

Christoph H Keitel

List of Publications by Year in descending order

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294
papers

13,829
citations

22099

59
h-index

28224

105
g-index

295
all docs

295
docs citations

295
times ranked

5076
citing authors

#	ARTICLE	IF	CITATIONS
1	Extremely high-intensity laser interactions with fundamental quantum systems. <i>Reviews of Modern Physics</i> , 2012, 84, 1177-1228.	16.4	1,340
2	Atomic physics with super-high intensity lasers. <i>Reports on Progress in Physics</i> , 1997, 60, 389-486.	8.1	754
3	Lorentz Meets Fano in Spectral Line Shapes: A Universal Phase and Its Laser Control. <i>Science</i> , 2013, 340, 716-720.	6.0	404
4	Resonantly enhanced refractive index without absorption via atomic coherence. <i>Physical Review A</i> , 1992, 46, 1468-1487.	1.0	342
5	High-precision measurement of the atomic mass of the electron. <i>Nature</i> , 2014, 506, 467-470.	13.7	258
6	Generation of neutral and high-density electron-positron pair plasmas in the laboratory. <i>Nature Communications</i> , 2015, 6, 6747.	5.8	252
7	Ultrahigh Brilliance Multi-MeV γ -Ray Beams from Nonlinear Relativistic Thomson Scattering. <i>Physical Review Letters</i> , 2014, 113, 224801.	2.9	239
8	Electron Acceleration by a Tightly Focused Laser Beam. <i>Physical Review Letters</i> , 2002, 88, 095005.	2.9	228
9	Radiation reaction effects on radiation pressure acceleration. <i>New Journal of Physics</i> , 2010, 12, 123005.	1.2	212
10	Experimental Signatures of the Quantum Nature of Radiation Reaction in the Field of an Ultraintense Laser. <i>Physical Review X</i> , 2018, 8, .	2.8	210
11	Quantum Radiation Reaction Effects in Multiphoton Compton Scattering. <i>Physical Review Letters</i> , 2010, 105, 220403.	2.9	178
12	Factor of Hydrogenlike Si^{13+} . <i>Physical Review Letters</i> , 2011,	2.9	153
13	Experimental Evidence for Quantum Tunneling Time. <i>Physical Review Letters</i> , 2017, 119, 023201.	2.9	152
14	Table-Top Laser-Based Source of Femtosecond, Collimated, Ultrarelativistic Positron Beams. <i>Physical Review Letters</i> , 2013, 110, 255002.	2.9	149
15	Complete QED Theory of Multiphoton Trident Pair Production in Strong Laser Fields. <i>Physical Review Letters</i> , 2010, 105, 080401.	2.9	141
16	Light Diffraction by a Strong Standing Electromagnetic Wave. <i>Physical Review Letters</i> , 2006, 97, 083603.	2.9	139
17	Pair Production in Laser Fields Oscillating in Space and Time. <i>Physical Review Letters</i> , 2009, 102, 080402.	2.9	134
18	An unexpectedly low oscillator strength as the origin of the Fe XVII emission problem. <i>Nature</i> , 2012, 492, 225-228.	13.7	133

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19	Narrowing Spontaneous Emission without Intensity Reduction. Physical Review Letters, 1999, 83, 1307-1310.	2.9	131
20	Barrier Control in Tunneling $\langle \langle \mathbf{e} \cdot \mathbf{a} \rangle \rangle$ Photoproduction. Physical Review Letters, 2009, 103, 170403.	2.9	130
21	Strong Signatures of Radiation Reaction below the Radiation-Dominated Regime. Physical Review Letters, 2009, 102, 254802.	2.9	127
22	High Harmonic Generation Beyond the Electric Dipole Approximation. Physical Review Letters, 2000, 85, 5082-5085.	2.9	125
23	X-ray quantum optics. Journal of Modern Optics, 2013, 60, 2-21.	0.6	120
24	Quantum interference effects in spontaneous atomic emission: Dependence of the resonance fluorescence spectrum on the phase of the driving field. Physical Review A, 1997, 55, 4483-4491.	1.0	119
25	Implementing nonlinear Compton scattering beyond the local-constant-field approximation. Physical Review A, 2018, 98, .	1.0	118
26	Determining the Carrier-Envelope Phase of Intense Few-Cycle Laser Pulses. Physical Review Letters, 2010, 105, 063903.	2.9	115
27	Spin Signatures in Intense Laser-Ion Interaction. Physical Review Letters, 1999, 83, 4709-4712.	2.9	110
28	A matterless double slit. Nature Photonics, 2010, 4, 92-94.	15.6	109
29	Roadmap on STIRAP applications. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 202001.	0.6	108
30	Nuclear Quantum Optics with X-Ray Laser Pulses. Physical Review Letters, 2006, 96, 142501.	2.9	106
31	FFT-split-operator code for solving the Dirac equation in 2+1 dimensions. Computer Physics Communications, 2008, 178, 868-882.	3.0	102
32	Monte Carlo classical simulations of ionization and harmonic generation in the relativistic domain. Physical Review A, 1995, 51, 1420-1430.	1.0	98
33	Ultrarelativistic Electron-Beam Polarization in Single-Shot Interaction with an Ultraintense Laser Pulse. Physical Review Letters, 2019, 122, 154801.	2.9	92
34	Intense laser - atom dynamics with the two-dimensional Dirac equation. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, L531-L539.	0.6	90
35	Electron scattering and acceleration by a tightly focused laser beam. Physical Review Special Topics: Accelerators and Beams, 2002, 5, .	1.8	89
36	Improved local-constant-field approximation for strong-field QED codes. Physical Review A, 2019, 99, .	1.0	89

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37	Under-the-Barrier Dynamics in Laser-Induced Relativistic Tunneling. Physical Review Letters, 2013, 110, 153004.	2.9	88
38	Frontiers of Atomic High-Harmonic Generation. Advances in Atomic, Molecular and Optical Physics, 2012, 61, 159-208.	2.3	87
39	Ionization Time and Exit Momentum in Strong-Field Tunnel Ionization. Physical Review Letters, 2016, 116, 063003.	2.9	87
40	Direct High-Power Laser Acceleration of Ions for Medical Applications. Physical Review Letters, 2008, 100, 155004.	2.9	85
41	Tunneling Dynamics in Multiphoton Ionization and Attoclock Calibration. Physical Review Letters, 2015, 114, 083001.	2.9	84
42	Vacuum-Induced Processes in Multilevel Atoms. Progress in Optics, 2010, 55, 85-197.	0.4	80
43	Nonperturbative multiphoton electron-positron pair creation in laser fields. Physical Review A, 2010, 81, .	1.0	75
44	Spin and radiation in intense laser fields. Physical Review A, 2002, 65, .	1.0	73
45	Dynamics of multiply charged ions in intense laser fields. Physical Review A, 2001, 63, .	1.0	69
46	Harmonic generation from laser-driven vacuum. Physical Review D, 2005, 72, .	1.6	67
47	Identification of the Predicted Crossing Optical Lines with Applications to Metrology and Searches for the Variation of Fundamental Constants. Physical Review Letters. 2015, 114, 150801.	2.9	67
48	Double-slit vacuum polarization effects in ultraintense laser fields. Physical Review A, 2010, 82, .	1.0	65
49	Accelerating the Fourier split operator method via graphics processing units. Computer Physics Communications, 2011, 182, 2454-2463.	3.0	65
50	Polarized Positron Beams via Intense Two-Color Laser Pulses. Physical Review Letters, 2019, 123, 174801.	2.9	65
51	Photon splitting in a laser field. Physical Review A, 2007, 76, .	1.0	64
52	High-Energy Vacuum Birefringence and Dichroism in an Ultrastrong Laser Field. Physical Review Letters, 2017, 119, 250403.	2.9	63
53	Photon-photon scattering in collisions of intense laser pulses. New Journal of Physics, 2012, 14, 103002.	1.2	62
54	Semiclassical picture for electron-positron photoproduction in strong laser fields. Physical Review D, 2016, 93, .	1.6	62

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55	Laser-pulse-shape control of seeded QED cascades. Scientific Reports, 2017, 7, 5694.	1.6	62
56	Phase Control of Collective Quantum Dynamics. Physical Review Letters, 2003, 91, 233601.	2.9	61
57	Quantum dynamics of relativistic electrons. Journal of Computational Physics, 2004, 199, 558-588.	1.9	61
58	Radiation reaction effects on electron nonlinear dynamics and ion acceleration in laser-solid interaction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 653, 181-185.	0.7	61
59	Isomer Triggering via Nuclear Excitation by Electron Capture. Physical Review Letters, 2007, 99, 172502.	2.9	60
60	Relativistic features and time delay of laser-induced tunnel ionization. Physical Review A, 2013, 88, .	1.0	58
61	Polarization-operator approach to electron-positron pair production in combined laser and Coulomb fields. Physical Review A, 2006, 73, .	1.0	57
62	Polarized Ultrashort Brilliant Multi-GeV γ Rays via Single-Shot Laser-Electron Interaction. Physical Review Letters, 2020, 124, 014801.	2.9	57
63	Spin Dynamics in the Kapitza-Dirac Effect. Physical Review Letters, 2012, 109, 043601.	2.9	56
64	Polarization-operator approach to pair creation in short laser pulses. Physical Review D, 2015, 91, .	1.6	55
65	Probing the ionization wave packet and recollision dynamics with an elliptically polarized strong laser field in the nondipole regime. Physical Review A, 2018, 97, .	1.0	55
66	Relativistic electron dynamics in intense crossed laser beams: Acceleration and Compton harmonics. Physical Review E, 2003, 67, 016501.	0.8	54
67	Quantum Interference Enforced by Time-Energy Complementarity. Physical Review Letters, 2006, 96, 100403.	2.9	54
68	Relativistic quantum optics. Contemporary Physics, 2001, 42, 353-363.	0.8	52
69	Nonperturbative Vacuum-Polarization Effects in Proton-Laser Collisions. Physical Review Letters, 2008, 100, 010403.	2.9	52
70	Single-Photon Entanglement in the keV Regime via Coherent Control of Nuclear Forward Scattering. Physical Review Letters, 2009, 103, 017401.	2.9	52
71	Polarized Laser-WakeField-Accelerated Kiloampere Electron Beams. Physical Review Letters, 2019, 122, 214801.	2.9	52
72	A real space split operator method for the Klein-Gordon equation. Journal of Computational Physics, 2009, 228, 9092-9106.	1.9	49

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73	$\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle mml:mi>g</mml:mi> \langle /mml:math>$ Factor of Light Ions for an Improved Determination of the Fine-Structure Constant. Physical Review Letters, 2016, 116, 100801.	2.9	49
74	Coherent Storage and Phase Modulation of Single Hard-X-Ray Photons Using Nuclear Excitons. Physical Review Letters, 2012, 109, 197403.	2.9	46
75	Giant collimated gamma-ray flashes. Nature Photonics, 2018, 12, 319-323.	15.6	46
76	Electric-dipole-forbidden nuclear transitions driven by super-intense laser fields. Physical Review C, 2008, 77, .	1.1	45
77	Dense Monoenergetic Proton Beams from Chirped Laser-Plasma Interaction. Physical Review Letters, 2011, 107, 185002.	2.9	45
78	Extraction of the electron mass from $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> \langle mml:mi>g</mml:mi> \langle /mml:math>$ -factor measurements on light hydrogenlike ions. Physical Review A, 2017, 96, .	1.0	44
79	$\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle mml:mi>\hat{I}^3</mml:mi> \langle /mml:math>$ -Ray Beams with Large Orbital Angular Momentum via Nonlinear Compton Scattering with Radiation Reaction. Physical Review Letters, 2018, 121, 074801.	2.9	44
80	Exact analysis of ultrahigh laser-induced acceleration of electrons by cyclotron autoresonance. Physical Review A, 2000, 62, .	1.0	43
81	Laser Control of Collective Spontaneous Emission. Physical Review Letters, 2003, 91, 123601.	2.9	43
82	Nuclear coherent population transfer with X-ray laser pulses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 134-138.	1.5	43
83	Ultrarelativistic polarized positron jets via collision of electron and ultraintense laser beams. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135120.	1.5	43
84	Radiative reaction in ultra-intense laser - atom interaction. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, L75-L83.	0.6	42
85	Fully relativistic laser-induced ionization and recollision processes. Physical Review A, 2007, 75, .	1.0	42
86	g Factor of Boronlike Argon Ar4013+. Physical Review Letters, 2019, 122, 253001.	2.9	42
87	Relativistic High-Harmonic Generation. Europhysics Letters, 1993, 24, 539-544.	0.7	41
88	Spontaneous-Emission Suppression on Arbitrary Atomic Transitions. Physical Review Letters, 2002, 89, 163601.	2.9	41
89	Dominant Secondary Nuclear Photoexcitation with the X-Ray Free-Electron Laser. Physical Review Letters, 2014, 112, .	2.9	41
90	Attosecond Gamma-Ray Pulses via Nonlinear Compton Scattering in the Radiation-Dominated Regime. Physical Review Letters, 2015, 115, 204801.	2.9	41

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91	Journeys from quantum optics to quantum technology. Progress in Quantum Electronics, 2017, 54, 19-45.	3.5	41
92	Spectral narrowing of x-ray pulses for precision spectroscopy with nuclear resonances. Science, 2017, 357, 375-378.	6.0	41
93	QED Theory of the Nuclear Magnetic Shielding in Hydrogenlike Ions. Physical Review Letters, 2011, 107, 043004.	2.9	39
94	Nuclear excitation by electron capture followed by fast x-ray emission. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 661, 330-334.	1.5	38
95	Polarization operator for plane-wave background fields. Physical Review D, 2013, 88, .	1.6	38
96	Phase of harmonics from strongly driven two-level atoms. Physical Review A, 1997, 55, 615-621.	1.0	37
97	Above-threshold ionization beyond the dipole approximation. Physical Review A, 2005, 71, .	1.0	37
98	What is the relativistic spin operator?. New Journal of Physics, 2014, 16, 043012.	1.2	37
99	Bound atomic dynamics in the MeV regime. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, L275-L283.	0.6	36
100	Relativistic ionization characteristics of laser-driven hydrogenlike ions. Physical Review A, 2011, 83, .	1.0	36
101	Positronium in Intense Laser Fields. Physical Review Letters, 2004, 93, .	2.9	35
102	Laser Channeling of Bethe-Heitler Pairs. Physical Review Letters, 2008, 101, 203001.	2.9	35
103	Effect of a strong laser field on electron-positron photoproduction by relativistic nuclei. Physical Review A, 2010, 81, .	1.0	35
104	Relativistic spin operators in various electromagnetic environments. Physical Review A, 2014, 89, .	1.0	35
105	Nuclear correlation in ionization and harmonic generation of H ₂ ⁺ in short intense laser pulses. Physical Review A, 2001, 65, .	1.0	34
106	Muon pair creation from positronium in a circularly polarized laser field. Physical Review D, 2006, 74, .	1.6	34
107	Ionization Dynamics versus Laser Intensity in Laser-Driven Multiply Charged Ions. Physical Review Letters, 2009, 102, 083003.	2.9	34
108	Resonance fluorescence in ultrafast and intense x-ray free-electron-laser pulses. Physical Review A, 2012, 86, .	1.0	34

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109	Broadband high-resolution X-ray frequency combs. <i>Nature Photonics</i> , 2014, 8, 520-523.	15.6	34
110	Spin polarized electron-positron pair production via elliptical polarized laser fields. <i>Physical Review D</i> , 2015, 91, .	1.6	34
111	Fields of an ultrashort tightly focused laser pulse. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 405.	0.9	34
112	Enhancement of vacuum polarization effects in a plasma. <i>Physics of Plasmas</i> , 2007, 14, 032102.	0.7	33
113	Kapitza-Dirac effect in the relativistic regime. <i>Physical Review A</i> , 2013, 88, .	1.0	33
114	Robust Signatures of Quantum Radiation Reaction in Focused Ultrashort Laser Pulses. <i>Physical Review Letters</i> , 2014, 113, 044801.	2.9	33
115	Photoemission of a Single-Electron Wave Packet in a Strong Laser Field. <i>Physical Review Letters</i> , 2008, 100, 153601.	2.9	32
116	Interplay between Coulomb-focusing and non-dipole effects in strong-field ionization with elliptical polarization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 114001.	0.6	32
117	Zeeman splitting and g factor of the $1s2s2p3d^2$ and $1d^2$ levels in Ar^{13+} . <i>Physical Review A</i> , 2007, 76, .	1.0	31
118	Detection of metastable electronic states by Penning trap mass spectrometry. <i>Nature</i> , 2020, 581, 42-46.	13.7	31
119	Nuclear Signatures in High-Order Harmonic Generation from Laser-Driven Muonic Atoms. <i>Physical Review Letters</i> , 2007, 98, 263901.	2.9	30
120	Nuclear Shape Effect on the $\langle g \rangle$ Factor of Hydrogenlike Ions. <i>Physical Review Letters</i> , 2012, 108, 063005.	2.9	30
121	Spin-one-half particles in strong electromagnetic fields: Spin effects and radiation reaction. <i>Physical Review A</i> , 2017, 95, .	1.0	30
122	Lamb Shift of Laser-Dressed Atomic States. <i>Physical Review Letters</i> , 2003, 91, 253601.	2.9	29
123	Gauge-invariant relativistic strong-field approximation. <i>Physical Review A</i> , 2006, 73, .	1.0	29
124	Microscopic laser-driven high-energy colliders. <i>Europhysics Letters</i> , 2006, 76, 29-35.	0.7	29
125	Relativistic ionization rescattering with tailored laser pulses. <i>Physical Review A</i> , 2006, 74, .	1.0	29
126	Coherent hard x rays from attosecond pulse train-assisted harmonic generation. <i>Optics Letters</i> , 2008, 33, 411.	1.7	29

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127	Enhanced Recollisions for Antisymmetric Molecular Orbitals in Intense Laser Fields. Physical Review Letters, 2006, 97, 143901.	2.9	28
128	Dynamic nuclear Stark shift in superintense laser fields. Physical Review C, 2006, 74, .	1.1	28
129	Detection of the 5p \leftrightarrow 4f orbital crossing and its optical clock transition in Pr ⁹⁺ . Nature Communications, 2019, 10, 5651.	5.8	28
130	Measurement of the bound-electron g-factor difference in coupled ions. Nature, 2022, 606, 479-483.	13.7	28
131	Coherent x-ray pulse generation in the sub-Ångström regime. Applied Physics Letters, 2002, 80, 541-543.	1.5	27
132	Identifying the Stern-Gerlach force of classical electron dynamics. Scientific Reports, 2016, 6, 31624.	1.6	27
133	Muon-Pair Creation by Two X-Ray Laser Photons in the Field of an Atomic Nucleus. Physical Review Letters, 2008, 101, 060402.	2.9	26
134	Coulomb-field-induced conversion of a high-energy photon into a pair assisted by a counterpropagating laser beam. New Journal of Physics, 2009, 11, 013054.	1.2	26
135	QED calculation of the nuclear magnetic shielding for hydrogenlike ions. Physical Review A, 2012, 85, .	1.0	26
136	Overview of laser-driven generation of electron-positron beams. Journal of Plasma Physics, 2015, 81, .	0.7	26
137	Coherent X-ray optical control of nuclear excitons. Nature, 2021, 590, 401-404.	13.7	26
138	Coherent manipulation of collective three-level systems. Physical Review A, 2005, 71, .	1.0	25
139	Particle physics with a laser-driven positronium atom. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 209-213.	1.5	25
140	Astrophysical Line Diagnosis Requires Nonlinear Dynamical Atomic Modeling. Physical Review Letters, 2014, 113, 143001.	2.9	25
141	High-Energy Recollision Processes of Laser-Generated Electron-Positron Pairs. Physical Review Letters, 2015, 114, 143201.	2.9	25
142	Tailoring superradiance to design artificial quantum systems. Scientific Reports, 2016, 6, 23628.	1.6	25
143	^{93}Mo Isomer Depletion via Beam-Based Nuclear Excitation by Electron Capture. Physical Review Letters, 2019, 122, 212501.	2.9	25
144	High Resolution Photoexcitation Measurements Exacerbate the Long-Standing Fe XVII Oscillator Strength Problem. Physical Review Letters, 2020, 124, 225001.	2.9	25

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145	Muon pair creation from positronium in a linearly polarized laser field. <i>Physical Review A</i> , 2008, 78, .	1.0	24
146	Streaking at high energies with electrons and positrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 702, 383-387.	1.5	24
147	High-Precision Metrology of Highly Charged Ions via Relativistic Resonance Fluorescence. <i>Physical Review Letters</i> , 2011, 106, 033001.	2.9	24
148	Coherence-Enhanced Optical Determination of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Th} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle / \rangle \langle \text{mml:none} \rangle / \rangle \langle \text{mml:mn} \rangle 229 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ Isomeric Transition. <i>Physical Review Letters</i> , 2012, 109, 262502.	2.9	24
149	Nuclear recollisions in laser-assisted $\hat{I}\pm$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 723, 401-405.	1.5	24
150	Electron-correlation effects in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mi} \rangle \text{g} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ factor of light Li-like ions. <i>Physical Review A</i> , 2017, 95, .	1.0	24
151	Structural trends in atomic nuclei from laser spectroscopy of tin. <i>Communications Physics</i> , 2020, 3, .	2.0	24
152	Vacuum modified resonance fluorescence in intense laser fields. <i>Journal of Modern Optics</i> , 1996, 43, 1555-1562.	0.6	23
153	Laser acceleration of proton bunches by petawatt chirped linearly polarized laser pulses. <i>Physical Review A</i> , 2012, 85, .	1.0	23
154	Three-beam setup for coherently controlling nuclear-state population. <i>Physical Review C</i> , 2013, 87, .	1.1	23
155	Tailoring Laser-Generated Plasmas for Efficient Nuclear Excitation by Electron Capture. <i>Physical Review Letters</i> , 2018, 120, 052504.	2.9	23
156	Switching Between Rayleigh-like and Lorentzian Lineshapes of the Dispersion in Driven Two-level Atoms. <i>Journal of Modern Optics</i> , 1995, 42, 985-1003.	0.6	22
157	Electron dynamics controlled via self-interaction. <i>Physical Review E</i> , 2014, 89, 021201.	0.8	22
158	Extremely Dense Gamma-Ray Pulses in Electron Beam-Multifoil Collisions. <i>Physical Review Letters</i> , 2021, 126, 064801.	2.9	22
159	High-energy $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mi} \rangle \hat{I}^3 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -photon polarization in nonlinear Breit-Wheeler pair production and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mi} \rangle \hat{I}^3 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ polarimetry. <i>Physical Review Research</i> , 2020, 2, .	1.3	22
160	Relativistic classical Monte Carlo simulations of stabilization of hydrogenlike ions in intense laser pulses. <i>Physical Review A</i> , 2002, 65, .	1.0	21
161	Quantum Signatures in Laser-Driven Relativistic Multiple Scattering. <i>Physical Review Letters</i> , 2003, 91, 173202.	2.9	21
162	Quantum correlations of an atomic ensemble via an incoherent bath. <i>Physical Review A</i> , 2005, 72, .	1.0	21

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163	Electron-spin dynamics induced by photon spins. <i>New Journal of Physics</i> , 2014, 16, 103028.	1.2	21
164	Under-the-Tunneling-Barrier Recollisions in Strong-Field Ionization. <i>Physical Review Letters</i> , 2018, 120, 013201.	2.9	21
165	Measurement of the quadrupole moment of ^{185}Re and ^{187}Re from the hyperfine structure of muonic X rays. <i>Physical Review C</i> , 2020, 101, .	1.1	21
166	High-energy, nuclear, and QED processes in strong laser fields. <i>Laser Physics</i> , 2008, 18, 175-184.	0.6	20
167	Abundant positron production. <i>Nature Photonics</i> , 2009, 3, 245-246.	15.6	20
168	Generation of twisted γ -ray radiation by nonlinear Thomson scattering of twisted light. <i>Matter and Radiation at Extremes</i> , 2019, 4, .	1.5	20
169	Fifth-force search with the bound-electron g factor. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 807, 135527.	1.5	20
170	Strong-Field Spatial Interference in a Tailored Electromagnetic Bath. <i>Physical Review Letters</i> , 2007, 98, 043602.	2.9	19
171	Relativistic nonperturbative above-threshold phenomena in strong laser fields. <i>Laser Physics</i> , 2009, 19, 1743-1752.	0.6	19
172	Weighted difference of g factors of light Li-like and H-like ions for an improved determination of the fine-structure constant. <i>Physical Review A</i> , 2016, 94, .	1.0	19
173	Analytical approach to Coulomb focusing in strong-field ionization. I. Nondipole effects. <i>Physical Review A</i> , 2018, 97, .	1.0	19
174	Holographic interferences in strong-field ionization beyond the dipole approximation: The influence of the peak and focal-volume-averaged laser intensities. <i>Physical Review A</i> , 2019, 100, .	1.0	19
175	Laser-driven relativistic recollisions. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, B92.	0.9	18
176	Laser-photon merging in proton-laser collisions. <i>Physical Review A</i> , 2008, 78, .	1.0	17
177	Laser-guided relativistic quantum dynamics. <i>New Journal of Physics</i> , 2009, 11, 105045.	1.2	17
178	Phase-matched coherent hard X-rays from relativistic high-order harmonic generation. <i>Europhysics Letters</i> , 2011, 94, 14002.	0.7	17
179	Generation of correlated photon pairs in different frequency ranges. <i>Physical Review A</i> , 2012, 85, .	1.0	17
180	Attosecond pulses at kiloelectronvolt photon energies from high-order-harmonic generation with core electrons. <i>Physical Review A</i> , 2013, 88, .	1.0	17

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181	Mass-Difference Measurements on Heavy Nuclides with an $\int c^2 dt$ Accuracy in the PENTATRAP Spectrometer. <i>Physical Review Letters</i> , 2020, 124, 113001.	2.9	17
182	Optimizing direct intense-field laser acceleration of ions. <i>Physical Review A</i> , 2011, 84, .	1.0	16
183	Collapse-and-revival dynamics of strongly laser-driven electrons. <i>Physical Review A</i> , 2013, 87, .	1.0	16
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