

# Krzysztof Pachucki

## List of Publications by Year in descending order

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182  
papers

8,057  
citations

38660

50  
h-index

64668

79  
g-index

187  
all docs

187  
docs citations

187  
times ranked

2245  
citing authors

#	ARTICLE	IF	CITATIONS
1	Muonic Hydrogen and the Proton Radius Puzzle. Annual Review of Nuclear and Particle Science, 2013, 63, 175-204.	3.5	283
2	The CODATA 2017 values of $h$ , $e$ , $k$ , and $N_A$ for the revision of the SI. Metrologia, 2018, 55, L13-L16.	0.6	228
3	Theory of the Lamb shift in muonic hydrogen. Physical Review A, 1996, 53, 2092-2100.	1.0	187
4	Hydrogen-Deuterium $1S \sim 2S$ isotope Shift and the Structure of the Deuteron. Physical Review Letters, 1998, 80, 468-471.	2.9	186
5	Theoretical Determination of the Dissociation Energy of Molecular Hydrogen. Journal of Chemical Theory and Computation, 2009, 5, 3039-3048.	2.3	174
6	Quantum Electrodynamics Effects in Rovibrational Spectra of Molecular Hydrogen. Journal of Chemical Theory and Computation, 2011, 7, 3105-3115.	2.3	169
7	Nonadiabatic corrections to rovibrational levels of H <sub>2</sub> . Journal of Chemical Physics, 2009, 130, 164113.	1.2	146
8	Higher-Order Binding Corrections to the Lamb Shift. Annals of Physics, 1993, 226, 1-87.	1.0	136
9	Fundamental Vibration of Molecular Hydrogen. Physical Review Letters, 2013, 110, 193601.	2.9	135
10	Complete two-loop correction to the bound-electron g-factor. Physical Review A, 2005, 72, .	1.0	133
11	Proton structure effects in muonic hydrogen. Physical Review A, 1999, 60, 3593-3598.	1.0	132
12	Complete two-loop binding correction to the Lamb shift. Physical Review Letters, 1994, 72, 3154-3157.	2.9	129
13	Born-Oppenheimer potential for $H^2$ . Physical Review A, 2010, 82, .	1.0	108
14	Theoretical energies of low-lying states of light helium-like ions. Physical Review A, 2010, 81, .	1.0	107
15	Theory of the energy levels and precise two-photon spectroscopy of atomic hydrogen and deuterium. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 177-195.	0.6	106
16	Relativistic, QED, and finite nuclear mass corrections for low-lying states of Li and $Be^+$ . Physical Review A, 2008, 78, .	1.0	102
17	Higher-order binding corrections to the Lamb shift of $2P$ states. Physical Review A, 1996, 54, 1853-1861.	1.0	100
18	Pure recoil corrections to hydrogen energy levels. Physical Review A, 1995, 51, 1854-1862.	1.0	98

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19	Ground-state wave function and energy of the lithium atom. <i>Physical Review A</i> , 2006, 73, .	1.0	97
20	$\hat{I}\pm 4R$ corrections to singlet states of helium. <i>Physical Review A</i> , 2006, 74, .	1.0	97
21	Relativistic and QED Corrections for the Beryllium Atom. <i>Physical Review Letters</i> , 2004, 92, 213001.	2.9	95
22	Nonrelativistic QED approach to the Lamb shift. <i>Physical Review A</i> , 2005, 72, .	1.0	90
23	Fine Structure of Heliumlike Ions and Determination of the Fine Structure Constant. <i>Physical Review Letters</i> , 2010, 104, 070403.	2.9	89
24	Rovibrational levels of HD. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9188.	1.3	88
25	The absorption spectrum of H <sub>2</sub> : CRDS measurements of the (2-0) band, review of the literature data and accurate ab initio line list up to 35â€‰000 cm <sup>-1</sup> . <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 802-815.	1.3	88
26	Effective Hamiltonian approach to the bound state: Positronium hyperfine structure. <i>Physical Review A</i> , 1997, 56, 297-304.	1.0	86
27	Precision measurement of the 1S ground-state Lamb shift in atomic hydrogen and deuterium by frequency comparison. <i>Physical Review A</i> , 1995, 52, 2664-2681.	1.0	80
28	Frequency Metrology of Helium around 1083Ånm and Determination of the Nuclear Charge Radius. <i>Physical Review Letters</i> , 2012, 108, 143001.	2.9	80
29	Two-Loop Bethe-Logarithm Correction in Hydrogenlike Atoms. <i>Physical Review Letters</i> , 2003, 91, 113005.	2.9	79
30	Higher-order effective Hamiltonian for light atomic systems. <i>Physical Review A</i> , 2005, 71, .	1.0	79
31	Isotope Shift of the $3s\ ^2S_{1/2} \rightarrow 2s\ ^2S_{1/2}$ Transition in Lithium and the Nuclear Polarizability. <i>Physical Review Letters</i> , 2006, 97, 133001.	2.9	79
32	Testing fundamental interactions on the helium atom. <i>Physical Review A</i> , 2017, 95, .	1.0	75
33	Relativistic and QED corrections to the polarizability of helium. <i>Physical Review A</i> , 2000, 63, .	1.0	74
34	Logarithmic two-loop corrections to the Lamb shift in hydrogen. <i>Physical Review A</i> , 2001, 63, .	1.0	71
35	Simple derivation of helium Lamb shift. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998, 31, 5123-5133.	0.6	70
36	Nonrelativistic QED Approach to the Bound-Electron g Factor. <i>Physical Review Letters</i> , 2004, 93, 150401.	2.9	67

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37	Relativistic, QED, and nuclear mass effects in the magnetic shielding of H3e. Journal of Chemical Physics, 2009, 130, 244102.	1.2	67
38	Toward a Determination of the Proton-Electron Mass Ratio from the Lamb-Dip Measurement of HD. Physical Review Letters, 2018, 120, 153001.	2.9	67
39	QED Corrections to the Parity-Nonconserving $6s\sim 7s$ Amplitude in Cs133. Physical Review Letters, 2005, 94, 213002.	2.9	66
40	Nonadiabatic corrections to the wave function and energy. Journal of Chemical Physics, 2008, 129, 034102.	1.2	65
41	Nonadiabatic QED Correction to the Dissociation Energy of the Hydrogen Molecule. Physical Review Letters, 2019, 122, 103003.	2.9	59
42	Improved Theory of Helium Fine Structure. Physical Review Letters, 2006, 97, 013002.	2.9	58
43	Contributions to the binding, two-loop correction to the Lamb shift. Physical Review A, 1993, 48, 2609-2614.	1.0	57
44	Complete $\hat{I}_{\pm}$ to the Ground State of $H$	2.9	57
45	Accurate deuterium spectroscopy for fundamental studies. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 213, 41-51.	1.1	54
46	Radiative recoil correction to the Lamb shift. Physical Review A, 1995, 52, 1079-1085.	1.0	53
47	$\hat{I}_{\pm}$ $2E$ correction to hyperfine splitting in hydrogenic atoms. Physical Review A, 1996, 54, 1994-1998.	1.0	53
48	Higher-order recoil corrections to energy levels of two-body systems. Physical Review A, 1999, 60, 2792-2798.	1.0	52
49	Measurement of the Frequency of the $S_{1/2}$	2.9	52
50	Theory of the Lamb Shift in Hydrogen and Light Hydrogen-Like Ions. Annalen Der Physik, 2019, 531, 1800324.	0.9	52
51	On the acceleration of the convergence of singular operators in Gaussian basis sets. Journal of Chemical Physics, 2005, 122, 184101.	1.2	51
52	Nuclear Structure Corrections in Muonic Deuterium. Physical Review Letters, 2011, 106, 193007.	2.9	51
53	Rovibrational energy levels of the hydrogen molecule through nonadiabatic perturbation theory. Physical Review A, 2019, 100, .	1.0	51
54	Reexamination of the helium fine structure. Physical Review A, 2009, 79, .	1.0	50

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55	Relativistic corrections for the ground electronic state of molecular hydrogen. <i>Physical Review A</i> , 2017, 95, .	1.0	50
56	Complete Results for Positronium Energy Levels at Order $m^{\pm 6}$ . <i>Physical Review Letters</i> , 1998, 80, 2101-2104.	2.9	48
57	Forbidden transitions in the helium atom. <i>Physical Review A</i> , 2001, 64, .	1.0	47
58	Improved Result for Helium $23S1$ Ionization Energy. <i>Physical Review Letters</i> , 2000, 84, 4561-4564.	2.9	46
59	Helium energy levels including $m^{\pm 6}$ corrections. <i>Physical Review A</i> , 2006, 74, .	1.0	46
60	The absorption spectrum of D <sub>2</sub> : Ultrasensitive cavity ring down spectroscopy of the ( $2\sigma^{\infty}0$ ) band near $1.7 \times 10^4 \text{ cm}^{-1}$ and accurate <i>ab initio</i> line list up to $24\,000 \text{ cm}^{-1}$ . <i>Journal of Chemical Physics</i> , 2012, 136, 184309.	1.2	46
61	Theory of the hydrogen-deuterium isotope shift. <i>Physical Review A</i> , 1994, 49, 2255-2259.	1.0	45
62	Calculation of the One- and Two-Loop Lamb Shift for Arbitrary Excited Hydrogenic States. <i>Physical Review Letters</i> , 2005, 95, 180404.	2.9	45
63	Testing quantum electrodynamics in the lowest singlet states of the beryllium atom. <i>Physical Review A</i> , 2013, 87, .	1.0	45
64	Long-wavelength quantum electrodynamics. <i>Physical Review A</i> , 2004, 69, .	1.0	44
65	Leading order nonadiabatic corrections to rovibrational levels of H <sub>2</sub> , D <sub>2</sub> , and T <sub>2</sub> . <i>Journal of Chemical Physics</i> , 2015, 143, 034111.	1.2	44
66	Nuclear-spin-dependent recoil correction to the Lamb shift. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, L221-L224.	0.6	43
67	Quantum electrodynamics effects on helium fine structure. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, 137-152.	0.6	43
68	Nonadiabatic relativistic correction in $H^2$ , $D^2$ , and $HD$ . <i>Physical Review A</i> , 2018, 98, .	1.0	43
69	Bethe logarithm for the lithium atom from exponentially correlated Gaussian functions. <i>Physical Review A</i> , 2003, 68, .	1.0	42
70	Ground state of Li and $Be^+$ explicitly correlated functions. <i>Physical Review A</i> , 2009, 80, .	1.0	42
71	Accurate adiabatic correction in the hydrogen molecule. <i>Journal of Chemical Physics</i> , 2014, 141, 224103.	1.2	42
72	Contributions to helium fine structure of order $m^{\pm 7}$ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 5297-5305.	0.6	41

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73	Nuclear mass correction to the magnetic interaction of atomic systems. <i>Physical Review A</i> , 2008, 78, .	1.0	41
74	Recoil corrections to the Lamb shift in helium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 455-461.	0.6	40
75	Higher-order recoil corrections to helium fine structure. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 803-809.	0.6	40
76	Excitation energy of Be9. <i>Physical Review A</i> , 2006, 73, .	1.0	40
77	Recursion relations for the generic Hylleraas three-electron integral. <i>Physical Review A</i> , 2004, 70, .	1.0	39
78	Fine and hyperfine splitting of the $2^2P$ state in Li and $2^2P$ state in Be. <i>Physical Review A</i> , 2009, 79, .	1.0	39
79	Nuclear recoil effects in antiprotonic and muonic atoms. <i>Physical Review A</i> , 2004, 69, .	1.0	38
80	Electron affinity of Li7. <i>Journal of Chemical Physics</i> , 2006, 125, 204304.	1.2	36
81	Nuclear structure effects in light muonic atoms. <i>Physical Review A</i> , 2015, 91, .	1.0	36
82	Schrödinger equation solved for the hydrogen molecule with unprecedented accuracy. <i>Journal of Chemical Physics</i> , 2016, 144, 164306.	1.2	36
83	Nuclear-structure correction to the Lamb shift. <i>Physical Review A</i> , 1993, 48, R1-R4.	1.0	35
84	Quantum electrodynamics effects on singlet S-states of helium of order. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998, 31, 3547-3556.	0.6	35
85	Three-photon-exchange nuclear structure correction in hydrogenic systems. <i>Physical Review A</i> , 2018, 97, .	1.0	35
86	Ortho-para transition in molecular hydrogen. <i>Physical Review A</i> , 2008, 77, .	1.0	33
87	Higher-order recoil corrections for triplet states of the helium atom. <i>Physical Review A</i> , 2016, 94, .	1.0	33
88	Nonadiabatic Relativistic Correction to the Dissociation Energy of $H_2$ . <i>Physical Review A</i> , 2017, 95, 042502.	1.0	33
89	Lifetime and hyperfine structure of the $3D_2$ state of radium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, L305-L311.	0.6	32
90	Relativistic Correction to the Helium Dimer Interaction Energy. <i>Physical Review Letters</i> , 2005, 95, 233004.	2.9	32

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91	Mass measurements and the bound-electron g factor. International Journal of Mass Spectrometry, 2006, 251, 102-108.	0.7	32
92	Two-loop self-energy corrections to the fine structure. Journal of Physics A, 2002, 35, 1927-1942.	1.6	31
93	Theory of the Helium Isotope Shift. Journal of Physical and Chemical Reference Data, 2015, 44, .	1.9	31
94	Nonadiabatic rotational states of the hydrogen molecule. Physical Chemistry Chemical Physics, 2018, 20, 247-255.	1.3	31
95	Determination of the fine structure constant from helium spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 1783-1793.	0.6	30
96	Two-center two-electron integrals with exponential functions. Physical Review A, 2009, 80, .	1.0	29
97	Complete $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \hat{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Lamb shift of helium triplet states. Physical Review A, 2021, 103, .		
98	Ground State Hyperfine Splitting in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Li} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle, \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ and the Nuclear Structure. Physical Review Letters, 2013, 111, 243001.	2.9	27
99	Isotope shift in a beryllium atom. Physical Review A, 2014, 89, .	1.0	27
100	Explicitly correlated wave function for a boron atom. Physical Review A, 2015, 92, .	1.0	27
101	Higher-order recoil corrections for singlet states of the helium atom. Physical Review A, 2017, 95, .	1.0	27
102	Gaussian basis sets with the cusp condition. Chemical Physics Letters, 2004, 389, 209-211.	1.2	26
103	Born-Oppenheimer potential for HeH $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ . Physical Review A, 2012, 85, .	1.0	26
104	Radiative correction to the electron charge density in the hydrogen atom. Physical Review A, 1993, 48, 120-128.	1.0	25
105	Dissociation energy of molecular hydrogen isotopologues. Physical Review A, 2019, 100, .	1.0	25
106	Quantum Electrodynamics Corrections to the 2P Fine Splitting in Li. Physical Review Letters, 2014, 113, 073004.	2.9	24
107	Relativistic corrections to the Bethe logarithm for the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mspace} \text{width="4pt"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mspace} \text{width="4pt"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 10 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle, \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 11 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle$ Nuclear Charge Radii of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle$ $\text{mathvariant="normal"} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 10 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle, \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 11 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle$	1.0	24
108	Relativistic corrections to the Bethe logarithm for the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mspace} \text{width="4pt"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mspace} \text{width="4pt"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 10 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle, \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 11 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle$ Nuclear Charge Radii of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle$ $\text{mathvariant="normal"} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 10 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle, \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 11 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle$	2.9	24

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109	Recoil Effects in Positronium Energy Levels to Order $\hat{I} \pm 6$ . Physical Review Letters, 1997, 79, 4120-4123.	2.9	22
110	Hyperfine Structure of the First Rotational Level in $H$ , $D$ , $T$ . Physical Review Letters, 1997, 79, 4124-4127.	2.9	22
111	The complete $m\alpha$ contribution to the helium $2S$ and $3P$ energy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 3087-3093.	0.6	21
112	One-loop self-energy correction in a strong binding field. Physical Review A, 2005, 72, .	1.0	21
113	Quantum electrodynamics corrections to the fine structure splitting in $Li$ and $Be$ . Physical Review A, 2015, 92, .	1.0	21
114	Effective Hamiltonian approach to the bound state: energy of helium $n$ -states in the order. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 2489-2499.	0.6	20
115	Lithium hyperfine splitting. Physical Review A, 2002, 66, .	1.0	20
116	Extended Hylleraas three-electron integral. Physical Review A, 2005, 71, .	1.0	20
117	Magnetic dipole transitions in the hydrogen molecule. Physical Review A, 2011, 83, .	1.0	20
118	Electrodynamics of a compound system with relativistic corrections. Physical Review A, 2007, 76, .	1.0	19
119	Electric dipole rovibrational transitions in the HD molecule. Physical Review A, 2008, 78, .	1.0	19
120	Publisher's Note: Reexamination of the helium fine structure [Phys. Rev. A <b>79</b> , 062516 (2009)]. Physical Review A, 2009, 80, .	1.0	19
121	Relativistic corrections to the long-range interaction between closed-shell atoms. Physical Review A, 2005, 72, .	1.0	18
122	Radiative correction to the helium dimer interaction energy. Journal of Chemical Physics, 2006, 124, 064308.	1.2	18
123	Helium fine structure theory for determination of $\hat{I} \pm$ . Journal of Physics: Conference Series, 2011, 264, 012007.	0.3	18
124	Rovibrational levels of helium hydride ion. Journal of Chemical Physics, 2012, 137, 204314.	1.2	18
125	Nuclear-structure corrections to the hyperfine splitting in muonic deuterium. Physical Review A, 2018, 98, .	1.0	18
126	Hyperfine structure of muonic helium. Physical Review A, 2001, 63, .	1.0	17



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127	Precision Test of Many-Body QED in the $Be^{+}$ ion. Physical Review Letters, 2015, 115, 033002. Fine Structure Doublet Using Short Lived Isotopes. Physical Review Letters, 2015, 115, 033002.	2.9	17
128	Theory of forbidden transitions in light atoms. Physical Review A, 2003, 67, .	1.0	16
129	Gerade-ungerade mixing in the hydrogen molecule. Physical Review A, 2011, 83, .	1.0	16
130	Deuteron and triton magnetic moments from NMR spectra of the hydrogen molecule. Physical Review A, 2015, 92, .	1.0	16
131	Nuclear structure effects in the isotope shift with halo nuclei. Hyperfine Interactions, 2010, 196, 35-42.	0.2	15
132	Electrodynamics of finite-size particles with arbitrary spin. Physical Review A, 2010, 82, .	1.0	15
133	Hyperfine structure in the HD molecule. Physical Review A, 2020, 102, .	1.0	15
134	Hyperfine splitting of $23S1$ state in $He3$ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 3357-3365.	0.6	14
135	Nuclear vector polarizability correction to hyperfine splitting. Physical Review A, 2007, 76, .	1.0	14
136	Applications of four-body exponentially correlated functions. Physical Review A, 2010, 81, .	1.0	14
137	Correlated exponential functions in high-precision calculations for diatomic molecules. Physical Review A, 2012, 86, .	1.0	14
138	Atomic Structure Calculations of Helium with Correlated Exponential Functions. Symmetry, 2021, 13, 1246.	1.1	14
139	Quantum electrodynamics of weakly bound systems. , 1998, 114, 55-70.		13
140	A problematic set of two-loop self-energy corrections. New Journal of Physics, 2002, 4, 49-49.	1.2	13
141	Binding energies of the lithium isoelectronic sequence approaching the critical charge. Physical Review A, 2012, 86, .	1.0	13
142	Nonrelativistic energy levels of HD. Physical Chemistry Chemical Physics, 2018, 20, 26297-26302.	1.3	13
143	Nonradiative $\hat{I}_{\pm}$ QED effects in the Lamb shift of helium triplet states. Physical Review A, 2020, 101, .	1.3	13
144	Three-electron integral in a Gaussian basis set with linear terms. Physical Review A, 2004, 70, .	1.0	12

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145	Finite nuclear mass corrections to electric and magnetic interactions in diatomic molecules. Physical Review A, 2010, 81, .	1.0	12
146	Extended Gaussian quadratures for functions with an end-point singularity of logarithmic type. Computer Physics Communications, 2014, 185, 2913-2919.	3.0	12
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