

Attosecond electron motion control in dielectric

Nature Photonics

16, 33-37

DOI: [10.1038/s41566-021-00918-4](https://doi.org/10.1038/s41566-021-00918-4)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Attosecond electronic delay response in dielectric materials. Faraday Discussions, 0, 237, 317-326.	3.2	3
2	Attosecond light field synthesis. APL Photonics, 2022, 7, .	5.7	18
3	Probing attosecond phenomena in solids. Nature Photonics, 2022, 16, 7-9.	31.4	3
4	Few-cycle optical field breakdown and damage of gallium oxide and gallium nitride. APL Materials, 2022, 10, .	5.1	3
5	Recent advances in petahertz electric field sampling. Journal of Physics B: Atomic, Molecular and Optical Physics, 2022, 55, 172001.	1.5	7
6	Superradiance of an Extended Resonant Medium Excited by Half-Cycle Attosecond Pulses. JETP Letters, 0, , .	1.4	5
7	Asymmetric double-pulse interferometric FROG for visible-wavelength time-domain spectroscopy. Optics Letters, 0, , .	3.3	0
8	Attosecond clocking of correlations between Bloch electrons. Nature, 2022, 610, 290-295.	27.8	31
9	Generation of waveform-tunable unipolar pulses in a nonlinear resonant medium. Physical Review A, 2022, 106, .	2.5	11
10	Enhanced energy deposition and carrier generation in silicon induced by two-color intense femtosecond laser pulses. Physical Review B, 2022, 106, .	3.2	3
11	Unipolar and Subcycle Extremely Short Pulses: Recent Results and Prospects (Brief Review). JETP Letters, 2023, 117, 8-23.	1.4	15
12	Ultrafast All-Optical Switching Using Doped Chromoprotein Films. Journal of Physical Chemistry C, 2023, 127, 1499-1506.	3.1	3
13	Optical Waveform Synthesis and Its Applications. Laser and Photonics Reviews, 2023, 17, .	8.7	7
14	Light-induced dynamic microcavities created in a resonant medium by collision of non-harmonic rectangular 1-fs light pulses. Optics Communications, 2023, 538, 129475.	2.1	4
15	Ultrafast Optical Switching. , 2022, , .		0
16	Ultrafast optical switching and data encoding on synthesized light fields. Science Advances, 2023, 9, .	10.3	11
17	All-Optical Ultrafast Valley Switching in Two-Dimensional Materials. Physical Review Applied, 2023, 19, .	3.8	7
18	Coulomb enhancement of high harmonic generation in monolayer transition metal dichalcogenides. Optics Letters, 2023, 48, 2094.	3.3	1

#	ARTICLE	IF	CITATIONS
19	Attosecond magnetization dynamics in non-magnetic materials driven by intense femtosecond lasers. <i>Npj Computational Materials</i> , 2023, 9, .	8.7	13
20	Theoretical study of attosecond laser interference on radioactive decay of cesium-137. <i>Europhysics Letters</i> , 2023, 142, 15001.	2.0	0
21	Dynamic optical response of solids following 1-fs-scale photoinjection. <i>Nature</i> , 2023, 618, 276-280.	27.8	5
22	Synthesis and Direct Sampling of Single-Cycle Light Transients by Electron Tunneling in a Nanodevice. <i>ACS Photonics</i> , 2023, 10, 2866-2873.	6.6	1
23	Area theorem in a ring laser cavity. <i>Physical Review A</i> , 2023, 108, .	2.5	1
24	Generation of an ultrahigh-repetition-rate optical half-cycle pulse train in the nested quantum wells. <i>Optics Letters</i> , 2023, 48, 4637.	3.3	2
25	Field-driven attosecond charge dynamics in germanium. <i>Nature Photonics</i> , 2023, 17, 1059-1065.	31.4	4
26	Attosecond Optical Spectroscopy of Monocrystalline Diamond. , 2023, , .		0
27	Optically induced DC current in unbiased dielectrics and semiconductors - a straightforward nonlinear optical effect. , 2023, , .		0
28	Ultrafast Condensed Matter Physics at Attoseconds. <i>Chinese Physics Letters</i> , 2023, 40, 117801.	3.3	2
29	Hearing the Heartbeat of Atoms: Unveiling Attosecond Horizons. <i>Ultrafast Science</i> , 2023, 3, .	11.2	0
30	Coherent control of a multilevel resonant medium by subcycle pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2024, 41, 46.	2.1	0
33	Electron Imaging in Action: Attosecond Electron Diffraction and Microscopy. , 2023, , 535-556.		0
34	Electric Area Conservation Rule and the Validity of Some Models of Subcycle Pulse Propagation. <i>JETP Letters</i> , 2024, 119, 94-103.	1.4	0
35	Lightwave Electronics: Attosecond Optical Switching. <i>ACS Photonics</i> , 2024, 11, 334-338.	6.6	0
36	Attosecond absorption and reflection spectroscopy of solids. <i>APL Photonics</i> , 2024, 9, .	5.7	0
37	Interference of the Electric and Envelope Areas of Ultrashort Light Pulses in Quantum Systems. <i>Radiophysics and Quantum Electronics</i> , 0, , .	0.5	0
38	Real-time tracking of coherent oscillations of electrons in a nanodevice by photo-assisted tunnelling. <i>Nature Communications</i> , 2024, 15, .	12.8	0

#	ARTICLE	IF	CITATIONS
39	Unconventional light - matter interaction in the response-time region of unionized bound electrons. Applied Physics B: Lasers and Optics, 2024, 130, .	2.2	0
40	Interference of the Electric and Envelope Areas of Ultrashort Light Pulses in Quantum Systems. Radiophysics and Quantum Electronics, 2023, 66, 286-303.	0.5	0
41	Peculiarities of Polarization Waves Behavior under Excitation of an Extended Resonant Medium by Overlapping Extremely Short Light Pulses. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2023, 131, 139-145.	0.6	0
42	Superradiance of a Stopped Polarization Pulse in a Thin Layer of a Five-Level Medium Excited by Subcycle Attosecond Pulses. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2023, 131, 139-145.	0.6	0
43	Peculiarities of Excitation of a Particle in a Single-Level Quantum Well by an Extremely Short Attosecond Pulse. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2023, 131, 134-138.	0.6	0
44	Nonharmonic Spatial Population Difference Structures Created by Unipolar Rectangular Pulses in a Resonant Medium. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2023, 131, 80-87.	0.6	0