

Stephan Fritzsche

List of Publications by Year in descending order

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papers

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338
docs citations

338
times ranked

3263
citing authors

#	ARTICLE	IF	CITATIONS
1	Level Structure and Properties of Open f-Shell Elements. <i>Atoms</i> , 2022, 10, 7.	0.7	10
2	Polarization of Photons Scattered by Ultra-Relativistic Ion Beams. <i>Annalen Der Physik</i> , 2022, 534, 2100252.	0.9	3
3	$\langle \text{mml:mrow} \langle \text{mml:mi} \text{g} \rangle \rangle \langle \text{mml:math} \rangle$ Factor of Lithiumlike Silicon and Calcium: Resolving the Disagreement between Theory and Experiment. <i>Physical Review Letters</i> , 2022, 128, 103001.	2.9	4
4	Photoexcitation of atoms by cylindrically polarized Laguerre-Gaussian beams. <i>Physical Review A</i> , 2022, 105, .	1.0	3
5	Photon Emission from Hollow Ions Near Surfaces. <i>Atoms</i> , 2022, 10, 37.	0.7	1
6	Near K-edge Photoionization and Photoabsorption of Singly, Doubly, and Triply Charged Silicon Ions. <i>Astrophysical Journal</i> , 2022, 931, 100.	1.6	3
7	Angular and polarization properties of the Lyman- α line $\langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mrow} \langle \text{mml:mi} \text{p} \rangle \rangle \langle \text{mml:math} \rangle$ <i>Physical Review A</i> , 2022, 105, .	1.0	5
8	Strong-Field Ionization Amplitudes for Atomic Many-Electron Targets. <i>Atoms</i> , 2022, 10, 70.	0.7	2
9	QED approach to valence-hole excitation in closed-shell systems. <i>Physical Review A</i> , 2022, 106, .	1.0	1
10	Lorentz-force shifts in strong-field ionization with mid-infrared laser fields. <i>Physical Review Research</i> , 2022, 4, .	1.3	11
11	Near L-edge Single and Multiple Photoionization of Doubly Charged Iron Ions. <i>Astrophysical Journal</i> , 2021, 908, 52.	1.6	17
12	Atomic Cascade Computations. <i>Symmetry</i> , 2021, 13, 520.	1.1	26
13	Redefined vacuum approach and gauge-invariant subsets in two-photon-exchange diagrams for a closed-shell system with a valence electron. <i>Physical Review A</i> , 2021, 103, .	1.0	6
14	Approximate Atomic Green Functions. <i>Molecules</i> , 2021, 26, 2660.	1.7	7
15	Many-Electron QED with Redefined Vacuum Approach. <i>Symmetry</i> , 2021, 13, 1014.	1.1	6
16	Above-threshold ionization driven by Gaussian laser beams: beyond the electric dipole approximation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 144002.	0.6	6
17	Justifying the thin-crystal approximation in spontaneous parametric down-conversion for collinear phase matching. <i>Physical Review A</i> , 2021, 103, .	1.0	6
18	Elliptical dichroism in biharmonic ionization of atoms. <i>Physical Review A</i> , 2021, 104, .	1.0	5

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19	A pairwise nuclear fusion algorithm for particle-in-cell simulations: Weighted particles at relativistic energies. AIP Advances, 2021, 11, .	0.6	9
20	Single-cycle versus multicycle nonsequential double ionization of argon. Physical Review A, 2021, 104, .	1.0	5
21	Proton-neutron pairing correlations in the self-conjugate nucleus ^{42}Sc . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136439.	1.5	10
22	Symbolic Evaluation of Expressions from Racah's Algebra. Symmetry, 2021, 13, 1558.	1.1	7
23	Role of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle L \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -shell single and double core-hole production and decay in $\langle \text{mml:math} \rangle$		

#	ARTICLE	IF	CITATIONS
37	Driven spin chains as high-quality quantum routers. <i>Physical Review A</i> , 2020, 102, .	1.0	4
38	Rayleigh scattering of linearly polarized light: Scenario of the complete experiment. <i>Physical Review A</i> , 2020, 102, .	1.0	5
39	Enhanced polarization transfer to the characteristic L_{\pm} x-ray lines near the nonlinear Cooper minimum of two-photon ionization. <i>Physical Review A</i> , 2020, 102, .	1.0	0
40	Understanding the Uniqueness of 2p Elements in Periodic Tables. <i>Chemistry - A European Journal</i> , 2020, 26, 15558-15564.	1.7	31
41	Controllable simulation of topological phases and edge states with quantum walk. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126828.	0.9	4
42	Vacuum polarization and finite-nuclear-size effects in the two-photon decay of hydrogenlike ions. <i>Physical Review A</i> , 2020, 102, .	1.0	3
43	One-dimensional quantum walks driven by two-entangled-qubit coins. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126673.	0.9	3
44	Proton beams from intense laser-solid interaction: Effects of the target materials. <i>Matter and Radiation at Extremes</i> , 2020, 5, .	1.5	12
45	Particle-in-cell simulation method for macroscopic degenerate plasmas. <i>Physical Review E</i> , 2020, 102, 033312.	0.8	12
46	Simulation of novel cell-like topological structures with quantum walk. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	0
47	Hyperfine-induced effects on angular emission of the magnetic-quadrupole line $1s^2$ $^3P^o$. <i>Physical Review A</i> , 2020, 102, .	1.0	11
48	Enhanced entanglement from Ince-Gaussian pump beams in spontaneous parametric down-conversion. <i>Physical Review A</i> , 2020, 102, .	1.0	15
49	Hyperfine structure study of Tc^{97} 98 99 in a new laser ion source for high-resolution laser spectroscopy. <i>Physical Review C</i> , 2020, 102, .	1.1	7
50	Characterization of opening angle correlations of a biphoton state decomposed in Bessel modes. <i>Physical Review A</i> , 2020, 101, .	1.0	3
51	Uniform warm dense matter formed by direct laser heating in the presence of external magnetic fields. <i>Physical Review E</i> , 2020, 101, 051202.	0.8	2
52	Strong configuration interaction in the 3p photoelectron spectrum of Kr. <i>Physical Review A</i> , 2020, 101, .	1.0	3
53	Polarization-dependent high-intensity Kapitza-Dirac effect in strong laser fields. <i>Physical Review A</i> , 2020, 101, .	1.0	6
54	Plasma-environment effects on K lines of astrophysical interest. <i>Astronomy and Astrophysics</i> , 2020, 635, A70.	2.1	8

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55	Multiple Photodetachment of Carbon Anions via Single and Double Core-Hole Creation. Physical Review Letters, 2020, 124, 083203.	2.9	24
56	Breakdown of the electric dipole approximation at Cooper minima in direct two-photon ionisation. Scientific Reports, 2020, 10, 3617.	1.6	6
57	Elastic Photon Scattering on Hydrogenic Atoms near Resonances. Atoms, 2020, 8, 12.	0.7	5
58	Multiple photodetachment of atomic anions via single and double core-hole creation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 192001.	0.6	5
59	Partial-wave representation of the strong-field approximation. Physical Review A, 2020, 102, .	1.0	9
60	Resonant two-photon ionization of atoms by twisted and plane-wave light. Physical Review A, 2020, 102, .	1.0	7
61	Many-electron effects in the hyperfine splitting of lithiumlike ions. Physical Review Research, 2020, 2, .	1.3	4
62	Scattering of twisted light from a crystal. Physica Scripta, 2019, 94, 105402.	1.2	1
63	Coherence control in high-order harmonic generation with Laguerre-Gaussian beams. Physical Review A, 2019, 100, .	1.0	14
64	Roadmap on photonic, electronic and atomic collision physics: III. Heavy particles: with zero to relativistic speeds. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 171003.	0.6	22
65	High-order implicit particle-in-cell method for plasma simulations at solid densities. Physical Review E, 2019, 100, 013207.	0.8	19
66	Particle-in-cell simulation of transport and energy deposition of intense proton beams in solid-state materials. Physical Review E, 2019, 100, 013208.	0.8	12
67	Fluorescence polarization as a precise tool for understanding nonsequential many-photon ionization. Physical Review A, 2019, 100, .	1.0	9
68	High harmonic generation with Laguerre-Gaussian beams. Journal of Optics (United Kingdom), 2019, 21, 094001.	1.0	31
69	QED radiative corrections to the $\langle \mathbf{r} \rangle$ of hydrogenic atoms. Physical Review A, 2019, 100, .	1.0	16
70	Modification of multipole transitions by twisted light. Physical Review A, 2019, 100, .	1.0	14
71	Formation of relativistic electromagnetic solitons in over-dense plasmas. Physics of Plasmas, 2019, 26, 063107.	0.7	6
72	High-precision calculations of the $\langle \mathbf{r} \rangle$ of hydrogenic atoms. Physical Review A, 2019, 100, .	1.0	1

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73	Ground-state hyperfine splitting of B-like ions in the high- Z region. <i>Physical Review A</i> , 2019, 99, .	1.0	2
74	Inverse odd-even staggering in nuclear charge radii and possible octupole collectivity in At _{217,218,219} revealed by in-source laser spectroscopy. <i>Physical Review C</i> , 2019, 99, .	1.1	13
75	A fresh computational approach to atomic structures, processes and cascades. <i>Computer Physics Communications</i> , 2019, 240, 1-14.	3.0	72
76	Nondipole strong-field approximation for spatially structured laser fields. <i>Physical Review A</i> , 2019, 99, .	1.0	31
77	Plasma environment effects on K lines of astrophysical interest. <i>Astronomy and Astrophysics</i> , 2019, 624, A74.	2.1	16
78	Dichroism in two-color above-threshold ionization with twisted XUV beams and intense infrared laser fields. <i>Physical Review A</i> , 2019, 99, .	1.0	12
79	Near L-edge Single and Multiple Photoionization of Triply Charged Iron Ions. <i>Astrophysical Journal</i> , 2019, 887, 189.	1.6	20
80	Simulation of the multiphase configuration and phase transitions with quantum walks utilizing a step-dependent coin. <i>Physical Review A</i> , 2019, 100, .	1.0	8
81	Ultrafast quantum control of ionization dynamics in krypton. <i>Nature Communications</i> , 2018, 9, 719.	5.8	31
82	LCLS inâ€”photon out: fluorescence measurement of neon using soft x-rays. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 034003.	0.6	10
83	Isotope shifts from collinear laser spectroscopy of doubly charged yttrium isotopes. <i>Physical Review A</i> , 2018, 97, .	1.0	22
84	Strong-field ionization with twisted laser pulses. <i>Physical Review A</i> , 2018, 97, .	1.0	9
85	Rayleigh scattering of twisted light by hydrogenlike ions. <i>Physical Review A</i> , 2018, 97, .	1.0	16
86	Neon in ultrashort and intense x-rays from free electron lasers. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 055602.	0.6	11
87	Velocity map imaging of scattering dynamics in orthogonal two-color fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 015001.	0.6	11
88	Influence of a stray magnetic field on the measurement of long-range spin-spin interaction. <i>Journal of Physics Communications</i> , 2018, 2, 055025.	0.5	0
89	Selectivity of the Br $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \text{d} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{s} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{d} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{s}$ Auger decays in HBr. <i>Physical Review A</i> , 2018, 98, .	1.0	18
90	Particle-in-cell simulations of laserâ€”plasma interactions at solid densities and relativistic intensities: the role of atomic processes. <i>High Power Laser Science and Engineering</i> , 2018, 6, .	2.0	24

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91	First Ionization Potentials of Fm, Md, No, and Lr: Verification of Filling-Up of 5f Electrons and Confirmation of the Actinide Series. <i>Journal of the American Chemical Society</i> , 2018, 140, 14609-14613.	6.6	33
92	Characteristics of X/ β -ray radiations by intense laser interactions with high-Z solids: The role of bremsstrahlung and radiation reactions. <i>Matter and Radiation at Extremes</i> , 2018, 3, 293-299.	1.5	8
93	Controlling quantum random walk with a step-dependent coin. <i>New Journal of Physics</i> , 2018, 20, 083028.	1.2	24
94	Charge radii and electromagnetic moments of At Physical Review C, 2018, 97, .	1.1	35
95	Maximum Elliptical Dichroism in Atomic Two-Photon Ionization. <i>Physical Review Letters</i> , 2018, 121, 053401.	2.9	25
96	Tailored orbital angular momentum in high-order harmonic generation with bicircular Laguerre-Gaussian beams. <i>Physical Review A</i> , 2018, 98, .	1.0	39
97	Above-threshold ionization by few-cycle Bessel pulses carrying orbital angular momentum. <i>Physical Review A</i> , 2018, 98, .	1.0	17
98	Probing Sizes and Shapes of Nobelium Isotopes by Laser Spectroscopy. <i>Physical Review Letters</i> , 2018, 120, 232503.	2.9	63
99	Towards high-resolution laser ionization spectroscopy of the heaviest elements in supersonic gas jet expansion. <i>Nature Communications</i> , 2017, 8, 14520.	5.8	90
100	Monte Carlo approach to calculate ionization dynamics of hot solid-density plasmas within particle-in-cell simulations. <i>Physical Review E</i> , 2017, 95, 023208.	0.8	23
101	Hyperfine induced effects on the angular distribution of the dielectronic hypersatellite line. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 408, 93-96.	0.6	3
102	Dielectronic recombination of highly charged ions with spin-polarized electrons. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 408, 130-134.	0.6	0
103	Monte Carlo approach to calculate proton stopping in warm dense matter within particle-in-cell simulations. <i>Physical Review E</i> , 2017, 95, 023207.	0.8	30
104	Angular momentum-induced delays in solid-state photoemission enhanced by intra-atomic interactions. <i>Science</i> , 2017, 357, 1274-1277.	6.0	65
105	Photoexcitation of atoms by Laguerre-Gaussian beams. <i>Physical Review A</i> , 2017, 96, .	1.0	31
106	Ground-state hyperfine splitting for Rb, Cs, Fr, Ba , Physical Review A, 2017, 96, .	1.0	29
107	In-gas laser ionization and spectroscopy of actinium isotopes near the N=126 closed shell. <i>Physical Review C</i> , 2017, 96, .	1.1	27
108	Near L-edge Single and Multiple Photoionization of Singly Charged Iron Ions. <i>Astrophysical Journal</i> , 2017, 849, 5.	1.6	39

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109	Angle-resolved x-ray spectroscopic scheme to determine overlapping hyperfine splittings in highly charged heliumlike ions. Physical Review A, 2017, 96, .	1.0	11
110	Auger decay of $4d$ inner-shell holes in atomic Hg leading to triple ionization. Physical Review A, 2017, 96, .	1.0	10
111	Photoelectron distribution of nonresonant two-photon ionization of neutral atoms. Physical Review A, 2017, 96, .	1.0	12
112	Auger cascades in resonantly excited neon. Physical Review A, 2017, 95, .	1.0	14
113	MCDF calculations of Auger cascade processes. European Physical Journal D, 2017, 71, 1.	0.6	7
114	Two-color above-threshold ionization of atoms and ions in XUV Bessel beams and intense laser light. Physical Review A, 2016, 94, .	1.0	18
115	Multiconfiguration calculations of electronic isotope shift factors in Al i. Physical Review A, 2016, 94, .	1.0	17
116	Charge Radii of Neutron Deficient ^{52}Fe and ^{53}Fe by Projectile Fragmentation. Physical Review Letters, 2016, 117, 252501.	2.9	42
117	Relativistic calculations of the nonresonant two-photon ionization of neutral atoms. Physical Review A, 2016, 94, .	1.0	14
118	Changes in nuclear structure along the Mn isotopic chain studied via charge radii. Physical Review C, 2016, 94, .	1.1	23
119	Probing the energy flow in Bessel light beams using atomic photoionization. Physical Review A, 2016, 94, .	1.0	18
120	Physics book: CRYRING@ESR. European Physical Journal: Special Topics, 2016, 225, 797-882.	1.2	101
121	Many-electron effects on x-ray Rayleigh scattering by highly charged He-like ions. Physical Review A, 2016, 93, .	1.0	21
122	Linear polarization of the characteristic x-ray lines following inner-shell photoionization of tungsten. Physical Review A, 2016, 93, .	1.0	17
123	Level sequence and splitting identification of closely spaced energy levels by angle-resolved analysis of fluorescence light. Physical Review A, 2016, 93, .	1.0	11
124	Strong higher-order resonant contributions to x-ray line polarization in hot plasmas. Physical Review E, 2016, 93, 061201.	0.8	19
125	Cu charge radii reveal a weak sub-shell effect at $N=40$. Physical Review C, 2016, 93, .	1.1	36
126	Photoionization of neutral atoms by X waves carrying orbital angular momentum. Physical Review A, 2016, 94, .	1.0	15

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127	Prominent role of multielectron processes in K -shell double and triple photodetachment of oxygen anions. <i>Physical Review A</i> , 2016, 94, .	1.0	28
128	Polarization transfer in Rayleigh scattering of hard x-rays. <i>New Journal of Physics</i> , 2016, 18, 103034.	1.2	12
129	Reply to "Comment on "Hyperfine-induced modifications to the angular distribution of the K -shell emission"	1.0	1
130	Compton scattering of twisted light: Angular distribution and polarization of scattered photons. <i>Physical Review A</i> , 2015, 92, .	1.0	37
131	Triple ionization of atomic Cd involving $4p$ holes. <i>Physical Review A</i> , 2015, 92, .	1.0	10
132	Subshell-selective x-ray studies of radiative recombination of U with electrons for very low relative energies. <i>Physical Review A</i> , 2015, 92, .	1.0	7
133	Polarization measurement of dielectronic recombination transitions in highly charged krypton ions. <i>Physical Review A</i> , 2015, 92, .	1.0	48
134	Ionization of H_2 ions by twisted Bessel light. <i>Physical Review A</i> , 2015, 92, .	1.0	18
135	Nuclear magnetic dipole moment effect on the angular distribution of the K lines. <i>Physica Scripta</i> , 2015, T166, 014029.	1.2	6
136	9th International Conference on Atomic and Molecular Data and Their Applications. <i>Physica Scripta</i> , 2015, 90, 050201.	1.2	0
137	Relativistically prolonged lifetime of the $2p_{3/2}P_0$ level of zero nuclear-spin beryllium-like ions. <i>New Journal of Physics</i> , 2015, 17, 103009.	1.2	9
138	Linear polarization of x-rays emitted in the decay of highly-charged ions via overlapping resonances. <i>Journal of Physics: Conference Series</i> , 2015, 635, 012020.	0.3	1
139	Stepwise contraction of the n Rydberg shells in the 3d photoionization of multiply-charged xenon ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 144003.	0.6	12
140	Rayleigh x-ray scattering from many-electron atoms and ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 144015.	0.6	16
141	Experimental study of the dielectronic recombination into Li-like uranium. <i>Physica Scripta</i> , 2015, T166, 014024.	1.2	2
142	Electron-ion collision spectroscopy: Lithium-like xenon ions. <i>Physical Review A</i> , 2015, 91, .	1.0	19
143	Interaction of twisted light with many-electron atoms and ions. <i>Physical Review A</i> , 2015, 91, .	1.0	43
144	Linear polarization of x-ray transitions due to dielectronic recombination in highly charged ions. <i>Physical Review A</i> , 2015, 91, .	1.0	42

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145	<i>Ab initio</i> MCDHF calculations of electron-nucleus interactions. <i>Physica Scripta</i> , 2015, 90, 054011.	1.2	18
146	Electronic structure theory of the superheavy elements. <i>Nuclear Physics A</i> , 2015, 944, 518-550.	0.6	69
147	Relativistic calculations of double-K-shell-photoionization cross sections for neutral medium-Z atoms. <i>Physical Review A</i> , 2014, 90, .	1.0	4
148	Determination of small level splittings in highly charged ions via angle-resolved measurements of characteristic x rays. <i>Physical Review A</i> , 2014, 90, .	1.0	18
149	Hyperfine-induced modifications to the angular distribution of the $K\alpha$ emission. <i>Physical Review A</i> , 2014, 89, .	1.0	26
150	The Feynman tools for quantum information processing: Design and implementation. <i>Computer Physics Communications</i> , 2014, 185, 1697-1718.	3.0	9
151	Absorption of twisted light by hydrogenlike atoms. <i>Physical Review A</i> , 2014, 90, .	1.0	73
152	Observation of Coherence in the Time-Reversed Relativistic Photoelectric Effect. <i>Physical Review Letters</i> , 2014, 113, 113001.	2.9	28
153	Inelastic Raman scattering of light by hydrogenlike ions. <i>Physical Review A</i> , 2014, 89, .	1.0	4
154	Relativistic configuration-interaction calculation of $K\alpha$ transition energies in berylliumlike iron. <i>Physical Review A</i> , 2014, 90, .	1.0	22
155	Measurement of the first ionization potential of astatine by laser ionization spectroscopy. <i>Nature Communications</i> , 2013, 4, 1835.	5.8	89
156	Polarization correlations in the elastic Rayleigh scattering of photons by hydrogenlike ions. <i>Physical Review A</i> , 2013, 88, .	1.0	19
157	<i>Ab initio</i> calculations of the $2p$ splitting in boronlike ions. <i>Physical Review A</i> , 2013, 88, .	3.1	42
158	Spins, Electromagnetic Moments, and Isomers of ^{107}Cd . <i>Physical Review Letters</i> , 2013, 110, 192501.	2.9	99
159	Electron- and Proton-Impact Excitation of Hydrogenlike Uranium in Relativistic Collisions. <i>Physical Review Letters</i> , 2013, 110, 213201.	2.9	41
160	Parity-nonconservation effects on the radiative recombination of heavy hydrogenlike ions. <i>Physical Review A</i> , 2013, 87, .	1.0	6
161	Polarization of M Line Emitted Following Electron-Impact Excitation of Beryllium-Like Ions. <i>Chinese Physics Letters</i> , 2013, 30, 063401.	1.3	6
162	Two-photon decay of inner-shell vacancies in heavy atoms. <i>Physical Review A</i> , 2013, 88, .	1.0	4

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163	Hyperfine-induced effects on the linear polarization of $K\alpha_{1,2}$ from heliumlike ions. <i>Physical Review A</i> , 2013, 87, .	1.0	30
164	Atomic ionization of hydrogen-like ions by twisted photons: angular distribution of emitted electrons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 205002.	0.6	76
165	16th international conference on the physics of highly charged ions. <i>Physica Scripta</i> , 2013, T156, 010301.	1.2	1
166	Electron emission from highly charged ions: signatures of magnetic interactions and retardation in strong fields. <i>New Journal of Physics</i> , 2012, 14, 083018.	1.2	16
167	Relativistic polarization analysis of Rayleigh scattering by atomic hydrogen. <i>Physical Review A</i> , 2012, 86, .	1.0	24
168	Laser spectroscopy of radioactive isotopes: Role and limitations of accurate isotope-shift calculations. <i>Physical Review A</i> , 2012, 86, .	1.0	65
169	Relativistic total cross section and angular distribution for Rayleigh scattering by atomic hydrogen. <i>Physical Review A</i> , 2012, 85, .	1.0	23
170	Nuclear mean-square charge radii of ^{63}Zn , ^{64}Zn , ^{66}Zn nuclei: No anomalous behavior at $N=32$. <i>Physical Review C</i> , 2012, 86, .	1.1	24
171	Polarization correlations in radiative cascades following dielectronic recombination of high- Z ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 215004.	0.6	8
172	Parametrization of the angular correlation and degree of linear polarization in two-photon decays of hydrogenlike ions. <i>Physical Review A</i> , 2012, 86, .	1.0	15
173	Mass- and field-shift isotope parameters for the $2s^2$ doublet of lithiumlike ions. <i>Physical Review A</i> , 2012, 86, .	1.0	32
174	The Ratip program for relativistic calculations of atomic transition, ionization and recombination properties. <i>Computer Physics Communications</i> , 2012, 183, 1525-1559.	3.0	195
175	Quantum computing with mixed states. <i>European Physical Journal D</i> , 2011, 62, 449-456.	0.6	13
176	Spectral distribution of the $2S \rightarrow 1S$ two-photon transition in atoms and few-electron ions. <i>Pramana - Journal of Physics</i> , 2011, 76, 331-337.	0.9	0
177	X-ray emission from highly charged ions following dielectronic recombination: relativistic effects upon angular distributions and polarization. <i>Physica Scripta</i> , 2011, T144, 014002.	1.2	11
178	Early Onset of Ground State Deformation in Neutron Deficient Polonium Isotopes. <i>Physical Review Letters</i> , 2011, 106, 052503.	2.9	94
179	Isotope shift of the electric-dipole transition in Os $2p_{3/2} \rightarrow 2p_{1/2}$. <i>Physical Review A</i> , 2011, 84, .	1.0	9
180	Angular correlations in radiative cascades following resonant electron capture by highly charged ions. <i>Physical Review A</i> , 2011, 84, .	1.0	13

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181	Two-photon absorption of few-electron heavy ions. <i>Physical Review A</i> , 2011, 84, .	1.0	21
182	Electron-impact excitation of singly charged metal ions. <i>Physical Review A</i> , 2011, 83, .	1.0	52
183	Quantum correlations in the two-photon decay of few-electron ions. <i>Physical Review A</i> , 2011, 83, .	1.0	15
184	Double ionization of atomic cadmium. <i>Physical Review A</i> , 2011, 83, .	1.0	10
185	Nuclear charge radii and electromagnetic moments of radioactive scandium isotopes and isomers. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2011, 38, 025104.	1.4	45
186	High-fidelity copies from a symmetric $1\hat{\alpha}^{\dagger}2$ quantum cloning machine. <i>European Physical Journal D</i> , 2010, 57, 293-300.	0.6	6
187	Entanglement dynamics of three-qubit states in noisy channels. <i>European Physical Journal D</i> , 2010, 60, 397-403.	0.6	32
188	Universal quantum Controlled-NOT gate. <i>European Physical Journal D</i> , 2010, 60, 417-421.	0.6	7
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