

Vladimir A Yerokhin

List of Publications by Year in descending order

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196
papers

6,031
citations

61857

43
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95083

68
g-index

206
all docs

206
docs citations

206
times ranked

1281
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual Kinetic Balance Approach to Basis-Set Expansions for the Dirac Equation. Physical Review Letters, 2004, 93, 130405.	2.9	271
2	QED calculation of the $n=1$ and $n=2$ energy levels in He-like ions. Physical Review A, 2005, 71, .	1.0	213
3	Relativistic nuclear recoil corrections to the energy levels of hydrogenlike and high-Z lithiumlike atoms in all orders in $\hat{1}\pm Z$. Physical Review A, 1995, 52, 1884-1894.	1.0	136
4	Ground-state hyperfine splitting of high-Z hydrogenlike ions. Physical Review A, 1997, 56, 252-255.	1.0	135
5	Complete two-loop correction to the bound-electron g-factor. Physical Review A, 2005, 72, .	1.0	133
6	Model operator approach to the Lamb shift calculations in relativistic many-electron atoms. Physical Review A, 2013, 88, .	1.0	133
7	Recoil Correction to the Bound-Electron g-Factor in H-Like Atoms to All Orders in $\hat{1}\pm Z$. Physical Review Letters, 2002, 88, 091801.	2.9	119
8	Towards a Test of QED in Investigations of the Hyperfine Splitting in Heavy Ions. Physical Review Letters, 2001, 86, 3959-3962.	2.9	111
9	Theoretical energies of low-lying states of light helium-like ions. Physical Review A, 2010, 81, .	1.0	107
10	Two-electron self-energy corrections to the $2p_{1/2} \rightarrow 2s$ transition energy in Li-like ions. Physical Review A, 1999, 60, 3522-3540.	1.0	105
11	Self-Energy Correction to the Bound-Electron g-Factor in H-like Ions. Physical Review Letters, 2002, 89, 143001.	2.9	100
12	Lamb Shift of $\langle i n \langle /i \rangle = 1$ and $\langle i n \langle /i \rangle = 2$ States of Hydrogen-like Atoms, $1 \hat{\%} \langle i Z \langle /i \rangle \hat{\%} 110$. Journal of Physical and Chemical Reference Data, 2015, 44, .	1.9	98
13	First-order self-energy correction in hydrogenlike systems. Physical Review A, 1999, 60, 800-811.	1.0	96
14	Two-Loop Self-Energy Correction in High-Z Hydrogenlike Ions. Physical Review Letters, 2003, 91, 073001.	2.9	96
15	Fine Structure of Heliumlike Ions and Determination of the Fine Structure Constant. Physical Review Letters, 2010, 104, 070403.	2.9	89
16	Evaluation of the self-energy correction to the g-factor of S states in H-like ions. Physical Review A, 2004, 69, .	1.0	80
17	Frequency Metrology of Helium around 1083 Å nm and Determination of the Nuclear Charge Radius. Physical Review Letters, 2012, 108, 143001.	2.9	80
18	QEDMOD: Fortran program for calculating the model Lamb-shift operator. Computer Physics Communications, 2015, 189, 175-181.	3.0	80

#	ARTICLE	IF	CITATIONS
19	Radiative and correlation effects on the parity-nonconserving transition amplitude in heavy alkali-metal atoms. <i>Physical Review A</i> , 2005, 72, .	1.0	77
20	Testing fundamental interactions on the helium atom. <i>Physical Review A</i> , 2017, 95, .	1.0	75
21	Evaluation of the two-photon exchange graphs for the $2p_{1/2} \rightarrow 2s$ transition in Li-like ions. <i>Physical Review A</i> , 2001, 64, .	1.0	71
22	Nonperturbative Calculation of the Two-Loop Lamb Shift in Li-Like Ions. <i>Physical Review Letters</i> , 2006, 97, 253004.	2.9	71
23	gfactor of high-Z lithiumlike ions. <i>Physical Review A</i> , 2002, 65, .	1.0	69
24	Relativistic and QED corrections to the gfactor of Li-like ions. <i>Physical Review A</i> , 2004, 70, .	1.0	68
25	Vacuum-polarization screening corrections to the energy levels of lithiumlike ions. <i>Physical Review A</i> , 1999, 60, 45-49.	1.0	67
26	Nonrelativistic QED Approach to the Bound-Electron gFactor. <i>Physical Review Letters</i> , 2004, 93, 150401.	2.9	67
27	QED Calculation of the $2p_{3/2} \rightarrow 2p_{1/2}$ Transition Energy in Boronlike Argon. <i>Physical Review Letters</i> , 2007, 98, .	2.9	67
28	QED Corrections to the Parity-Nonconserving $6s \rightarrow 7s$ Amplitude in Cs133. <i>Physical Review Letters</i> , 2005, 94, 213002.	2.9	66
29	Two-electron self-energy contribution to the ground-state energy of helium-like ions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 234, 361-366.	0.9	65
30	Two-loop self-energy correction in H-like ions. <i>Physical Review A</i> , 2001, 64, .	1.0	65
31	Recoil correction to the ground-state energy of hydrogenlike atoms. <i>Physical Review A</i> , 1998, 57, 4235-4239.	1.0	64
32	QED treatment of electron correlation in Li-like ions. <i>Physical Review A</i> , 2007, 75, .	1.0	63
33	Nuclear recoil corrections to the $2p_{3/2}$ state energy of hydrogen-like and high-Z lithium-like atoms in all orders in αZ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 5201-5206.	0.6	62
34	Two-Photon Exchange Corrections to the $2p_{1/2} \rightarrow 2s$ Transition Energy in Li-Like High-Z Ions. <i>Physical Review Letters</i> , 2000, 85, 4699-4702.	2.9	61
35	Polarization Transfer of Bremsstrahlung Arising from Spin-Polarized Electrons. <i>Physical Review Letters</i> , 2012, 108, 264801.	2.9	59
36	Electron-atom bremsstrahlung: Double-differential cross section and polarization correlations. <i>Physical Review A</i> , 2010, 82, .	1.0	58

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37	Transition energy and lifetime for the ground-state hyperfine splitting of high-Zlithiumlike ions. Physical Review A, 1998, 57, 149-156.	1.0	55
38	Two-loop self-energy contribution to the Lamb shift in H-like ions. Physical Review A, 2005, 71, .	1.0	52
39	Theory of the Lamb Shift in Hydrogen and Light Hydrogen-Like Ions. Annalen Der Physik, 2019, 531, 1800324.	0.9	52
40	Reexamination of the helium fine structure. Physical Review A, 2009, 79, .	1.0	50
41	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Factor of Light Ions for an Improved Determination of the Fine-Structure Constant. Physical Review Letters, 2016, 116, 100801.	2.9	49
42	Loop-after-loop contribution to the second-order Lamb shift in hydrogenlike low-Zatoms. Physical Review A, 2000, 62, .	1.0	48
43	Evaluation of the two-loop self-energy correction to the ground state energy of H-like ions to all orders in $Z\alpha$. European Physical Journal D, 2003, 25, 203-238.	0.6	47
44	Vacuum polarization screening corrections to the ground-state energy of two-electron ions. Physical Review A, 1997, 56, 3529-3534.	1.0	42
45	g Factor of Boronlike Argon Ar4013+. Physical Review Letters, 2019, 122, 253001.	2.9	42
46	Two-loop QED corrections with closed fermion loops. Physical Review A, 2008, 77, .	1.0	39
47	QED Theory of the Nuclear Magnetic Shielding in Hydrogenlike Ions. Physical Review Letters, 2011, 107, 043004.	2.9	39
48	One-loop self-energy correction to the 1s and 2s hyperfine splitting in H-like systems. Physical Review A, 2001, 64, .	1.0	38
49	Hyperfine structure of Li and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$. Physical Review A, 2008, 78, .	1.0	38
50	Nuclear-size correction to the Lamb shift of one-electron atoms. Physical Review A, 2011, 83, .	1.0	38
51	QEDMOD: Fortran program for calculating the model Lamb-shift operator. Computer Physics Communications, 2018, 223, 69.	3.0	38
52	Self-energy correction to the hyperfine splitting and the electron $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ factor in hydrogenlike ions. Physical Review A, 2010, 81, .	1.0	37
53	QED corrections to the radiative recombination of an electron with a bare nucleus. Physical Review A, 2000, 61, .	1.0	35
54	Three-photon-exchange nuclear structure correction in hydrogenic systems. Physical Review A, 2018, 97, .	1.0	35

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55	Two-loop QED corrections with closed fermion loops for the bound-electron g factor. Physical Review A, 2013, 88, .	1.0	34
56	Nuclear Recoil Effect in the Lamb Shift of Light Hydrogenlike Atoms. Physical Review Letters, 2015, 115, 233002.	2.9	34
57	Higher-order recoil corrections for triplet states of the helium atom. Physical Review A, 2016, 94, .	1.0	33
58	Atomic Physics Studies at the Gamma Factory at CERN. Annalen Der Physik, 2020, 532, 2000204.	0.9	33
59	Mass measurements and the bound-electron g factor. International Journal of Mass Spectrometry, 2006, 251, 102-108.	0.7	32
60	Electron Self-Energy in the Presence of a Magnetic Field: Hyperfine Splitting and g Factor. Physical Review Letters, 2008, 100, 163001.	2.9	32
61	Theory of the Helium Isotope Shift. Journal of Physical and Chemical Reference Data, 2015, 44, .	1.9	31
62	Two-loop self-energy for the ground state of medium- Z hydrogenlike ions. Physical Review A, 2009, 80, .	1.0	30
63	Bremsstrahlung polarization correlations and their application for polarimetry of electron beams. Physical Review A, 2013, 87, .	1.0	30
64	Calculation of the hyperfine structure of heavy H and Li like ions. , 2000, 127, 279-286.		29
65	Unexpectedly large difference of the electron density at the nucleus in the $4p_{1/2}, 3/2$ fine-structure doublet of Ca $^{40}\text{Ca}^+$. Applied Physics B: Lasers and Optics, 2017, 123, 1.	1.1	29
66	One-loop electron self-energy for the bound-electron g factor. Physical Review A, 2017, 95, .	1.0	28
67	Complete α^2 Lamb shift of helium triplet states. Physical Review A, 2021, 103, .		
68	Higher-order recoil corrections for singlet states of the helium atom. Physical Review A, 2017, 95, .	1.0	27
69	Vacuum-polarization screening corrections to the energy levels of heliumlike ions. Physical Review A, 2000, 62, .	1.0	26
70	Relativistic configuration-interaction calculation of energy levels of core-excited states in lithiumlike ions: Argon through krypton. Physical Review A, 2012, 86, .	1.0	26
71	QED calculation of the nuclear magnetic shielding for hydrogenlike ions. Physical Review A, 2012, 85, .	1.0	26
72	Relativistic configuration-interaction calculations of the energy levels of the $1s$ and $2s$ states of hydrogenlike ions. Physical Review A, 2017, 96, .	1.0	26

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73	Vacuum-polarization corrections to the hyperfine splitting in heavy ions and to the nuclear magnetic moments. <i>Physical Review A</i> , 2001, 63, .	1.0	25
74	Radiative-electron-capture-to-continuum cusp in $U^{88++}N_2$ collisions and the high-energy endpoint of electron-nucleus bremsstrahlung. <i>Physical Review A</i> , 2014, 90, .	1.0	25
75	High Resolution Photoexcitation Measurements Exacerbate the Long-Standing Fe XVII Oscillator Strength Problem. <i>Physical Review Letters</i> , 2020, 124, 225001.	2.9	25
76	Electron-correlation effects in the g factor of light Li-like ions. <i>Physical Review A</i> , 2017, 95, .	1.0	24
77	Algorithm for the S^2 and S^3 terms in the two-photon exchange diagrams for the $(1s)2p^3/2$ electron configuration in Li-like ions. <i>Physical Review A</i> , 2003, 67, .	1.0	24
78	Evaluation of the two-photon exchange diagrams for the $(1s)2p^3/2$ electron configuration in Li-like ions. <i>Physical Review A</i> , 2003, 67, .	1.0	23
79	Two-loop self-energy correction in a strong Coulomb nuclear field. <i>Journal of Experimental and Theoretical Physics</i> , 2005, 101, 280-293.	0.2	23
80	Quantum electrodynamic corrections to the hyperfine structure of excited states. <i>Physical Review A</i> , 2006, 73, .	1.0	23
81	All-order results for the one-loop QED correction to the hyperfine structure in light H-like atoms. <i>Physical Review A</i> , 2005, 72, .	1.0	22
82	Quantum electrodynamic calculation of the hyperfine structure of 3S_1 He. <i>Physical Review A</i> , 2012, 85, .	1.0	22
83	Relativistic configuration-interaction calculation of $K\alpha$ transition energies in berylliumlike iron. <i>Physical Review A</i> , 2014, 90, .	1.0	22
84	Nonlinear isotope-shift effects in Be-like, B-like, and C-like argon. <i>Physical Review A</i> , 2020, 101, .	1.0	22
85	One-loop self-energy correction in a strong binding field. <i>Physical Review A</i> , 2005, 72, .	1.0	21
86	Many-electron effects on x-ray Rayleigh scattering by highly charged He-like ions. <i>Physical Review A</i> , 2016, 93, .	1.0	21
87	QED effects in heavy few-electron ions. <i>International Journal of Mass Spectrometry</i> , 2006, 251, 109-118.	0.7	20
88	Energy Levels of Core-Excited $1s^2s$ States in Lithium-Like Ions: Argon to Uranium. <i>Journal of Physical and Chemical Reference Data</i> , 2018, 47, .	1.9	20
89	Relativistic Nuclear Recoil Corrections to the Energy Levels of Hydrogenlike Ions. <i>Physica Scripta</i> , 1999, T80, 493.	1.2	19
90	Leading Logarithmic Contribution to the Second-Order Lamb Shift Induced by the Loop-After-Loop Diagram. <i>Physical Review Letters</i> , 2001, 86, 1990-1993.	2.9	19

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91	Negative-continuum dielectronic recombination for heavy ions. <i>Physical Review A</i> , 2003, 67, .	1.0	19
92	Publisher's Note: Reexamination of the helium fine structure [<i>Phys. Rev. A</i> 79, 062516 (2009)]. <i>Physical Review A</i> , 2009, 80, .	1.0	19
93	The two-loop self-energy: diagrams in the coordinate-momentum representation. <i>European Physical Journal D</i> , 2010, 58, 57-68.	0.6	19
94	Polarization correlations in the elastic Rayleigh scattering of photons by hydrogenlike ions. <i>Physical Review A</i> , 2013, 88, .	1.0	19
95	Weighted difference of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \rangle \text{g} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ 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
96	Two-loop self-energy in the Lamb shift of the ground and excited states of hydrogenlike ions. <i>Physical Review A</i> , 2018, 97, .	1.0	19
97	Third-order interelectronic-interaction correction to the $2p_{1/2} \rightarrow 2s$ transition energy in lithiumlike ions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 277, 227-232.	0.9	18
98	Helium fine structure theory for determination of \hat{I}_{\pm} . <i>Journal of Physics: Conference Series</i> , 2011, 264, 012007.	0.3	18
99	Nuclear-structure corrections to the hyperfine splitting in muonic deuterium. <i>Physical Review A</i> , 2018, 98, .	1.0	18
100	Accurate calculation of self-energy screening diagrams for high Z helium-like atoms. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 207, 274-280.	0.9	17
101	Electric dipole polarizabilities of Rydberg states of alkali-metal atoms. <i>Physical Review A</i> , 2016, 94, .	1.0	17
102	Nuclear recoil corrections to the Lamb shift of hydrogen and light hydrogenlike ions. <i>Physical Review A</i> , 2016, 93, .	1.0	17
103	Interelectronic-interaction effect on the radiative recombination of an electron with a heavy He-like ion. <i>Physical Review A</i> , 2000, 62, .	1.0	16
104	QED and Nuclear Effects in High-Z Few-electron Atoms. <i>Physica Scripta</i> , 2000, T86, 7.	1.2	16
105	Spin-flip process in radiative recombination of an electron with H- and Li-like uranium. <i>Physical Review A</i> , 2002, 66, .	1.0	16
106	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
107	Two-loop QED corrections in few-electron ions. <i>Canadian Journal of Physics</i> , 2007, 85, 521-529.	0.4	15
108	Nuclear-size self-energy and vacuum-polarization corrections to the bound-electron $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \rangle \text{g} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ factor. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 245002.	0.6	15

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109	Direct evaluation of the two-electron self-energy corrections to the ground state energy of lithium-like ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998, 31, L691-L697.	0.6	14
110	Atomic Structure Calculations of Helium with Correlated Exponential Functions. <i>Symmetry</i> , 2021, 13, 1246.	1.1	14
111	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
112	Determination of the electron's mass from g -factor experiments on $^{12}\text{C}^{5+}$ and $^{16}\text{O}^{7+}$. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 205, 15-19.	0.6	13
113	Theoretical Energy Levels of $1s$ and $1snp$ States of Helium-Like Ions. <i>Journal of Physical and Chemical Reference Data</i> , 2019, 48, .	1.9	13
114	Nonradiative QED effects in the Lamb shift of helium triplet states. <i>Physical Review A</i> , 2020, 101, .	1.3	13
115	Model-QED operator for superheavy elements. <i>Physical Review A</i> , 2022, 106, .	1.0	13
116	One-loop self-energy correction to the bound-electron g factor. <i>Canadian Journal of Physics</i> , 2002, 80, 1249-1254.	0.4	12
117	PEBSI – A Monte Carlo simulator for bremsstrahlung arising from electrons colliding with thin solid-state targets. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 279, 155-159.	0.6	12
118	Extended Gaussian quadratures for functions with an end-point singularity of logarithmic type. <i>Computer Physics Communications</i> , 2014, 185, 2913-2919.	3.0	12
119	Spin-orbit interaction in bremsstrahlung and its effect on the electron motion in a strong Coulomb field. <i>Physical Review A</i> , 2015, 92, .	1.0	12
120	Polarization transfer in Rayleigh scattering of hard x-rays. <i>New Journal of Physics</i> , 2016, 18, 103034.	1.2	12
121	Complete quantum electrodynamic $\hat{\alpha}^6 m$ correction to energy levels of light atoms. <i>Physical Review A</i> , 2019, 100, .	1.0	12
122	QED corrections to the g factor of Li- and B-like ions. <i>Physical Review A</i> , 2020, 101, .	1.0	12
123	Polarization of atomic bremsstrahlung in coincidence studies. <i>Physical Review A</i> , 2014, 90, .	1.0	11
124	Quantum-electrodynamic corrections to the $1s3d$ states of the helium atom. <i>Physical Review A</i> , 2019, 99, .	1.0	11
125	QED calculation of the fine structure in Li-like ions. <i>Physical Review A</i> , 2020, 102, .	1.0	11
126	Nonlinearities of King's plot and their dependence on nuclear radii. <i>Physical Review A</i> , 2021, 104, .	1.0	11

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127	Interference effects in the recombination process of hydrogenlike lead. Physical Review A, 1994, 50, 4975-4978.	1.0	10
128	Screened Self-energy Correction to the $2p[3s^2]2s$ Transition Energy in Li-Like Ions. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2005, 99, 12.	0.2	10
129	Hyperfine structure of S states in Li and Be+. Physical Review A, 2008, 77, .	1.0	10
130	QED corrections of order α^2 to the hyperfine splitting of the $1s$ level in the hyperfine splitting of the $1s$ level of helium and light helium-like ions. This paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at $\text{Å}\%$ cole de Physique, les Houches, France, 30 May - 4 June, 2010.. Canadian Journal of Physics, 2011, 89, 95-101.	1.0	10
131	Diagnosics of polarization purity of x rays by means of Rayleigh scattering. Physical Review A, 2018, 98, .	0.4	10
132	Diagnosics of polarization purity of x rays by means of Rayleigh scattering. Physical Review A, 2018, 98, .	1.0	10
133	Bremsstrahlung from twisted electrons in the field of heavy nuclei. Physical Review A, 2020, 101, .	1.0	10
134	Radiative QED contribution to the helium Lamb shift. Physical Review A, 2021, 103, .	1.0	10
135	Theory of the g factor of lithium-like ions. Nuclear Instruments & Methods in Physics Research B, 2003, 205, 20-24.	0.6	9
136	Calculations of QED Effects with the Dirac Green Function. Symmetry, 2020, 12, 800.	1.1	9
137	Relativistic theory of the double photoionization of heliumlike atoms. Physical Review A, 2011, 84, .	1.0	8
138	Comparative study of the electron-atom and positron-atom bremsstrahlung. Physical Review A, 2012, 86, .	1.0	8
139	QED corrections to radiative recombination and radiative decay of heavy hydrogenlike ions. Physical Review A, 2015, 92, .	1.0	8
140	Compton polarimetry using double-sided segmented x-ray detectors. Journal of Physics: Conference Series, 2015, 583, 012041.	0.3	8
141	High-Precision Determination of Oxygen Radiative Electron Capture to the Continuum in $1s$ Transitions. Physical Review Letters, 2020, 125, 193001.	1.0	8
142	Radiative electron capture to the continuum in $1s$ transitions: Experiment and theory. Physical Review A, 2020, 101, .	1.0	8
143	Self-energy contribution to the ground state hyperfine splitting of Bi^{82+} . JETP Letters, 1996, 63, 316-318.	0.4	7
144	The g factor of highly charged ions. Journal of Physics: Conference Series, 2018, 1138, 012002.	0.3	7

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145	QED calculation of ionization energies of 1snd states in helium. Physical Review A, 2020, 102, .	1.0	7
146	Self-energy screening effects in the g factor of Li-like ions. Physical Review A, 2020, 102, .	1.0	7
147	Two-loop virtual light-by-light scattering corrections to the bound-electron $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ factor. Physical Review A, 2021, 103, .	1.0	7
148	New value for the electron's mass theoretical foundations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 1019-1028.	0.6	6
149	Application of the fully correlated basis of exponential functions for molecular hydrogen. Physical Review A, 2013, 87, .	1.0	6
150	Relativistic configuration-interaction calculation of $K\Gamma_{\pm}$ transition energies in beryllium-like argon. Physica Scripta, 2015, 90, 054003.	1.2	6
151	Self-energy-corrected Dirac wave functions for advanced QED calculations in highly charged ions. Physical Review A, 2020, 101, .	1.0	6
152	Calculation of the Screened Self-Energy and Vacuum-Polarization Corrections in High-Z Lithium-Like Ions. Physica Scripta, 1999, T80, 495.	1.2	5
153	Hyperfine quenching of the $23P_{0,2}$ states in He-like ions. Canadian Journal of Physics, 2002, 80, 1263-1269.	0.4	5
154	Quantum electrodynamical effects in heavy highly-charged ions. Nuclear Instruments & Methods in Physics Research B, 2003, 205, 47-56.	0.6	5
155	Anomalous magnetic moments of free and bound leptons. Canadian Journal of Physics, 2006, 84, 453-462.	0.4	5
156	Compton transmission polarimeter for a very precise polarization measurement within a wide range of electron currents. Journal of Physics: Conference Series, 2011, 298, 012022.	0.3	5
157	H2SOLV: Fortran solver for diatomic molecules in explicitly correlated exponential basis. Computer Physics Communications, 2016, 208, 162-168.	3.0	5
158	Polarization studies on Rayleigh scattering of hard x rays by closed-shell atoms. Physical Review A, 2021, 103, .	1.0	5
159	Two-photon-exchange corrections to the g factor of Li-like ions. Physical Review A, 2021, 104, .	1.0	5
160	QED in heavy few-electron ions. Nuclear Instruments & Methods in Physics Research B, 1999, 154, 102-112.	0.6	4
161	QED Effects in Heavy Few-Electron Ions. Hyperfine Interactions, 2001, 132, 339-346.	0.2	4
162	Off-resonant dielectronic recombination in a collision of an electron with a heavy hydrogenlike ion. Physical Review A, 2010, 81, .	1.0	4

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163	Interelectronic interaction effects on the polarization of recombination photons. Physical Review A, 2011, 83, .	1.0	4
164	Relativistic calculations of doubleK-shell-photoionization cross sections for neutral medium-Zatoms. Physical Review A, 2014, 90, .	1.0	4
165	Improving the accuracy of the muon mass and magnetic moment anomaly via the bound-muon $g-2$ factor. Physical Review D, 2018, 97, .	1.6	4
166	Calculations of Delbrück scattering to all orders in α . Physical Review A, 2022, 105, .	1.0	4
167	The influence of QED on the Radiative Electron Capture process in Highly Charged Ions. Physica Scripta, 1999, T80, 322.	1.2	3
168	Relativistic theory for radiative ionization of light atoms by heavy ions. European Physical Journal D, 2013, 67, 1.	0.6	3
169	Electron polarimetry with bremsstrahlung. Journal of Physics: Conference Series, 2014, 488, 012057.	0.3	3
170	Equation of motion for a bound system of charged particles. Physical Review A, 2019, 100, .	1.0	3
171	Self-energy correction to the hyperfine splitting of the 1 s and 2 s states in hydrogenlike ions. JETP Letters, 1997, 66, 18-21.	0.4	2
172	g factor of lithiumlike ions. Nuclear Instruments & Methods in Physics Research B, 2005, 235, 55-60.	0.6	2
173	Quantum Electrodynamics of Heavy Ions and Atoms. AIP Conference Proceedings, 2006, , .	0.3	2
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