

Matthias F Kling

List of Publications by Year in descending order

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Version: 2024-02-01

186
papers

10,680
citations

50566

48
h-index

38517

99
g-index

202
all docs

202
docs citations

202
times ranked

5890
citing authors

#	ARTICLE	IF	CITATIONS
1	Attosecond coherent electron motion in Auger-Meitner decay. <i>Science</i> , 2022, 375, 285-290.	6.0	40
2	The emergence of macroscopic currents in photoconductive sampling of optical fields. <i>Nature Communications</i> , 2022, 13, 962.	5.8	4
3	Field emission microscope for a single fullerene molecule. <i>Scientific Reports</i> , 2022, 12, 2714.	1.6	4
4	Few-femtosecond resolved imaging of laser-driven nanoplasma expansion. <i>New Journal of Physics</i> , 2022, 24, 043024.	1.2	7
5	Electro-optic characterization of synthesized infrared-visible light fields. <i>Nature Communications</i> , 2022, 13, 1111.	5.8	24
6	Strong-field physics with nanospheres. <i>Advances in Physics: X</i> , 2022, 7, .	1.5	7
7	Fifth-order nonlinear optical response of Alq3 thin films. <i>Results in Physics</i> , 2022, 37, 105513.	2.0	2
8	Spatiotemporal sampling of near-petahertz vortex fields. <i>Optica</i> , 2022, 9, 755.	4.8	9
9	Imaging elliptically polarized infrared near-fields on nanoparticles by strong-field dissociation of functional surface groups. <i>European Physical Journal D</i> , 2022, 76, .	0.6	2
10	Femtosecond Laser Induced Resonant Tunneling in an Individual Quantum Dot Attached to a Nanotip. <i>ACS Photonics</i> , 2021, 8, 505-511.	3.2	16
11	Mark Stockman: Evangelist for Plasmonics. <i>ACS Photonics</i> , 2021, 8, 683-698.	3.2	2
12	Single-shot dispersion sampling for optical pulse reconstruction. <i>Optics Express</i> , 2021, 29, 11845.	1.7	2
13	Petahertz-scale nonlinear photoconductive sampling in air. <i>Optica</i> , 2021, 8, 586.	4.8	21
14	Light-field-driven current control in solids with pJ-level laser pulses at 80â€‰MHz repetition rate. <i>Optica</i> , 2021, 8, 570.	4.8	22
15	Observation of the quantum shift of a backward rescattering caustic by carrier-envelope phase mapping. <i>Physical Review A</i> , 2021, 103, .	1.0	9
16	Photo-Induced Coupled Nuclear and Electron Dynamics in the Nucleobase Uracil. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	5
17	Saturating multiple ionization in intense mid-infrared laser fields. <i>New Journal of Physics</i> , 2021, 23, 053026.	1.2	1
18	Anomalous formation of trihydrogen cations from water on nanoparticles. <i>Nature Communications</i> , 2021, 12, 3839.	5.8	11

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19	Angle-resolved Photoelectron Spectroscopy of large Water Clusters ionized by an XUV Comb. , 2021, , .		0
20	Development of a model for fibroblast-led collective migration from breast cancer cell spheroids to study radiation effects on invasiveness. Radiation Oncology, 2021, 16, 159.	1.2	5
21	Onset of charge interaction in strong-field photoemission from nanometric needle tips. Nanophotonics, 2021, 10, 3769-3775.	2.9	14
22	Efficient nonlinear compression of a thin-disk oscillator to 8.5â€‰%â€‰fs at 55â€‰%â€‰W average power. Optics Letters, 2021, 46, 5304.	1.7	17
23	Light-Field-Driven Current Control in Dielectrics with pJ-Level Laser Pulses at 80 MHz Repetition Rate. , 2021, , .		0
24	Attosecond transient absorption spectroscopy: a ghost imaging approach to ultrafast absorption spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 2704-2712.	1.3	41
25	Tunable isolated attosecond X-ray pulses with gigawatt peak power from a free-electron laser. Nature Photonics, 2020, 14, 30-36.	15.6	283
26	Ionization-Induced Subcycle Metallization of Nanoparticles in Few-Cycle Pulses. ACS Photonics, 2020, 7, 3207-3215.	3.2	15
27	Phase-Matching for Generation of Isolated Attosecond XUV and Soft-X-Ray Pulses with Few-Cycle Drivers. Physical Review X, 2020, 10, .	2.8	18
28	Probing molecular environment through photoemission delays. Nature Physics, 2020, 16, 778-783.	6.5	44
29	Near-Field Induced Reaction Yields from Nanoparticle Clusters. ACS Photonics, 2020, 7, 1885-1892.	3.2	13
30	Non-Bornâ€‰Oppenheimer Molecular Dynamics Observed by Coherent Nuclear Wave Packets. Journal of Physical Chemistry Letters, 2020, 11, 755-761.	2.1	20
31	Suppression of individual peaks in two-colour high harmonic generation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 134004.	0.6	7
32	Photoelectron spectroscopy of large water clusters ionized by an XUV comb. JPhys Photonics, 2020, 2, 035007.	2.2	3
33	High-contrast, intense single-cycle pulses from an all thin-solid-plate setup. Optics Letters, 2020, 45, 367.	1.7	37
34	Femtosecond streaking in ambient air. Optica, 2020, 7, 1372.	4.8	25
35	Single-shot carrierâ€‰envelope-phase measurement in ambient air. Optica, 2020, 7, 35.	4.8	15
36	Few-cycle laser driven reaction nanoscopy on aerosolized silica nanoparticles. Nature Communications, 2019, 10, 4655.	5.8	19

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37	Tailoring Caustics in High-Harmonic Generation with Phase-Controlled Multi-Colour Fields. , 2019, , .		0
38	Sub-Cycle Metallization of SiO ₂ Nanoparticles Probed via Carrier-Envelope Phase Dependent Electron Acceleration. , 2019, , .		0
39	Probing Molecular Influence on Photoemission Delays. , 2019, , .		0
40	High-flux ultrafast extreme-ultraviolet photoemission spectroscopy at 18.4â€‰MHz pulse repetition rate. Nature Communications, 2019, 10, 458.	5.8	58
41	All-optical spatio-temporal control of electron emission from SiO ₂ nanospheres with femtosecond two-color laser fields. New Journal of Physics, 2019, 21, 073011.	1.2	7
42	Simulation of time-dependent ionization processes in acetylene. EPJ Web of Conferences, 2019, 205, 09023.	0.1	0
43	Sub-cycle dynamics in relativistic nanoplasma acceleration. Scientific Reports, 2019, 9, 7321.	1.6	19
44	Diffractive imaging of C_{60} structural deformations induced by intense femtosecond midinfrared laser fields. Physical Review Letters, 2019, 122, 053002.	2.9	20
45	Spatio-Temporal Wide-Field Imaging with 50 fs Resolution Based on Frequency Upconversion. , 2019, , .		0
46	Perspective on Petahertz Electronics and Attosecond Nanoscopy. ACS Photonics, 2019, 6, 3057-3069.	3.2	49
47	Carrier-envelope-phaseâ€“controlled molecular dissociation by ultrashort chirped laser pulses. Physical Review A, 2019, 100, .	1.0	4
48	10 W CEP-Stable Few-Cycle Source at 2 $\frac{1}{4}$ μ m with 100 kHz Repetition Rate. , 2019, , .		0
49	Interplay of pulse duration, peak intensity, and particle size in laser-driven electron emission from silica nanospheres. Optics Express, 2019, 27, 27124.	1.7	17
50	Roadmap on plasmonics. Journal of Optics (United Kingdom), 2018, 20, 043001.	1.0	240
51	Nonadiabatic ponderomotive effects in photoemission from nanotips in intense midinfrared laser fields. Physical Review A, 2018, 97, .	1.0	14
52	Attosecond streaking metrology with isolated nanotargets. Journal of Optics (United Kingdom), 2018, 20, 024002.	1.0	11
53	Phase- and intensity-resolved measurements of above threshold ionization by few-cycle pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 134007.	0.6	14
54	Polarizability effect in strong-field ionization: Quenching of the low-energy structure in C ₆₀ . Physical Review A, 2018, 98, .	1.0	4

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55	Slingshot Nonsequential Double Ionization as a Gate to Anticorrelated Two-Electron Escape. <i>Physical Review Letters</i> , 2018, 121, 263203.	2.9	23
56	Control of molecular dissociation by spatially inhomogeneous near fields. <i>Physical Review A</i> , 2018, 98, .	1.0	4
57	10 W CEP-stable few-cycle source at 2 μm with 100 kHz repetition rate. <i>Optics Express</i> , 2018, 26, 16074.	1.7	49
58	Time-resolved nuclear dynamics in bound and dissociating acetylene. <i>Structural Dynamics</i> , 2018, 5, 044302.	0.9	8
59	Trapping field assisted backscattering in strong-field photoemission from dielectric nanospheres. <i>Journal of Modern Optics</i> , 2017, 64, 1096-1103.	0.6	17
60	Attosecond physics at the nanoscale. <i>Reports on Progress in Physics</i> , 2017, 80, 054401.	8.1	274
61	Attosecond-controlled photoemission from metal nanowire tips in the few-electron regime. <i>APL Photonics</i> , 2017, 2, .	3.0	17
62	Reconstruction of Nanoscale Near Fields by Attosecond Streaking. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 77-87.	1.9	16
63	Attosecond chronoscopy of electron scattering in dielectric nanoparticles. <i>Nature Physics</i> , 2017, 13, 766-770.	6.5	74
64	Phase- and intensity-dependence of ultrafast dynamics in hydrocarbon molecules in few-cycle laser fields. <i>Molecular Physics</i> , 2017, 115, 1835-1845.	0.8	8
65	Quenching of material dependence in few-cycle driven electron acceleration from nanoparticles under many-particle charge interaction. <i>Journal of Modern Optics</i> , 2017, 64, 995-1003.	0.6	14
66	Nanoplasmonic electron acceleration by attosecond-controlled forward rescattering in silver clusters. <i>Nature Communications</i> , 2017, 8, 1181.	5.8	31
67	Signatures and mechanisms of plasmon-enhanced electron emission from clusters in few-cycle laser fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 224001.	0.6	2
68	Optical Control of Young's Type Double-slit Interferometer for Laser-induced Electron Emission from a Nano-tip. <i>Scientific Reports</i> , 2017, 7, 12661.	1.6	8
69	Non-sequential double ionization with near-single cycle laser pulses. <i>Scientific Reports</i> , 2017, 7, 7488.	1.6	25
70	Controlling electron-electron correlation in frustrated double ionization of triatomic molecules with orthogonally polarized two-color laser fields. <i>Physical Review A</i> , 2017, 96, .	1.0	16
71	The importance of Rydberg orbitals in dissociative ionization of small hydrocarbon molecules in intense laser fields. <i>Scientific Reports</i> , 2017, 7, 4441.	1.6	8
72	Emergence of a Higher Energy Structure in Strong Field Ionization with Inhomogeneous Electric Fields. <i>Physical Review Letters</i> , 2017, 119, 053204.	2.9	19

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73	Development of a 10 kHz high harmonic source up to 140 eV photon energy for ultrafast time-, angle-, and phase-resolved photoelectron emission spectroscopy on solid targets. Review of Scientific Instruments, 2017, 88, 083105.	0.6	5
74	Sub-cycle directional control of the dissociative ionization of H ₂ in tailored femtosecond laser fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 172001.	0.6	14
75	Single-shot carrier-envelope-phase tagging using an f^2 interferometer and a phase meter: a comparison. Journal of Optics (United Kingdom), 2017, 19, 124017.	1.0	20
76	Streak Camera for Strong-Field Ionization. Physical Review Letters, 2017, 119, 183201.	2.9	21
77	Strong near-field induced molecular processes on nanoparticles. , 2017, , .		0
78	Experimental investigation of strong-field-ionization theories for laser fields from visible to midinfrared frequencies. Physical Review A, 2017, 96, .	1.0	45
79	Sub-cycle steering of the deprotonation of acetylene by intense few-cycle mid-infrared laser fields. Optics Express, 2017, 25, 14192.	1.7	10
80	Compact and flexible harmonic generator and three-color synthesizer for femtosecond coherent control and time-resolved studies. Optics Express, 2017, 25, 31130.	1.7	12
81	Multi-harmonic generator and synthesizer for experiments in tailored, intense femtosecond laser fields. , 2017, , .		1
82	High power CEP-stable 2 $\frac{1}{4}$ μ m source based on fiber-laser seeded Innoslab with 100-kHz to 1-MHz repetition rate. , 2017, , .		0
83	All-optical spatio-temporal control of electron emission from isolated dielectric nanospheres with two-color laser pulses. , 2017, , .		0
84	Photoemission from Nanomaterials in Strong Few-Cycle Laser Fields. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 283-299.	0.2	1
85	Attosecond nanoscale near-field sampling. Nature Communications, 2016, 7, 11717.	5.8	67
86	Plasmonic electric near-field enhancement in self-organized gold nanoparticles in macroscopic arrays. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	10
87	Visualization of bond rearrangements in acetylene using near single-cycle laser pulses. Faraday Discussions, 2016, 194, 495-508.	1.6	26
88	Ionization Delays That Stand Out. Physics Magazine, 2016, 9, .	0.1	0
89	Discrete dispersion scanning as a simple method for broadband femtosecond pulse characterization. Optics Express, 2016, 24, 18551.	1.7	5
90	Disentangling the role of laser coupling in directional breaking of molecules. Physical Review A, 2016, 94, .	1.0	9

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91	Controlling electron localization in intense plasmon-enhanced laser fields. Physical Review A, 2016, 93, .	4.9	49
92	Complete characterization of single-cycle double ionization of argon from the nonsequential to the sequential ionization regime. Physical Review A, 2016, 93, .	1.0	30
93	Steering Proton Migration in Hydrocarbons Using Intense Few-Cycle Laser Fields. Physical Review Letters, 2016, 116, 193001.	2.9	74
94	Delayed electron emission in strong-field driven tunnelling from a metallic nanotip in the multi-electron regime. Scientific Reports, 2016, 6, 35877.	1.6	42
95	Transition from SAMO to Rydberg State Ionization in C^{60} in Femtosecond Laser Fields. Journal of Physical Chemistry Letters, 2016, 7, 4677-4682.	2.1	19
96	Laser-induced asymmetric faceting and growth of a nano-protrusion on a tungsten tip. APL Photonics, 2016, 1, 091305.	3.0	8
97	Carrier-envelope phase dependence of the directional fragmentation and hydrogen migration in toluene in few-cycle laser fields. Structural Dynamics, 2016, 3, 043206.	0.9	20
98	Optimization of a nanotip on a surface for the ultrafast probing of propagating surface plasmons. Optics Express, 2016, 24, 92.	1.7	9
99	Competition of single and double rescattering in the strong-field photoemission from dielectric nanospheres. Applied Physics B: Lasers and Optics, 2016, 122, 101.	1.1	23
100	Intensity dependence of the dissociative ionization of DCI in few-cycle laser fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 015601.	0.6	12
101	Imaging of C60 with laser-induced electron diffraction using strong mid-IR laser pulses. , 2016, , .		0
102	Single-Cycle Non-Sequential Double Ionization. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 1-9.	1.9	17
103	Coherent Electronic Wave Packet Motion in C^{60} by the Waveform and Polarization of Few-Cycle Laser Fields. Physical Review Letters, 2015, 114, 123004.	2.9	51
104	Carrier-envelope-phase stabilized terawatt class laser at 1 kHz with a wavelength tunable option. Optics Express, 2015, 23, 4563.	1.7	25
105	Field propagation-induced directionality of carrier-envelope phase-controlled photoemission from nanospheres. Nature Communications, 2015, 6, 7944.	5.8	78
106	Incorporating real time velocity map image reconstruction into closed-loop coherent control. Review of Scientific Instruments, 2014, 85, 113105.	0.6	18
107	Strong-field control of the dissociative ionization of N_2O with near-single-cycle pulses. New Journal of Physics, 2014, 16, 065017.	1.2	25
108	Non-sequential double ionization of Ar: from the single- to the many-cycle regime. New Journal of Physics, 2014, 16, 033008.	1.2	31

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109	Optical damage threshold of Au nanowires in strong femtosecond laser fields. Optics Express, 2014, 22, 4235.	1.7	20
110	Transition between Mechanisms of Laser-Induced Field-Free Molecular Orientation. Physical Review Letters, 2014, 112, 113005.	2.9	23
111	Alignment-assisted field-free orientation of rotationally cold CO molecules. Physical Review A, 2014, 90, .	1.0	10
112	Thick-lens velocity-map imaging spectrometer with high resolution for high-energy charged particles. Journal of Instrumentation, 2014, 9, P05005-P05005.	0.5	49
113	Attosecond-correlated dynamics of two electrons in argon. Pramana - Journal of Physics, 2014, 82, 79-85.	0.9	0
114	What will it take to observe processes in 'real time'?. Nature Photonics, 2014, 8, 162-166.	15.6	220
115	Subfemtosecond steering of hydrocarbon deprotonation through superposition of vibrational modes. Nature Communications, 2014, 5, 3800.	5.8	78
116	Off-axis low-energy structures in above-threshold ionization. Physical Review A, 2014, 90, .	1.0	67
117	Resolving multi-exciton generation by attosecond spectroscopy. Optics Express, 2014, 22, 26285.	1.7	3
118	Intensity dependence of the attosecond control of the dissociative ionization of D ₂ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124020.	0.6	16
119	Nonsequential double ionization of N ₂ in a near-single-cycle laser pulse. Physical Review A, 2013, 88, .	1.0	29
120	Adaptive strong-field control of chemical dynamics guided by three-dimensional momentum imaging. Nature Communications, 2013, 4, 2895.	5.8	51
121	Ultrafast phenomena on the nanoscale. Annalen Der Physik, 2013, 525, A13.	0.9	7
122	Nanoplasmonic near-field synthesis. Physical Review A, 2013, 87, .	1.0	6
123	Plasmon-Enhanced-Attosecond-Extreme Ultraviolet Source. Physical Review Letters, 2013, 110, 223903.	2.9	13
124	(Sub-)femtosecond control of molecular reactions via tailoring the electric field of light. Physical Chemistry Chemical Physics, 2013, 15, 9448.	1.3	86
125	Ultrafast dynamics in acetylene clocked in a femtosecond XUV stopwatch. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 164027.	0.6	34
126	Carrier-Envelope Phase Control over Pathway Interference in Strong-Field Dissociation of H ₂ ⁺ . Physical Review Letters, 2013, 111, 163004.	2.9	62

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127	High-harmonic and single attosecond pulse generation using plasmonic field enhancement in ordered arrays of gold nanoparticles with chirped laser pulses. <i>Optics Express</i> , 2013, 21, 2195.	1.7	50
128	Carrier-envelope-phase tagging in measurements with long acquisition times. <i>New Journal of Physics</i> , 2012, 14, 093027.	1.2	16
129	Attosecond tracing of correlated electron-emission in non-sequential double ionization. <i>Nature Communications</i> , 2012, 3, 813.	5.8	205
130	Attosecond Correlated Dynamics of Two Electrons Passing through a Transition State. <i>Physical Review Letters</i> , 2012, 108, 073003.	2.9	83
131	Time-of-flight-photoelectron emission microscopy on plasmonic structures using attosecond extreme ultraviolet pulses. <i>Applied Physics Letters</i> , 2012, 100, 051904.	1.5	50
132	Review of attosecond resolved measurement and control via carrier-envelope phase tagging with above-threshold ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 074003.	0.6	82
133	Controlled directional ion emission from several fragmentation channels of CO driven by a few-cycle laser field. <i>Physical Review A</i> , 2012, 86, .	1.0	20
134	Carrier-envelope phase-tagged imaging of the controlled electron acceleration from SiO ₂ nanospheres in intense few-cycle laser fields. <i>New Journal of Physics</i> , 2012, 14, 075010. Tracking nonlinear wave packet dynamics in singly and doubly ionized states via Nonlinear	1.2	37
135	$\langle \sigma \rangle \propto \langle \sigma \rangle$ and $\langle \sigma \rangle \propto \langle \sigma \rangle$ with XUV-pump XUV-probe experiments. <i>Physical Review A</i> , 2012, 86.	1.0	42
136	Subcycle Controlled Charge-Directed Reactivity with Few-Cycle Midinfrared Pulses. <i>Physical Review Letters</i> , 2012, 108, 063002.	2.9	99
137	Optimization of the Field Enhancement and Spectral Bandwidth of Single and Coupled Bimetal Core-Shell Nanoparticles for Few-Cycle Laser Applications. <i>Plasmonics</i> , 2012, 7, 99-106.	1.8	11
138	Laser waveform control of electron dynamics. , 2012, , .		0
139	Generation of isolated attosecond extreme ultraviolet pulses employing nanoplasmonic field enhancement: optimization of coupled ellipsoids. <i>New Journal of Physics</i> , 2011, 13, 073010.	1.2	56
140	Predicted Ultrafast Dynamic Metallization of Dielectric Nanofilms by Strong Single-Cycle Optical Fields. <i>Physical Review Letters</i> , 2011, 107, 086602.	2.9	61
141	Attosecond nanoplasmonic streaking of localized fields near metal nanospheres. <i>Physical Review B</i> , 2011, 84, .	1.1	63
142	Waveform control of orientation-dependent ionization of DCI in few-cycle laser fields. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8653.	1.3	37
143	Optimization and characterization of a highly-efficient diffraction nanograting for MHz XUV pulses. <i>Optics Express</i> , 2011, 19, 1954.	1.7	20
144	Single-pass high-harmonic generation at 208 MHz repetition rate. <i>Optics Letters</i> , 2011, 36, 3428.	1.7	64

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145	Controlled near-field enhanced electron acceleration from dielectric nanospheres with intense few-cycle laser fields. <i>Nature Physics</i> , 2011, 7, 656-662.	6.5	210
146	Publisher's Note: Attosecond nanoplasmonic streaking of localized fields near metal nanospheres [Phys. Rev. B84, 121406(R) (2011)]. <i>Physical Review B</i> , 2011, 84, .	1.1	2
147	Plasmonic generation of ultrashort extreme-ultraviolet light pulses. <i>Nature Photonics</i> , 2011, 5, 677-681.	15.6	286
148	Sub-cycle electron control in the photoionization of xenon using a few-cycle laser pulse in the mid-infrared. <i>New Journal of Physics</i> , 2011, 13, 063010.	1.2	21
149	Dynamic modification of the fragmentation of autoionizing states of O ₂ ⁺ . <i>Physical Review A</i> , 2011, 84, .	1.0	15
150	Orientation dependence of the ionization of CO and NO in an intense femtosecond two-color laser field. <i>Physical Review A</i> , 2011, 84, .	1.0	110
151	Following dynamic nuclear wave packets in N ₂ ⁺ . $\frac{d}{dt} \langle \mathbf{r} \rangle = \frac{i}{\hbar} [\mathbf{r}, H]$ and CO with few-cycle infrared pulses. <i>Physical Review A</i> , 2011, 84, .	1.0	54
152	Velocity map imaging as a tool for gaining mechanistic insight from closed-loop control studies of molecular fragmentation. <i>Physical Review A</i> , 2011, 83, .	1.0	7
153	Single-shot carrier-envelope-phase-tagged ion-momentum imaging of nonsequential double ionization of argon in intense 4-fs laser fields. <i>Physical Review A</i> , 2011, 83, .	1.0	74
154	Momentum spectra of electrons rescattered from rare-gas targets following their extraction by one- and two-color femtosecond laser pulses. <i>Physical Review A</i> , 2011, 83, .	1.0	37
155	Single-shot velocity-map imaging of attosecond light-field control at kilohertz rate. <i>Review of Scientific Instruments</i> , 2011, 82, 093109.	0.6	41
156	Attosecond measurement of petahertz plasmonic near-fields. <i>Proceedings of SPIE</i> , 2011, , .	0.8	18
157	Attosecond imaging of XUV-induced atomic photoemission and Auger decay in strong laser fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 105601.	0.6	19
158	Control and tracing of attosecond electron dynamics in nanosystems. , 2011, , .		0
159	Tracking nuclear wave-packet dynamics in molecular oxygen ions with few-cycle infrared laser pulses. <i>Physical Review A</i> , 2010, 82, .	1.0	38
160	Dynamic modification of the fragmentation of CO ⁺ states generated with high-order harmonics. <i>Physical Review A</i> , 2010, 82, .	1.0	11
161	Effects of multi orbital contributions in the angular-dependent ionization of molecules in intense few-cycle laser pulses. <i>Applied Physics B: Lasers and Optics</i> , 2010, 98, 659-666.	1.1	46
162	Electron localization following attosecond molecular photoionization. <i>Nature</i> , 2010, 465, 763-766.	13.7	630

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163	Real-time observation of valence electron motion. <i>Nature</i> , 2010, 466, 739-743.	13.7	1,040
164	Ultrafast Extreme Ultraviolet Induced Isomerization of Acetylene Cations. <i>Physical Review Letters</i> , 2010, 105, 263002.	2.9	172
165	Attosecond Electron Spectroscopy Using a Novel Interferometric Pump-Probe Technique. <i>Physical Review Letters</i> , 2010, 105, 053001.	2.9	181
166	Metallization of Nanofilms in Strong Adiabatic Electric Fields. <i>Physical Review Letters</i> , 2010, 105, 086803.	2.9	55
167	Field-Free Orientation of CO Molecules by Femtosecond Two-Color Laser Fields. <i>Physical Review Letters</i> , 2009, 103, 153002.	2.9	242
168	Accurate Retrieval of Target Structures and Laser Parameters of Few-Cycle Pulses from Photoelectron Momentum Spectra. <i>Physical Review Letters</i> , 2009, 102, 073001.	2.9	54
169	Ion-Energy Dependence of Asymmetric Dissociation of D^+ by a Two-Color Laser Field. <i>Physical Review Letters</i> , 2009, 103, 223201.	2.9	148
170	Three-Dimensional Momentum Imaging of Electron Wave Packet Interference in Few-Cycle Laser Pulses. <i>Physical Review Letters</i> , 2009, 103, 053001.	2.9	105
171	Attosecond Control of Electron Dynamics in Carbon Monoxide. <i>Physical Review Letters</i> , 2009, 103, 103002.	2.9	151
172	A velocity map imaging detector with an integrated gas injection system. <i>Review of Scientific Instruments</i> , 2009, 80, 033110.	0.6	80
173	Light waveform controlled electron dynamics in the dissociative ionization of CO. , 2009, , .		0
174	Field-free molecular alignment probed by the free electron laser in Hamburg (FLASH). <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 134017.	0.6	37
175	Time of flight-photoemission electron microscope for ultrahigh spatiotemporal probing of nanoplasmonic optical fields. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 314005.	0.7	34
176	Attosecond Electron Dynamics. <i>Annual Review of Physical Chemistry</i> , 2008, 59, 463-492.	4.8	288
177	Imaging of carrier-envelope phase effects in above-threshold ionization with intense few-cycle laser fields. <i>New Journal of Physics</i> , 2008, 10, 025024.	1.2	88
178	Ion-charge-state chronoscopy of cascaded atomic Auger decay. <i>New Journal of Physics</i> , 2008, 10, 025009.	1.2	46
179	Short XUV pulses to characterize field-free molecular alignment. <i>Journal of Modern Optics</i> , 2007, 54, 953-966.	0.6	13
180	Photoinduced \hat{I}^2 -Hydrogen Elimination and Radical Formation with $CpW(CO)_3(CH_2CH_3)$: Ultrafast IR and DFT Studies. <i>Organometallics</i> , 2007, 26, 1424-1432.	1.1	14

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181	Attosecond nanoplasmonic-field microscope. <i>Nature Photonics</i> , 2007, 1, 539-544.	15.6	317
182	Attosecond real-time observation of electron tunnelling in atoms. <i>Nature</i> , 2007, 446, 627-632.	13.7	796
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