

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	Photon polarization effects in polarized electron-positron pair production in a strong laser field. Matter and Radiation at Extremes, 2022, 7, .	1.5	11
2	Generation of arbitrarily polarized GeV lepton beams via nonlinear Breit-Wheeler process. Fundamental Research, 2022, 2, 539-545.	1.6	10
3	High-Brilliance Ultranarrow-Band X Rays via Electron Radiation in Colliding Laser Pulses. Physical Review Letters, 2022, 128, 024801.	2.9	5
4	Quasimonoenergetic Proton Acceleration via Quantum Radiative Compression. Physical Review Applied, 2022, 17, .	1.5	5
5	Nondipole Coulomb sub-barrier ionization dynamics and photon momentum sharing. Physical Review A, 2022, 105, .	1.0	9
6	Single particle detection system for strong-field QED experiments. New Journal of Physics, 2022, 24, 015002.	1.2	7
7	Deciphering <i>in situ</i> electron dynamics of ultrarelativistic plasma via polarization pattern of emitted γ -photons. Physical Review Research, 2022, 4, .	1.3	6
8	Helicity Transfer in Strong Laser Fields via the Electron Anomalous Magnetic Moment. Physical Review Letters, 2022, 128, 174801.	2.9	11
9	Dynamical Control of Nuclear Isomer Depletion via Electron Vortex Beams. Physical Review Letters, 2022, 128, 162501.	2.9	5
10	Subcycle time-resolved nondipole dynamics in tunneling ionization. Physical Review A, 2022, 105, .	1.0	8
11	Nondipole Time Delay and Double-Slit Interference in Tunneling Ionization. Physical Review Letters, 2022, 128, 183201.	2.9	5
12	Evidence Against Nuclear Polarization as Source of Fine-Structure Anomalies in Muonic Atoms. Physical Review Letters, 2022, 128, .	2.9	10
13	Measurement of the bound-electron g-factor difference in coupled ions. Nature, 2022, 606, 479-483.	13.7	28
14	Tunneling ionization in ultrashort laser pulses: Edge effect and remedy. Physical Review A, 2022, 105, .	1.0	0
15	Electron spin- and photon polarization-resolved probabilities of strong-field QED processes. Physical Review D, 2022, 105, .	1.6	15
16	Interactions between EUV Pulse Trains and Highly Charged Ions. , 2022, , .		0
17	A Cosmic Zevatron Based on Cyclotron Auto-resonance. Astrophysical Journal, 2021, 907, 24.	1.6	4
18	Extremely Dense Gamma-Ray Pulses in Electron Beam-Multifoil Collisions. Physical Review Letters, 2021, 126, 064801.	2.9	22

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19	Coherent X-ray ² optical control of nuclear excitons. Nature, 2021, 590, 401-404.	13.7	26
20	Anomalous violation of the local constant field approximation in colliding laser beams. Physical Review Research, 2021, 3, .	1.3	11
21	Two-loop virtual light-by-light scattering corrections to the bound-electron g factor. Physical Review A, 2021, 103, .	1.0	7
22	Transmutation of protons in a strong electromagnetic field. New Journal of Physics, 2021, 23, 065007.	1.2	3
23	Ultrarelativistic electrons in counterpropagating laser beams. New Journal of Physics, 2021, 23, 065005.	1.2	6
24	Two-photon-exchange corrections to the g factor of Li-like ions. Physical Review A, 2021, 104, .	1.0	5
25	Direct Q -Value Determination of the $I^2\hat{\alpha}$ Decay of Re	2.9	16
26	Role of reflections in the generation of a time delay in strong-field ionization. Physical Review A, 2021, 104, .	1.0	6
27	Retrieving Transient Magnetic Fields of Ultrarelativistic Laser Plasma via Ejected Electron Polarization. Physical Review Letters, 2021, 127, 165002.	2.9	15
28	Observing light-by-light scattering in vacuum with an asymmetric photon collider. Physical Review D, 2021, 104, .	1.6	9
29	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
30	Spontaneous decay processes in a classical strong low-frequency laser field. Physical Review A, 2020, 102, .	1.0	3
31	Sub-barrier pathways to Freeman resonances. Physical Review A, 2020, 102, .	1.0	1
32	Self-energy screening effects in the g factor of Li-like ions. Physical Review A, 2020, 102, .	1.0	7
33	Interrogating the Temporal Coherence of EUV Frequency Combs with Highly Charged Ions. Physical Review Letters, 2020, 125, 093201.	2.9	10
34	Detection of metastable electronic states by Penning trap mass spectrometry. Nature, 2020, 581, 42-46.	13.7	31
35	High Resolution Photoexcitation Measurements Exacerbate the Long-Standing Fe XVII Oscillator Strength Problem. Physical Review Letters, 2020, 124, 225001.	2.9	25
36	Skyrme-type nuclear interaction as a tool for calculating the finite-nuclear-size correction to atomic energy levels and the bound-electron g factor. Physical Review A, 2020, 101, .	1.0	7

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37	Narrow-band hard-x-ray lasing with highly charged ions. <i>Scientific Reports</i> , 2020, 10, 9439.	1.6	9
38	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
39	Structural trends in atomic nuclei from laser spectroscopy of tin. <i>Communications Physics</i> , 2020, 3, .	2.0	24
40	Mass-Difference Measurements on Heavy Nuclides with an γ -ray β - β transition. <i>Physical Review Letters</i> , 2020, 124, 113001.	2.9	17
41	QED corrections to the g factor of Li- and B-like ions. <i>Physical Review A</i> , 2020, 101, .	1.0	12
42	Polarized Ultrashort Brilliant Multi-GeV γ Rays via Single-Shot Laser-Electron Interaction. <i>Physical Review Letters</i> , 2020, 124, 014801.	2.9	57
43	Self-energy-corrected Dirac wave functions for advanced QED calculations in highly charged ions. <i>Physical Review A</i> , 2020, 101, .	1.0	6
44	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
45	Theory of the two-loop self-energy correction to the g factor in nonperturbative Coulomb fields. <i>Physical Review Research</i> , 2020, 2, .	1.3	14
46	i Ab initio quantum models for thin-film x-ray cavity QED. <i>Physical Review Research</i> , 2020, 2, .	1.3	16
47	High-energy γ -photon polarization in nonlinear Breit-Wheeler pair production and γ polarimetry. <i>Physical Review Research</i> , 2020, 2, .	1.3	22
48	Roadmap on STIRAP applications. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 202001.	0.6	108
49	g Factor of Boronlike Argon Ar4013+. <i>Physical Review Letters</i> , 2019, 122, 253001.	2.9	42
50	Polarized Positron Beams via Intense Two-Color Laser Pulses. <i>Physical Review Letters</i> , 2019, 123, 174801.	2.9	65
51	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
52	Determining the carrier-envelope phase of relativistic laser pulses via electron-momentum distribution. <i>Physical Review A</i> , 2019, 99, .	1.0	2
53	Semiclassical limitations for photon emission in strong external fields. <i>Physical Review A</i> , 2019, 99, .	1.0	7
54	Polarized Laser-WakeField-Accelerated Kiloampere Electron Beams. <i>Physical Review Letters</i> , 2019, 122, 214801.	2.9	52

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55	$\langle \mathbf{g} \mathbf{g} \rangle$ <p>Isomer Depletion via Beam-Based Nuclear Excitation by Electron Capture. Physical Review Letters, 2019, 122, 212501.</p>	2.9	25
56	Ultrarelativistic Electron-Beam Polarization in Single-Shot Interaction with an Ultraintense Laser Pulse. Physical Review Letters, 2019, 122, 154801.	2.9	92
57	Improved local-constant-field approximation for strong-field QED codes. Physical Review A, 2019, 99, .	1.0	89
58	Nonperturbative analysis of nuclear shape effects on the bound electron $\langle \mathbf{g} \mathbf{g} \rangle$ factor. Physical Review A, 2019, 99, .	1.0	9
59	Nonlinear Compton scattering of an ultraintense laser pulse in a plasma. Physical Review E, 2019, 99, 033205.	0.8	15
60	Generation of twisted \hat{I}^3 -ray radiation by nonlinear Thomson scattering of twisted light. Matter and Radiation at Extremes, 2019, 4, .	1.5	20
61	X-ray-assisted nuclear excitation by electron capture in optical laser-generated plasmas. Physical Review A, 2019, 100, .	1.0	7
62	Detection of the 5p \leftrightarrow 4f orbital crossing and its optical clock transition in Pr ⁹⁺ . Nature Communications, 2019, 10, 5651.	5.8	28
63	Nonlinear quantum electrodynamics in ultra-high intensity laser-plasma interactions. , 2019, , .		0
64	Giant collimated gamma-ray flashes. Nature Photonics, 2018, 12, 319-323.	15.6	46
65	Interplay between Coulomb-focusing and non-dipole effects in strong-field ionization with elliptical polarization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 114001.	0.6	32
66	Tailoring Laser-Generated Plasmas for Efficient Nuclear Excitation by Electron Capture. Physical Review Letters, 2018, 120, 052504.	2.9	23
67	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
68	Under-the-Tunneling-Barrier Recollisions in Strong-Field Ionization. Physical Review Letters, 2018, 120, 013201.	2.9	21
69	Single-Shot Carrier-Envelope Phase Determination of Long Superintense Laser Pulses. Physical Review Letters, 2018, 120, 124803.	2.9	11
70	Electron-angular-distribution reshaping in the quantum radiation-dominated regime. Physical Review A, 2018, 98, .	1.0	5
71	The $\langle \mathbf{g} \mathbf{g} \rangle$ factor of highly charged ions. Journal of Physics: Conference Series, 2018, 1138, 012002.	0.3	7
72	High-energy direct photoelectron spectroscopy in strong-field ionization. Physical Review A, 2018, 98, .	1.0	5

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73	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
74	Improving the accuracy of the muon mass and magnetic moment anomaly via the bound-muon $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle g \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ factor. <i>Physical Review D</i> , 2018, 97, .	1.6	4
75	Nuclear excitation by electron capture in optical-laser-generated plasmas. <i>Physical Review E</i> , 2018, 97, 063205.	0.8	12
76	Implementing nonlinear Compton scattering beyond the local-constant-field approximation. <i>Physical Review A</i> , 2018, 98, .	1.0	118
77	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \hat{I}^3 \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ -Ray Beams with Large Orbital Angular Momentum via Nonlinear Compton Scattering with Radiation Reaction. <i>Physical Review Letters</i> , 2018, 121, 074801.	2.9	44
78	Analytical approach to Coulomb focusing in strong-field ionization. I. Nondipole effects. <i>Physical Review A</i> , 2018, 97, .	1.0	19
79	Analytical approach to Coulomb focusing in strong-field ionization. II. Multiple recollisions. <i>Physical Review A</i> , 2018, 97, .	1.0	10
80	Strong-field ionization via a high-order Coulomb-corrected strong-field approximation. <i>Physical Review A</i> , 2017, 95, .	1.0	13
81	Spin-one-half particles in strong electromagnetic fields: Spin effects and radiation reaction. <i>Physical Review A</i> , 2017, 95, .	1.0	30
82	Theoretical prediction of the fine and hyperfine structure of heavy muonic atoms. <i>Physical Review A</i> , 2017, 96, .	1.0	11
83	Hyperfine splitting in simple ions for the search of the variation of fundamental constants. <i>Physical Review A</i> , 2017, 96, .	1.0	10
84	Analytic model of a multi-electron atom. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 245007.	0.6	8
85	Angle-resolved stochastic photon emission in the quantum radiation-dominated regime. <i>Scientific Reports</i> , 2017, 7, 11556.	1.6	14
86	Journeys from quantum optics to quantum technology. <i>Progress in Quantum Electronics</i> , 2017, 54, 19-45.	3.5	41
87	Laser-pulse-shape control of seeded QED cascades. <i>Scientific Reports</i> , 2017, 7, 5694.	1.6	62
88	Spectral narrowing of x-ray pulses for precision spectroscopy with nuclear resonances. <i>Science</i> , 2017, 357, 375-378.	6.0	41
89	Experimental Evidence for Quantum Tunneling Time. <i>Physical Review Letters</i> , 2017, 119, 023201.	2.9	152
90	Extraction of the electron mass from $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \rangle g \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ -factor measurements on light hydrogenlike ions. <i>Physical Review A</i> , 2017, 96, .	1.0	44

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91	Plasma high-order-harmonic generation from ultraintense laser pulses. Physical Review E, 2017, 95, 051201.	0.8	11
92	Electron-correlation effects in the g factor of light Li-like ions. Physical Review A, 2017, 95, .	1.0	24
93	High-Energy Vacuum Birefringence and Dichroism in an Ultrastrong Laser Field. Physical Review Letters, 2017, 119, 250403.	2.9	63
94	Identifying the Stern-Gerlach force of classical electron dynamics. Scientific Reports, 2016, 6, 31624.	1.6	27
95	Tailoring superradiance to design artificial quantum systems. Scientific Reports, 2016, 6, 23628.	1.6	25
96	Fields of an ultrashort tightly focused laser pulse. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 405.	0.9	34
97	Multi-pair states in electron-positron pair creation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 552-557.	1.5	10
98	Virtual-detector approach to tunnel ionization and tunneling times. Physical Review A, 2016, 94, .	1.0	15
99	Weighted difference of g factors of light Li-like and H-like ions for an improved determination of the fine-structure constant. Physical Review A, 2016, 94, .	1.0	19
100	Semiclassical picture for electron-positron photoproduction in strong laser fields. Physical Review D, 2016, 93, .	1.6	62
101	Ionization Time and Exit Momentum in Strong-Field Tunnel Ionization. Physical Review Letters, 2016, 116, 063003.	2.9	87
102	Bosonic pair creation and the Schiff-Snyder-Weinberg effect. Physical Review A, 2016, 93, .	1.0	7
103	g Factor of Light Ions for an Improved Determination of the Fine-Structure Constant. Physical Review Letters, 2016, 116, 100801.	2.9	49
104	X-ray-generated heralded macroscopical quantum entanglement of two nuclear ensembles. Scientific Reports, 2016, 6, 33361.	1.6	13
105	X-ray fluorescence spectrum of highly charged Fe ions driven by strong free-electron-laser fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 094003.	0.6	7
106	Overview of laser-driven generation of electron-positron beams. Journal of Plasma Physics, 2015, 81, .	0.7	26
107	Spin polarized electron-positron pair production via elliptical polarized laser fields. Physical Review D, 2015, 91, .	1.6	34
108	Regularization of ultraviolet divergence for a particle interacting with a scalar quantum field. Physical Review D, 2015, 92, .	1.6	3

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109	Attosecond Gamma-Ray Pulses via Nonlinear Compton Scattering in the Radiation-Dominated Regime. <i>Physical Review Letters</i> , 2015, 115, 204801.	2.9	41
110	Direct and secondary nuclear excitation with x-ray free-electron lasers. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	14
111	Nonlinear neutrino-photon interactions inside strong laser pulses. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	10
112	Particle beams in ultrastrong laser fields: direct laser acceleration and radiation reaction effects. <i>Journal of Physics: Conference Series</i> , 2015, 594, 012018.	0.3	2
113	Spin dynamics in relativistic light-matter interaction. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
114	Tunneling Dynamics in Multiphoton Ionization and Attoclock Calibration. <i>Physical Review Letters</i> , 2015, 114, 083001.	2.9	84
115	Polarization-operator approach to pair creation in short laser pulses. <i>Physical Review D</i> , 2015, 91, .	1.6	55
116	Relativistic tunneling picture of electron-positron pair creation. <i>Physical Review D</i> , 2015, 91, .	1.6	13
117	High-Energy Recollision Processes of Laser-Generated Electron-Positron Pairs. <i>Physical Review Letters</i> , 2015, 114, 143201.	2.9	25
118	Identification of the Predicted γ Crossing Optical Lines with Applications to Metrology and Searches for the Variation of Fundamental Constants. <i>Physical Review Letters</i> , 2015, 114, 150801.	2.9	67
119	Laser-driven Thomson scattering for the generation of ultra-bright multi-MeV gamma-ray beams. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
120	Generation of neutral and high-density electron-positron pair plasmas in the laboratory. <i>Nature Communications</i> , 2015, 6, 6747.	5.8	252
121	Feasibility of electron cyclotron autoresonance acceleration by a short terahertz pulse. <i>Optics Express</i> , 2015, 23, 17560.	1.7	6
122	Electron-spin dynamics induced by photon spins. <i>New Journal of Physics</i> , 2014, 16, 103028.	1.2	21
123	Particle production reactions in laser-boosted lepton collisions. <i>Physical Review D</i> , 2014, 90, .	1.6	12
124	Ultrahigh Brilliance Multi-MeV γ -Ray Beams from Nonlinear Relativistic Thomson Scattering. <i>Physical Review Letters</i> , 2014, 113, 224801.	2.9	239
125	Plasma-Based Generation and Control of a Single Few-Cycle High-Energy Ultrahigh-Intensity Laser Pulse. <i>Physical Review Letters</i> , 2014, 113, 025005.	2.9	9
126	Dominant Secondary Nuclear Photoexcitation with the X-Ray Free-Electron Laser. <i>Physical Review Letters</i> , 2014, 112, .	2.9	41

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127	Electron dynamics controlled via self-interaction. <i>Physical Review E</i> , 2014, 89, 021201.	0.8	22
128	All-Electromagnetic Control of Broadband Quantum Excitations Using Gradient Photon Echoes. <i>Physical Review Letters</i> , 2014, 113, 123602.	2.9	13
129	What is the relativistic spin operator?. <i>New Journal of Physics</i> , 2014, 16, 043012.	1.2	37
130	Quantum dynamics of a two-level emitter with a modulated transition frequency. <i>Physical Review A</i> , 2014, 90, .	1.0	9
131	Optical control of an atomic inner-shell x-ray laser. <i>Physical Review A</i> , 2014, 89, .	1.0	4
132	High-precision measurement of the atomic mass of the electron. <i>Nature</i> , 2014, 506, 467-470.	13.7	258
133	Higgs boson creation in laser-boosted lepton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 730, 161-165.	1.5	8
134	Relativistic spin operators in various electromagnetic environments. <i>Physical Review A</i> , 2014, 89, .	1.0	35
135	Robust Signatures of Quantum Radiation Reaction in Focused Ultrashort Laser Pulses. <i>Physical Review Letters</i> , 2014, 113, 044801.	2.9	33
136	Novel aspects of radiation reaction in the classical and the quantum regime. <i>Journal of Physics: Conference Series</i> , 2014, 497, 012015.	0.3	4
137	Astrophysical Line Diagnosis Requires Nonlinear Dynamical Atomic Modeling. <i>Physical Review Letters</i> , 2014, 113, 143001.	2.9	25
138	Broadband high-resolution X-ray frequency combs. <i>Nature Photonics</i> , 2014, 8, 520-523.	15.6	34
139	Kapitza-Dirac effect in the relativistic regime. <i>Physical Review A</i> , 2013, 88, .	1.0	33
140	Radiation-Reaction-Force-Induced Nonlinear Mixing of Raman Sidebands of an Ultraintense Laser Pulse in a Plasma. <i>Physical Review Letters</i> , 2013, 111, 105001.	2.9	12
141	X-ray quantum optics. <i>Journal of Modern Optics</i> , 2013, 60, 2-21.	0.6	120
142	Lorentz Meets Fano in Spectral Line Shapes: A Universal Phase and Its Laser Control. <i>Science</i> , 2013, 340, 716-720.	6.0	404
143	Relativistic features and time delay of laser-induced tunnel ionization. <i>Physical Review A</i> , 2013, 88, .	1.0	58
144	Nuclear recollisions in laser-assisted $\hat{\Gamma}_{\pm}$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 723, 401-405.	1.5	24

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145	Under-the-Barrier Dynamics in Laser-Induced Relativistic Tunneling. Physical Review Letters, 2013, 110, 153004.	2.9	88
146	Table-Top Laser-Based Source of Femtosecond, Collimated, Ultrarelativistic Positron Beams. Physical Review Letters, 2013, 110, 255002.	2.9	149
147	Computational relativistic quantum dynamics and its application to relativistic tunneling and Kapitza-Dirac scattering. , 2013, , .		1
148	X-ray frequency combs from optically controlled resonance fluorescence. Physical Review A, 2013, 88, .	1.0	12
149	High-quality multi-GeV electron bunches via cyclotron autoresonance. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	13
150	Collapse-and-revival dynamics of strongly laser-driven electrons. Physical Review A, 2013, 87, .	1.0	16
151	Quantum interference effects in an ensemble of ^{229}Th nuclei interacting with coherent light. Physical Review C, 2013, 88, .	1.1	8
152	Attosecond pulses at kiloelectronvolt photon energies from high-order-harmonic generation with core electrons. Physical Review A, 2013, 88, .	1.0	17
153	Three-beam setup for coherently controlling nuclear-state population. Physical Review C, 2013, 87, .	1.1	23
154	Polarization operator for plane-wave background fields. Physical Review D, 2013, 88, .	1.6	38
155	Nuclear-size self-energy and vacuum-polarization corrections to the bound-electron $\langle b \rangle \langle i \rangle g \langle /i \rangle \langle /b \rangle$ factor. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 245002.	0.6	15
156	Collapse-revival Dynamics in Strongly Laser-driven Electrons. , 2013, , .		0
157	Photonâ€“photon scattering in collisions of intense laser pulses. New Journal of Physics, 2012, 14, 103002.	1.2	62
158	Coherent Storage and Phase Modulation of Single Hard-X-Ray Photons Using Nuclear Excitons. Physical Review Letters, 2012, 109, 197403.	2.9	46
159	Manipulating the Annihilation Dynamics of Positronium via Collective Radiation. Physical Review Letters, 2012, 108, 243401.	2.9	9
160	QED calculation of the nuclear magnetic shielding for hydrogenlike ions. Physical Review A, 2012, 85, .	1.0	26
161	Coherence-Enhanced Optical Determination of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Th} \langle / \text{mml:mi} \rangle \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} / \rangle \langle \text{mml:mn} \rangle 229 \langle / \text{mml:mn} \rangle \langle / \text{mml:mmultiscripts} \rangle \langle / \text{mml:math} \rangle$ Isomeric Transition. Physical Review Letters, 2012, 109, 262502.	2.9	24
162	An unexpectedly low oscillator strength as the origin of the Feâ€“%xvii emission problem. Nature, 2012, 492, 225-228.	13.7	133

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163	Extremely high-intensity laser interactions with fundamental quantum systems. <i>Reviews of Modern Physics</i> , 2012, 84, 1177-1228.	16.4	1,340
164	Resonance fluorescence in ultrafast and intense x-ray free-electron-laser pulses. <i>Physical Review A</i> , 2012, 86, .	1.0	34
165	Frontiers of Atomic High-Harmonic Generation. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2012, 61, 159-208.	2.3	87
166	Cooperative effects in nuclear excitation with coherent x-ray light. <i>New Journal of Physics</i> , 2012, 14, 085025.	1.2	12
167	Nuclear Shape Effect on the $\langle \text{Factor of Hydrogenlike Ions} \rangle$. <i>Physical Review Letters</i> , 2012, 108, 063005.	2.9	30
168	Laser acceleration of proton bunches by petawatt chirped linearly polarized laser pulses. <i>Physical Review A</i> , 2012, 85, .	1.0	23
169	Spin Dynamics in the Kapitza-Dirac Effect. <i>Physical Review Letters</i> , 2012, 109, 043601.	2.9	56
170	Generation of correlated photon pairs in different frequency ranges. <i>Physical Review A</i> , 2012, 85, .	1.0	17
171	Phase-matched coherent hard X-rays from relativistic high-order harmonic generation. <i>Europhysics Letters</i> , 2011, 94, 14002.	0.7	17
172	QED Theory of the Nuclear Magnetic Shielding in Hydrogenlike Ions. <i>Physical Review Letters</i> , 2011, 107, 043004.	2.9	39
173	Radiation reaction effects on electron nonlinear dynamics and ion acceleration in laser-solid interaction. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 653, 181-185.	0.7	61
174	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
175	Nuclear coherent population transfer with X-ray laser pulses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 705, 134-138.	1.5	43
176	Accelerating the Fourier split operator method via graphics processing units. <i>Computer Physics Communications</i> , 2011, 182, 2454-2463.	3.0	65
177	Optimizing direct intense-field laser acceleration of ions. <i>Physical Review A</i> , 2011, 84, .	1.0	16
178	Dense Monoenergetic Proton Beams from Chirped Laser-Plasma Interaction. <i>Physical Review Letters</i> , 2011, 107, 185002.	2.9	45
179	Relativistic ionization characteristics of laser-driven hydrogenlike ions. <i>Physical Review A</i> , 2011, 83, .	1.0	36
180	Coherent control of the cooperative branching ratio for nuclear x-ray pumping. <i>Physical Review B</i> , 2011, 83, .	1.1	6

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181	g Factor of Hydrogenlike Si 13 Physical Review Letters, 2011, 106, 033001.	2.9	153
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