Savely G Karshenboim

List of Publications by Year
in descending order

166	3,842	147566	161609
papers	citations	31 h-index	54 g-index

173	173	173	1638
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Precision physics of simple atoms: QED tests, nuclear structure and fundamental constants. Physics Reports, 2005, 422, 1-63.	10.3	315
2	Limit on the Present Temporal Variation of the Fine Structure Constant. Physical Review Letters, 2004, 93, 170801.	2.9	252
3	The CODATA 2017 values ofh,e,k, andN_Afor the revision of the SI. Metrologia, 2018, 55, L13-L16.	0.6	228
4	New Determination of the Electronâ€™s Mass. Physical Review Letters, 2001, 88, 011603.	2.9	187
5	PRECISION STUDY OF POSITRONIUM: TESTING BOUND STATE QED THEORY. International Journal of Modern Physics A, 2004, 19, 3879-3896.	0.5	101
6	Some possibilities for laboratory searches for variations of fundamental constants. Canadian Journal of Physics, 2000, 78, 639-678.	0.4	98
7	The Lamb shift of excited S -levels in hydrogen and deuterium atoms. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1997, 39, 109-113.	1.0	64
8	Nuclear structure-dependent radiative corrections to the hydrogen hyperfine splitting. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 225, 97-106.	0.9	60
9	Precision Physics of Simple Atoms and Constraints on a Light Boson with Ultraweak Coupling. Physical Review Letters, 2010, 104, 220406.	2.9	57
10	Non-relativistic calculations of the g-factor of a bound electron. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 266, 380-386.	0.9	56
11	High-Precision Optical Measurement of the2SHyperfine Interval in Atomic Hydrogen. Physical Review Letters, 2004, 92, 033003.	2.9	56
12	Virtual light-by-light scattering and thegfactor of a bound electron. Physical Review A, 2005, 71, .	1.0	56
13	Vacuum polarization in a hydrogen-like relativistic atom: g factor of a bound electron. Journal of Experimental and Theoretical Physics, 2001, 93, 477-484.	0.2	53
14	Higher-order recoil corrections to energy levels of two-body systems. Physical Review A, 1999, 60, 2792-2798.	1.0	52
15	Analytic calculation of radiative-recoil corrections to muonium hyperfine splitting: Electron-line contribution. Annals of Physics, 1991, 205, 231-290.	1.0	48
16	Complete Results for Positronium Energy Levels at OrdermÎ±6. Physical Review Letters, 1998, 80, 2101-2104.	2.9	48
17	Constraints on muon-specific dark forces. Physical Review D, 2014, 90, .	1.6	48
18	Two-loop logarithmic corrections in the hydrogen Lamb shift. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, L29-L31.	0.6	46

#	Article	IF	Citations
19	BoundÎ¼+Î¼âˆ’system. Physical Review A, 1997, 56, 4483-4495.	1.0	45
20	Hyperfine structure in hydrogen and helium ion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 524, 259-264.	1.5	44
21	Extraction of the electron mass from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>g</mml:mi></mml:math> -factor measurements on light hydrogenlike ions. Physical Review A, 2017, 96, .	1.0	44
22	Nuclear-spin-dependent recoil correction to the Lamb shift. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, L221-L224.	0.6	43
23	New contributions to muonium and hydrogen hyperfine splitting induced by vacuum polarization insertions in external photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 229, 285-288.	1.5	39
24	DelbrÃ¼ck scattering and theÂg-factor of a bound electron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 549, 321-324.	1.5	39
25	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>2</mml:mn><mml:mi>S</mml:mi></mml:math>Hyperfine Interval in Atomic Hydrogen. Physical Review Letters, 2009, 102, 213002.	2.9	39
26	Nonrelativistic contributions of order<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mi>Î±</mml:mi><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mml:msup><mm the Lamb shift in muonic hydrogen and deuterium, and in the muonic helium ion. Physical Review A, 2010, 81, .	1.0	37
27	Fundamental physical constants: looking from different angles. Canadian Journal of Physics, 2005, 83, 767-811.	0.4	36
28	Contribution of light-by-light scattering to energy levels of light muonic atoms. JETP Letters, 2010, 92, 8-14.	0.4	36
29	Constraints on a long-range spin-independent interaction from precision atomic physics. Physical Review D, 2010, 82, .	1.6	34
30	Muonium hyperfine structure and hadronic effects. Physical Review D, 2002, 65, .	1.6	33
31	Relativistic recoil corrections to the electron-vacuum-polarization contribution in light muonic atoms. Physical Review A, 2012, 85, .	1.0	33
32	Theory of Lamb Shift in Muonic Hydrogen. Journal of Physical and Chemical Reference Data, 2015, 44, .	1.9	32
33	First corrections of order Î±2 (ZÎ±)5 to hyperfine splitting and Lamb shift induced by two-loop insertions in the electron line. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 312, 358-366.	1.5	31
34	Leading logarithmic corrections and uncertainty of Muonium hyperfine splitting calculations. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1996, 36, 11-15.	1.0	31
35	Production of boundÎ¼+Î¼âˆ’systems in relativistic heavy ion collisions. Physical Review C, 1998, 58, 3565-3573.	1.1	30
36	Logarithmic terms in muonium hyperfine splitting. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 216, 405-408.	1.5	29

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37	Positronium-Ion Decay. Physical Review Letters, 2007, 99, 203401.	2.9	29
38	Narrow atomic transitions with enhanced sensitivity to variation of the fine structure constant. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 1937-1944.	0.6	28
39	Purely radiative contribution to muonium and hydrogen hyperfine splitting induced by light by light scattering insertion in external photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 268, 433-436.	1.5	27
40	Next-to-leading and higher order corrections to the decay rate of dimuonium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 424, 397-404.	1.5	27
41	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Î±</mml:mi><mml:mn>2</mml:mn></mml:msup><mml:mo mathvariant="bold" stretchy="false">(</mml:mo><mml:mi>Z</mml:mi><mml:mi>Î±</mml:mi><mml:msup><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	26
42	Last vacuum polarization contribution of order Î±2(ZÎ±)EF to muonium and hydrogen hyperfine splitting. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 249, 519-522.	1.5	25
43	NMR spectroscopy of hydrogen deuteride and magnetic moments of deuteron and triton. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 318, 126-132.	0.9	25
44	All-analytic radiative-recoil corrections to ground state muonium hyperfine splitting. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 202, 572-574.	1.5	24
45	2Shyperfine structure of atomic deuterium. Physical Review A, 2004, 70, .	1.0	24
46	Constraints on a long-range spin-dependent interaction from precision atomic physics. Physical Review D, 2010, 82, .	1.6	24
47	Publisherâ€™s Note: Constraints on muon-specific dark forces [Phys. Rev. D90, 073004 (2014)]. Physical Review D, 2014, 90, .	1.6	24
48	Hadronic effects in leptonic systems: muonium hyperfine structure and anomalous magnetic moment of muon. Canadian Journal of Physics, 2002, 80, 1297-1303.	0.4	22
49	gfactor of an electron or muon bound by an arbitrary central potential. Physical Review A, 2005, 72, .	1.0	22
50	Astrophysics, atomic clocks and fundamental constants. European Physical Journal: Special Topics, 2008, 163, 1-7.	1.2	22
51	Analytical calculation of the electron-line radiative-recoil corrections to muonium hyperfine splitting. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 177, 425-428.	1.5	21
52	Corrections to the wave function and the hyperfine structure in exotic atoms. European Physical Journal D, 1998, 2, 209-215.	0.6	21
53	The g factor in a light two-body atomic system: a determination of fundamental constants to test QED. Canadian Journal of Physics, 2002, 80, 1305-1312.	0.4	21
54	Second-order corrections to the wave function at the origin in muonic hydrogen and pionium. Physical Review D, 2009, 80, .	1.6	21

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55	Constraint on axionlike particles from atomic physics. Physical Review A, 2011, 84, .	1.0	21
56	The Lamb shift of the 1s state in hydrogen: Two-loop and three-loop contributions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 432-437.	1.5	21
57	Nonresonant effects and hydrogen transition line shape in cosmological recombination problems. Astronomy Letters, 2008, 34, 289-297.	0.1	20
58	Polarization of vacuum in a hydrogen-like relativistic atom: Hyperfine structure. Journal of Experimental and Theoretical Physics, 2000, 90, 59-65.	0.2	19
59	Hadronic light-by-light scattering in muonium hyperfine splitting. Physical Review D, 2008, 78, .	1.6	19
60	Recoil correction to the proton finite-size contribution to the Lamb shift in muonic hydrogen. Physical Review D, 2015, 91, .	1.6	19
61	The g factor of the proton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 566, 27-34.	1.5	18
62	Recent progress in determination of fundamental constants and fundamental physics at low energies. Annalen Der Physik, 2013, 525, 472-483.	0.9	18
63	Progress in the accuracy of the fundamental physical constants: 2010 CODATA recommended values. Physics-Uspekhi, 2013, 56, 883-909.	0.8	18
64	Accuracy of the optical determination of the proton charge radius. Physical Review A, 2015, 91, .	1.0	18
65	Fried-Yennie gauge recalculation of the electron line induced radiative-recoil corrections to muonium hyperfine splitting. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 216, 401-404.	1.5	17
66	Muonic vacuum polarization contribution to the energy levels of atomic hydrogen. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, L77-L79.	0.6	17
67	Polarization of the vacuum in a relativistic hydrogenlike atom: The Lamb shift. Journal of Experimental and Theoretical Physics, 1999, 89, 850-855.	0.2	17
68	Fundamental physical constants: their role in physics and metrology and recommended values. Physics-Uspekhi, 2005, 48, 255-280.	0.8	17
69	Analytic calculation of radiative-recoil corrections to muonium hyperfine splitting: Muon-line contribution. Annals of Physics, 1991, 205, 291-308.	1.0	16
70	Radiative corrections to dipole matrix elements in hydrogen-like atoms. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 210, 313-316.	0.9	16
71	Hadronic vacuum polarization contribution to the muonium hyperfine splitting. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 517, 32-36.	1.5	16
72	Some analytic results on the Uehling correction in a muonic atom. Canadian Journal of Physics, 1998, 76, 169-172.	0.4	16

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73	Purely radiative contribution to muonium and hydrogen hyperfine splitting induced by light by light scattering insertion in external photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 319, 545.	1.5	15
74	Systematic model calculations of the hyperfine structure in light and heavy ions. Canadian Journal of Physics, 2002, 80, 1347-1354.	0.4	15
75	Vacuum polarization in muonic atoms: the Lamb shift at low and medium Z. European Physical Journal D, 2006, 39, 351-358.	0.6	15
76	Hyperfine splitting in muonic hydrogen: QED corrections of the Î±2 order. JETP Letters, 2008, 88, 641-646.	0.4	15
77	Electron shielding of the nuclear magnetic moment in a hydrogenlike atom. Physical Review A, 2009, 79, .	1.0	15
78	Self-consistent value of the electric radius of the proton from the Lamb shift in muonic hydrogen. Physical Review D, 2014, 90, .	1.6	15
79	Higher-order logarithmic contributions to the Lamb shift in hydrogen, deuterium, and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mo>+</ Physical Review A, 2018, 98, .	1.0	15
80	Title is missing!. European Physical Journal D, 2002, 19, 13-23.	0.6	15
81	A new determination of the proton-to-deuteron ratio of magnetic moments. Canadian Journal of Physics, 2005, 83, 405-412.	0.4	14
82	Finite-nuclear-size contribution to the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>g</mml:mi></mml:math> factor of a bound electron: Higher-order effects. Physical Review A, 2018, 97, .	1.0	14
83	Precision study of positronium and precision tests of the bound state quantum electrodynamics. Applied Surface Science, 2002, 194, 307-311.	3.1	13
84	Search for a possible variation of the fine structure constant. General Relativity and Gravitation, 2006, 38, 159-182.	0.7	13
85	Vacuum polarization in muonic and antiprotonic atoms: the fine structure at mediumÂZ. European Physical Journal D, 2007, 41, 1-7.	0.6	13
86	Hyperfine structure interval of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2</mml:mn><mml:mi>s</mml:mi></mml:mrow></mml:math>state of hydrogenlike atoms and a constraint on a pseudovector boson with mass below 1 keV<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo>/</mml:mo><mml:msup><mml:mi>c</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mro Physical Review A, 2011, 83, .	1.0	13
87	Model-independent determination of the magnetic radius of the proton from spectroscopy of ordinary and muonic hydrogen. Physical Review D, 2014, 90, .	1.6	13
88	Analytic Results on the VP Contribution to the Energy in Hydrogen-Like Ions. Physica Scripta, 1999, T80, 491.	1.2	12
89	Optical measurement of the 2S hyperfine interval in atomic hydrogen. Canadian Journal of Physics, 2002, 80, 1225-1231.	0.4	11
90	Improved theoretical prediction for the 2s hyperfine interval in helium ion. Canadian Journal of Physics, 2005, 83, 1063-1069.	0.4	11

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91	Virtual DelbrÃ¼ck scattering and the Lamb shift in light hydrogenlike atoms. Physical Review A, 2019, 100, .	1.0	11
92	Nonresonant corrections for the optical resonance frequency measurements in the hydrogen atom. Physical Review A, 2009, 79, .	1.0	10
93	Lamb shift of electronic states in neutral muonic helium, an electron-muon-nucleus system. Physical Review A, 2015, 91, .	1.0	10
94	Study of hyperfine structure in simple atoms and precision tests of the bound state QED. Nuclear Physics, Section B, Proceedings Supplements, 2006, 162, 260-263.	0.5	9
95	Adjusted recommended values of the fundamental physical constants. European Physical Journal: Special Topics, 2009, 172, 385-397.	1.2	9
96	Quantum electrodynamics, high-resolution spectroscopy and fundamental constants. Applied Physics B: Lasers and Optics, 2017, 123, 1.	1.1	9
97	Low energy levels in neutral muonic helium within a nonrelativistic approach. Physical Review A, 2018, 97, .	1.0	9
98	Lamb shift and fine structure at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>n</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn> in a hydrogenlike muonic atom with the nuclear spin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>I</mml:mi><mml:mo>=</mml:mo><mml:mn>0</mml:mn> Physical Review A, 2018, 97, .	1.0	9
99	Hadronic vacuum-polarization contribution to various QED observables. European Physical Journal D, 2021, 75, 1.	0.6	9
100	Bound states of the muon-antimuon system: Lifetimes and hyperfine splitting. Journal of Experimental and Theoretical Physics, 1998, 86, 226-236.	0.2	8
101	Wave function correction to the decay of pionium and heavy fermionium. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 241, 351-356.	0.9	8
102	A constraint on antigravity of antimatter from precision spectroscopy of simple atoms. Astronomy Letters, 2009, 35, 663-669.	0.1	8
103	Advances in Determination of Fundamental Constants. Journal of Physical and Chemical Reference Data, 2015, 44, .	1.9	8
104	Three-loop radiative corrections to the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>s</mml:mi></mml:mrow></mml:m Lamb shift in hydrogen. Physical Review A, 2019, 100, .	1.0	8
105	Some analytic results on the Uehling correction to hyperfine splitting in a muonic atom. Canadian Journal of Physics, 1998, 76, 503-506.	0.4	8
106	Two-body effects in the decay rate of atomic levels. Physical Review A, 1997, 56, 4311-4313.	1.0	7
107	Simple Atoms, Quantum Electrodynamics, and Fundamental Constants. Lecture Notes in Physics, 2003, , 141-162.	0.3	7
108	Cosmological variation of the fine-structure constant versus a new interaction. Physical Review A, 2004, 70, .	1.0	7

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109	The Uehling correction to the energy levels in a pionic atom. Canadian Journal of Physics, 2006, 84, 107-113.	0.4	7
110	g factor of the bound electron and muon. Canadian Journal of Physics, 2007, 85, 541-549.	0.4	7
111	â€œHyperfine splitting in muonic hydrogen: QED corrections of the Î±2 order,â€• JETP Letters, 2009, 89, 216-216.	0.4	7
112	Positronium, antihydrogen, light, and the equivalence principle. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 144001.	0.6	7
113	Î±(ZÎ±)5m finite-nuclear-size contribution to the energy levels in light muonic atoms. Physical Review A, 2018, 98, .	1.0	7
114	Light-by-light-scattering contributions to the Lamb shift in light muonic atoms. Physical Review A, 2018, 98, .	1.0	7
115	Higher-order logarithmic corrections and the two-loop self-energy of a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>1</mml:mn><mml:mi>s</mml:mi></mml:math> electron in hydrogen. Physical Review A, 2019, 100, .	1.0	7
116	Title is missing!. Physics-Uspekhi, 2006, 49, 947.	0.8	6
117	New recommended values of the fundamental physical constants (CODATA 2006). Physics-Uspekhi, 2008, 51, 1019-1026.	0.8	6
118	Comments to â€œOn the Accuracy of Lamb Shift Measurements in Hydrogenâ€• Physica Scripta, 1998, 57, 213-214.	1.2	5
119	An Introduction to Varying Fundamental Constants. Lecture Notes in Physics, 2004, , 1-18.	0.3	5
120	Corrections to the energy levels of a spin-zero particle bound in a strong field. Physical Review A, 2006, 73, .	1.0	5
121	Theory of the Lamb shift in muonic tritium and the muonic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:none /><mml:mn>3</mml:mn></mml:mmultiscripts></mml:math> ion. Physical Review A, 2017, 96, .	1.0	5
122	Precise physics of simple atoms. AIP Conference Proceedings, 2001, , .	0.3	4
123	Relativistic recoil effects for energy levels in a muonic atom within a Grotch-type approach. I. General approach. Physical Review A, 2014, 89, .	1.0	4
124	Relativistic recoil effects for energy levels in a muonic atom within a Grotch-type approach. II. An application to the one-loop electronic vacuum polarization. Physical Review A, 2014, 89, .	1.0	4
125	The g Factor of a Bound Electron in a Hydrogen-Like Atom. , 2001, , 651-663.		4
126	Corrections to hyperfine splitting and Lamb shift induced by diagrams with second-order radiative insertions in the electron line. IEEE Transactions on Instrumentation and Measurement, 1995, 44, 481-483.	2.4	3

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127	Radiative corrections to the light muonic atoms decay rate. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 235, 375-378.	0.9	3
128	New limit on the present temporal variation of the fine structure constant. AIP Conference Proceedings, 2005, , .	0.3	3
129	The 2s hyperfine structure in hydrogen and deuterium: a precision test of bound state quantum electrodynamics. Canadian Journal of Physics, 2005, 83, 283-292.	0.4	3
130	2s Hyperfine splitting in light hydrogen-like atoms: Theory and experiment. Journal of Experimental and Theoretical Physics, 2006, 102, 367-379.	0.2	3
131	Vacuum polarization in muonic and exotic atoms: the Lamb shift at medium Z and high n. Canadian Journal of Physics, 2007, 85, 551-561.	0.4	3
132	Towards a natural system of units for physics and metrology. European Physical Journal: Special Topics, 2008, 163, 141-157.	1.2	3
133	Fundamental physical constants: Input data and recommended values by CODATA 2002. Physics of Particles and Nuclei Letters, 2008, 5, 310-316.	0.1	3
134	Root-mean-square charge radius of a muonic atom. Physical Review A, 2016, 94, .	1.0	3
135	Radiative corrections to the hadronic vacuum polarization contribution to the muonium hyperfine interval. Physical Review D, 2018, 97, .	1.6	3
136	Determination of the Proton Charge Radius by Different Methods. Physics of Particles and Nuclei Letters, 2019, 16, 514-519.	0.1	3
137	Theoretical prediction for the muonium hyperfine-structure interval and its accuracy. Physical Review A, 2021, 103, .	1.0	3
138	Radiative corrections for level widths in light muonic atoms. Journal of Experimental and Theoretical Physics, 1997, 85, 435-440.	0.2	2
139	Uehling correction in muonic atoms to all orders of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Z</mml:mi><mml:mi>Î±</mml:mi></mml:mrow></mml:math>. Physical Review A, 2009, 80, .	1.0	2
140	Relativistic recoil effects on energy levels in a muonic atom: A Grotch-type calculation of the second-order vacuum-polarization contributions. Physical Review A, 2014, 89, .	1.0	2
141	Salpeter contribution to the Lamb shift in a hydrogenlike atom with the nuclear spin I=1. Physical Review D, 2018, 97, .	1.6	2
142	Relativistic finite-nuclear-size corrections to the energy levels in light muonic atoms. Physical Review A, 2019, 99, .	1.0	2
143	2s Hyperfine Structure in Hydrogen Atom and Helium-3 Ion. Lecture Notes in Physics, 2001, , 335-343.	0.3	2
144	Sum rules for an atomic hyperfine structure in a magnetic field. Canadian Journal of Physics, 2006, 84, 801-811.	0.4	1

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145	Quantum Approach to Electromagnetic Units: The SI and the Gaussian System. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 444-447.	2.4	1
146	Recoil correction to the decay rate of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2</mml:mn><mml:mi>p</mml:mi></mml:mrow></mml:math>states in hydrogenlike atoms. Physical Review A, 2009, 79, .	1.0	1
147	Neutral meson oscillations and equivalence principle for particles and antiparticles. Physics of Particles and Nuclei Letters, 2009, 6, 450-454.	0.1	1
148	Decay of the dimuonium into a photon and a neutral pion. Physical Review D, 2017, 96, .	1.6	1
149	The g factor of the bound muon in medium-Z muonic atoms. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 485-490.	1.5	1
150	Subtractions and the effective Salpeter term for the Lamb shift in muonic atoms with the nuclear spin I â‰ 1â•2. European Physical Journal D, 2019, 73, 1.	0.6	1
151	Hyperfine Structure in Muonic Hydrogen. , 2001, , 446-453.		1
152	Lamb Shift in Light Hydrogen-Like Atoms. , 2001, , 637-650.		1
153	Precision Optical Measurements and Fundamental Physical Constants. , 2002, , 165-176.		1
154	The fine structure constant and the muonium atom. Measurement Techniques, 1993, 36, 134-141.	0.2	0
155	What do we actually know on the proton radius?. , 0, , .		0
156	Towards an optical measurement of the HFS interval in the 2s state in hydrogen. , 0, , .		0
157	Simple atoms, and fundamental constants. , 0, , .		0
158	Determination of Magnetic Moments of Proton and Deuteron. , 2004, , .		0
159	Preface / PrÃ©face. Canadian Journal of Physics, 2007, 85, v-vi.	0.4	0
160	Chapter 12 Conceptual Problems in Phenomenological Interpretation in Searches for Variation of Constants and Violation of Various Invariances. Advances in Quantum Chemistry, 2008, , 237-252.	0.4	0
161	Foreword / Avant-Propos. Canadian Journal of Physics, 2009, 87, iii.	0.4	0
162	Accurate Determination of the Values of Fundamental Physical Constants: The Basis of the New â€œQuantumâ€•SI Units. Physics of Particles and Nuclei, 2018, 49, 213-248.	0.2	0

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163	Quantum Electrodynamics, High-Resolution Spectroscopy and Fundamental Constants. , 2018, , 237-265.		0
164	Two-body corrections to the g factors of the bound muon and nucleus in light muonic atoms. European Physical Journal D, 2019, 73, 1.	0.6	0
165	Looking Through Simple Atoms and Molecules at Fundamental Physics. Lecture Notes in Physics, 2008, , 1-5.	0.3	0
166	Guide for Atomic and Particle Physicists to CODATAâ€™s Recommended Values of the Fundamental Physical Constants. Lecture Notes in Physics, 2008, , 35-53.	0.3	0