in Dissociating H ₂ ⁺ . <i>Physical Review Letters</i> , 2007, 98, 073003.	7.8	128
133	High harmonic generation and molecular orbital tomography in multielectron systems. <i>Journal of Chemical Physics</i> , 2007, 126, 114306.	3.0	73
134	Transient phase masks in high-harmonic generation. <i>Optics Letters</i> , 2007, 32, 436.	3.3	8
135	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
136	High Harmonic Generation and the Role of Atomic Orbital Wave Functions. <i>Physical Review Letters</i> , 2007, 98, 183903.	7.8	100
137	At a glance. <i>Nature</i> , 2007, 449, 997-999.	27.8	1
138	High Harmonic Generation and Molecular Orbital Tomography in Multielectron Systems: Beyond the Single Active Electron Approximation. <i>Physical Review Letters</i> , 2006, 97, 123003.	7.8	167
139	Control and Measurement of attosecond pulses. , 2006, , .		0
140	Generation of 11 fs pulses by using hollow-core gas-filled fibers at a 100 kHz repetition rate. <i>Optics Letters</i> , 2006, 31, 3185.	3.3	13
141	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.	2.1	17
142	Attosecond physics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, R1-R37.	1.5	283
143	Field-Free Three-Dimensional Alignment of Polyatomic Molecules. <i>Physical Review Letters</i> , 2006, 97, 173001.	7.8	160
144	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.	1.5	17

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145	Measuring and controlling the birth of attosecond XUV pulses. <i>Nature Physics</i> , 2006, 2, 781-786.	16.7	335
146	<title>Tomographic imaging of molecular orbitals using high harmonic generation</title>. , 2006, , .		0
147	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
148	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.	1.5	21
149	Controlling vibrational wave packets with intense, few-cycle laser pulses. <i>Physical Review A</i> , 2006, 73, .	2.5	73
150	Coherent creation and annihilation of rotational wave packets in incoherent ensembles. <i>Physical Review A</i> , 2006, 73, .	2.5	61
151	Probing the electronic structure of molecules with high harmonics. <i>Journal of Modern Optics</i> , 2006, 53, 185-192.	1.3	6
152	Attosecond Temporal Gating with Elliptically Polarized Light. <i>Physical Review Letters</i> , 2006, 97, 253903.	7.8	43
153	Attosecond pulses and imaging of molecular orbitals. , 2006, , .		0
154	Measurement and control of attosecond pulse formation. , 2006, , .		0
155	Attosecond and Angstrom precision measurements of a Molecule's Electrons. , 2005, , JME2.		0
156	Coherent cooling of molecular vibrational motion with laser-induced dipole forces. <i>Springer Series in Chemical Physics</i> , 2005, , 855-857.	0.2	0
157	Observation of Coulomb focusing in tunnelling ionization of noble gases. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 1923-1933.	1.5	106
158	Imaging the time-dependent structure of a molecule as it undergoes dynamics. <i>Physical Review A</i> , 2005, 72, .	2.5	89
159	Laser Coulomb-explosion imaging of small molecules. <i>Physical Review A</i> , 2005, 71, .	2.5	94
160	Controlling Attosecond Double Ionization Dynamics via Molecular Alignment. <i>Physical Review Letters</i> , 2005, 95, 203003.	7.8	132
161	Shakeup Excitation during Optical Tunnel Ionization. <i>Physical Review Letters</i> , 2005, 94, 033003.	7.8	58
162	PHYSICS: Toward Creating a Rutherford Atom. <i>Science</i> , 2005, 307, 1730-1731.	12.6	0

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163	Attosecond dynamics using sub-laser-cycle electron pulses. <i>Journal of Modern Optics</i> , 2005, 52, 453-464.	1.3	13
164	Efficient polarization gating of high-order harmonic generation by polarization-shaped ultrashort pulses. <i>Physical Review A</i> , 2005, 72, .	2.5	43
165	Mapping Attosecond Electron Wave Packet Motion. <i>Physical Review Letters</i> , 2005, 94, 083003.	7.8	151
166	Controlling High Harmonic Generation with Molecular Wave Packets. <i>Physical Review Letters</i> , 2005, 94, 123902.	7.8	264
167	Two-pulse alignment of molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, L43-L48.	1.5	103
168	Fully Differential Rates for Femtosecond Multiphoton Double Ionization of Neon. <i>Physical Review Letters</i> , 2004, 92, 213002.	7.8	131
169	Phase Control of Rotational Wave Packets and Quantum Information. <i>Physical Review Letters</i> , 2004, 93, 233601.	7.8	108
170	Stopping a Vibrational Wave Packet with Laser-Induced Dipole Forces. <i>Physical Review Letters</i> , 2004, 92, 133002.	7.8	58
171	Tomographic imaging of molecular orbitals. <i>Nature</i> , 2004, 432, 867-871.	27.8	2,028
172	Fully differential rates for femtosecond multiphoton double ionization of neon. , 2004, , .		2
173	Controlling High-Harmonic Generation via Molecular Alignment. <i>Springer Series in Optical Sciences</i> , 2004, , 247-251.	0.7	1
174	Probing molecular dynamics with attosecond resolution using correlated wave packet pairs. <i>Nature</i> , 2003, 421, 826-829.	27.8	376
175	Direct imaging of rotational wave-packet dynamics of diatomic molecules. <i>Physical Review A</i> , 2003, 68, .	2.5	260
176	Time-Resolved Double Ionization with Few Cycle Laser Pulses. <i>Physical Review Letters</i> , 2003, 91, 093002.	7.8	103
177	Alignment-Dependent Strong Field Ionization of Molecules. <i>Physical Review Letters</i> , 2003, 90, 233003.	7.8	445
178	Electron-Electron Momentum Exchange in Strong Field Double Ionization. <i>Physical Review Letters</i> , 2003, 91, 123004.	7.8	56
179	Controlling Vibrational Wave Packet Motion with Intense Modulated Laser Fields. <i>Physical Review Letters</i> , 2003, 90, 203601.	7.8	75
180	Introduction to this Special Issue on Ultrafast Optics. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, s1-s1.	2.2	0

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181	Sub-laser-cycle electron pulses for probing molecular dynamics. <i>Nature</i> , 2002, 417, 917-922.	27.8	597
182	Conversion of high-power 15-fs visible pulses to the mid infrared. <i>Optics Letters</i> , 2001, 26, 99.	3.3	18
183	Production and Study of Triply Charged Diatomic Ions with Femtosecond Pulses: Application to C_2^{3+} . <i>Journal of Physical Chemistry A</i> , 2001, 105, 2435-2443.	2.5	5
184	Nonadiabatic Multielectron Dynamics in Strong Field Molecular Ionization. <i>Physical Review Letters</i> , 2001, 86, 51-54.	7.8	196
185	Intense-field laser ionization rates in atoms and molecules. <i>Physical Review A</i> , 2001, 64, .	2.5	198
186	Quantum Interference in Double Ionization and Fragmentation of C_6H_6 in Intense Laser Fields. <i>Physical Review Letters</i> , 2001, 87, 253003.	7.8	104
187	Few Cycle Dynamics of Multiphoton Double Ionization. <i>Physical Review Letters</i> , 2001, 86, 3522-3525.	7.8	87
188	Centrifugal Dissociation of a Molecule Using the Optical Centrifuge. <i>Springer Series in Chemical Physics</i> , 2001, , 326-330.	0.2	1
189	Nonlinear Optical Method for Determining the Absolute Carrier Phase of a Laser Pulse. <i>Springer Series in Chemical Physics</i> , 2001, , 90-92.	0.2	0
190	Strong fields molecular optics. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	0
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