

# Marianna S Safronova

## List of Publications by Year in descending order

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155  
papers

6,837  
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87723

38  
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g-index

156  
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156  
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156  
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Magic wavelengths of the Sr ( $5s^2\ ^1S_0$ $\leftrightarrow$ $5s5p\ ^3P_1$ ) intercombination transition near the $5s5p\ ^3P_1$ $\leftrightarrow$ $5p^2\ ^3P_2$ transition. Physical Review A, 2022, 105, .	1.0	2
2	Laser spectroscopy of the $y$ states of Cr I. Physical Review A, 2022, 105, .	1.0	4
3	Fundamental physics with a state-of-the-art optical clock in space. Quantum Science and Technology, 2022, 7, 044002.	2.6	16
4	Predicting quasibound states of negative ions: $\text{La}^{\text{m}}\text{O}^{\text{m}}\hat{a}^{\text{m}}$ as a test case. Physical Review A, 2021, 103, .	1.0	1
5	Observation of an Electric Quadrupole Transition in a Negative Ion: Experiment and Theory. Physical Review Letters, 2021, 126, 083001.	2.9	4
6	Nuclear clocks for testing fundamental physics. Quantum Science and Technology, 2021, 6, 034002.	2.6	58
7	Scalable Codes for Precision Calculations of Properties of Complex Atomic Systems. Symmetry, 2021, 13, 621.	1.1	12
8	Role of triple excitations in calculating different properties of Ba <sup>+</sup> . Physical Review A, 2021, 103, .	1.0	2
9	Low-lying energy levels of $^{229}\text{Th}^{35+}$ and the electronic bridge process. Quantum Science and Technology, 2021, 6, 034014.	2.6	1
10	Quantum technologies and the elephants. Quantum Science and Technology, 2021, 6, 040401.	2.6	3
11	Measurement of the tune-out wavelength for $\text{Cs}$ at 880Ånm. Physical Review A, 2021, 103, .	1.0	4
12	Precision Calculation of Hyperfine Constants for Extracting Nuclear Moments of $\text{Th}$ . Physical Review Letters, 2021, 127, 253001.	2.9	8
13	Visible spectra of heavy ions with an open 4f shell. X-Ray Spectrometry, 2020, 49, 200-203.	0.9	5
14	Branching fractions for $\text{P}^3$ decays in $\text{Ba}^+$ . Physical Review A, 2020, 101, 013401.	1.0	8
15	Optical clocks based on $\text{Cf}$ and $\text{Cf}^+$ . Physical Review A, 2020, 101, 013401.	1.0	17
16	Calculation of higher-order corrections to the light shift of the $S_{1/2}^9$ level in $\text{Th}^5$ . Physical Review A, 2020, 101, 013401.	1.0	9
17	Detection of the Lowest-Lying Odd-Parity Atomic Levels in Actinium. Physical Review Letters, 2020, 125, 073001.	2.9	8
18	Precision measurement of the $\text{D}_{1/2}^3$ level in $\text{D}^3$ and $\text{D}^2$ quadrupol. Physical Review A, 2020, 101, 013401.	1.0	2

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19	Hyperfine-mediated effects in a $\text{Lu}^{171}\text{Yb}^{171}$ optical clock. Physical Review A, 2020, 102, .	1.0	7
20	Probing the relaxed relaxation at the luminosity and precision frontiers. Journal of High Energy Physics, 2020, 2020, 1.	1.6	45
21	State-Dependent Optical Lattices for the Strontium Optical Qubit. Physical Review Letters, 2020, 124, 203201.	2.9	33
22	High Resolution Photoexcitation Measurements Exacerbate the Long-Standing Fe XVII Oscillator Strength Problem. Physical Review Letters, 2020, 124, 225001.	2.9	25
23	The lifetime of the $\text{P}^{2-}$ state in $\text{Lu}^{171}$	1.0	7
24	Magic wavelength of the $\text{Ba}^{138} 6s\ ^1S_1/2 \leftrightarrow 5d\ ^5D_5/2$ clock transition. Physical Review A, 2020, 101, .	1.0	6
25	Accurate Prediction of Clock Transitions in a Highly Charged Ion with Complex Electronic Structure. Physical Review Letters, 2020, 124, 163001.	2.9	25
26	Mass spectrometry for future atomic clocks. Nature, 2020, 581, 35-36.	13.7	1
27	Magic wavelengths of the $\text{Yb} (6s^2\ ^1S_1 \leftrightarrow 6s6p\ ^1P_1)$ intercombination transition. Physical Review A, 2020, 102, .	1.0	4
28	Suppressing Inhomogeneous Broadening in a Lutetium Multi-ion Optical Clock. Physical Review Letters, 2019, 123, 063201.	2.9	20
29	Polarizability assessments of ion-based optical clocks. Physical Review A, 2019, 100, .	1.0	13
30	Frequency shifts due to Stark effects on a rubidium two-photon transition. Physical Review A, 2019, 100, .	1.0	19
31	Measurements of the branching ratios for $6P_{1/2}$ decays in $\text{Ba}^{138}$ . Physical Review A, 2019, 100, .	1.0	12
32	Narrow-line Cooling and Determination of the Magic Wavelength of Cd. Physical Review Letters, 2019, 123, 113201.	2.9	37
33	Dynamic polarizability measurements with $\text{Lu}^{171}$	1.0	9
34	The Search for Variation of Fundamental Constants with Clocks. Annalen Der Physik, 2019, 531, 1800364.	0.9	30
35	Atomic Clocks: The Search for Variation of Fundamental Constants with Clocks (Ann. Phys. 5/2019). Annalen Der Physik, 2019, 531, 1970023.	0.9	3
36	Optical clock comparison for Lorentz symmetry testing. Nature, 2019, 567, 204-208.	13.7	147

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37	Electric dipole matrix elements for the $6s^2 6p^2$ configuration of Pb. Physical Review A, 2019, 100, .	1.0	14
38	High-precision measurement and ab initio calculation of the $(6s26p^2) \text{ } ^3\text{P}^o_1$ electric-quadrupole-transition amplitude in Pb208. Physical Review A, 2019, 100, .	1.0	3
39	Measurement of the $6s^2 6p^2$ configuration of Pb. Physical Review A, 2019, 100, .	1.0	5
40	New Methods for Testing Lorentz Invariance with Atomic Systems. Physical Review Letters, 2018, 120, 103202.	2.9	36
41	High-precision measurements and theoretical calculations of indium excited-state polarizabilities. Physical Review A, 2018, 97, .	1.0	5
42	In search of the nuclear clock. Nature Physics, 2018, 14, 198-198.	6.5	4
43	Atomic properties of actinide ions with particle-hole configurations. Physical Review A, 2018, 97, .	1.0	4
44	Multipolar Polarizabilities and Hyperpolarizabilities in the Sr Optical Lattice Clock. Physical Review Letters, 2018, 120, 063204.	2.9	21
45	Relativistic all-order many-body calculation of energies, wavelengths, and transition rates for the $6s^2 6p^2$ configuration of Pb. Physical Review A, 2019, 100, .	1.0	18
46	Two Clock Transitions in Neutral Yb for the Highest Sensitivity to Variations of the Fine-Structure Constant. Physical Review Letters, 2018, 120, 173001.	2.9	56
47	Ultracold Anions for High-Precision Antihydrogen Experiments. Physical Review Letters, 2018, 120, 133205.	2.9	29
48	Nobelium energy levels and hyperfine-structure constants. Physical Review A, 2018, 98, .	1.0	16
49	Nuclear Charge Radii of $^{229}\text{Th}$ from Isotope and Isomer Shifts. Physical Review Letters, 2018, 121, 212001.	2.9	15
50	Alkaline-Earth Atoms in Optical Tweezers. Physical Review X, 2018, 8, .	2.8	125
51	Highly charged ions: Optical clocks and applications in fundamental physics. Reviews of Modern Physics, 2018, 90, .	16.4	175
52	Search for new physics with atoms and molecules. Reviews of Modern Physics, 2018, 90, .	16.4	902
53	Clock-related properties of $^{229}\text{Th}$ . Physical Review A, 2018, 98, .	1.0	2
54	Probing Sizes and Shapes of Nobelium Isotopes by Laser Spectroscopy. Physical Review Letters, 2018, 120, 232503.	2.9	63

#	ARTICLE	IF	CITATIONS
55	Theoretical study of the g factor and lifetime of the 6s6pP03 state of mercury. Physical Review A, 2017, 96, .	1.0	7
56	Relativistic many-body calculation of energies, multipole transition rates, and lifetimes in tungsten ions. Physical Review A, 2017, 95, .	1.0	4
57	Quantum Electrodynamical Shifts in Multivalent Heavy Ions. Physical Review Letters, 2016, 117, 253001.	2.9	38
58	Elusive transition spotted in thorium. Nature, 2016, 533, 44-45.	13.7	7
59	Relativistic many-body calculation of energies, lifetimes, polarizabilities, blackbody radiative shift, and hyperfine constants in $\text{Lu}^{+}$ . Physical Review A, 2016, 94, .	1.0	1
60	Effective three-particle forces in polyvalent atoms. Physical Review A, 2016, 94, .	1.0	5
61	Ionization potentials of superheavy elements No, Lr, and Rf and their ions. Physical Review A, 2016, 94, .	1.0	16
62	Magic wavelengths, matrix elements, polarizabilities, and lifetimes of Cs. Physical Review A, 2016, 94, .	1.0	33
63	Development of the configuration-interaction + all-order method and application to the parity-nonconserving amplitude and other properties of Pb. Physical Review A, 2016, 93, .	1.0	16
64	Energy shift due to anisotropic blackbody radiation. Physical Review A, 2016, 93, .	1.0	7
65	Atomic properties of $\text{Lu}^{+}$ . Physical Review A, 2016, 93, .	1.0	21
66	Strongly enhanced effects of Lorentz symmetry violation in entangled $\text{Yb}^{+}$ ions. Nature Physics, 2016, 12, 465-468.	6.5	59
67	Observation of an unexpected negative isotope shift in $\text{Th}^{+}$ and its theoretical explanation. Physical Review A, 2015, 92, .	1.0	15
68	Transitions between the 4f-core-excited states in $\text{Ir}^{16+}$ , $\text{Ir}^{17+}$ , and $\text{Ir}^{18+}$ ions for clock applications. Physical Review A, 2015, 92, .	1.0	8
69	Extracting transition rates from zero-polarizability spectroscopy. Physical Review A, 2015, 92, .	1.0	21
70	High-precision measurements of the $\text{Rb}^{+}$ $D$ -line tune-out wavelength. Physical Review A, 2015, 92, .	1.0	40
71	Actinide ions for testing the spatial $\text{Z}^{-1}$ -variation hypothesis. Physical Review A, 2015, 92, .	1.0	20
72	Towards a Mg Lattice Clock: Observation of the $S$ $\hat{\alpha}^{\prime}$ variation. Physical Review Letters, 2015, 115, 240801.	2.9	48

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73	Relativistic configuration interaction plus linearized-coupled-cluster calculations of U <sup>2+</sup> energies, g factors, transition rates, and lifetimes. <i>Physical Review A</i> , 2015, 92, .	1.0	8
74	Correlation effects in La, Ce, and lanthanide ions. <i>Physical Review A</i> , 2015, 91, .	1.0	13
75	Michelson–Morley analogue for electrons using trapped ions to test Lorentz symmetry. <i>Nature</i> , 2015, 517, 592-595.	13.7	86
76	Systematic evaluation of an atomic clock at 2 Å <sup>-1</sup> 10 <sup>-18</sup> total uncertainty. <i>Nature Communications</i> , 2015, 6, 6896.	5.8	584
77	Relativistic calculations of C <sub>6</sub> and C <sub>8</sub> coefficients for strontium dimers. <i>Physical Review A</i> , 2014, 90, .	1.0	10
78	All-order relativistic many-body theory of low-energy electron-atom scattering. <i>Physical Review A</i> , 2014, 89, .	1.0	11
79	Long-range interaction coefficients for ytterbium dimers. <i>Physical Review A</i> , 2014, 89, .	1.0	30
80	Highly charged Ag-like and In-like ions for the development of atomic clocks and the search for $\alpha$ variation. <i>Physical Review A</i> , 2014, 90, .	1.0	44
81	Atomic properties of Cd-like and Sn-like ions for the development of frequency standards and search for the variation of the fine-structure constant. <i>Physical Review A</i> , 2014, 90, .	1.0	33
82	Relativistic many-body calculations of van der Waals coefficients for Yb-Li and Yb-Rb dimers. <i>Physical Review A</i> , 2014, 89, .	1.0	13
83	Relativistic all-order calculations of Th and $\alpha$ variation. <i>Physical Review A</i> , 2014, 90, .	1.0	22
84	Relativistic many-body calculation of energies, transition rates, lifetimes, and multipole polarizabilities in Cs-like La iii. <i>Physical Review A</i> , 2014, 89, .	1.0	8
85	Highly Charged Ions for Atomic Clocks, Quantum Information, and Search for $\alpha$ variation. <i>Physical Review Letters</i> , 2014, 113, 030801.	2.9	93
86	Spectroscopic observation of SU(2)-symmetric interactions in Sr orbital magnetism. <i>Science</i> , 2014, 345, 1467-1473.	6.0	290
87	Relativistic many-body calculation of energies, oscillator strengths, transition rates, lifetimes, polarizabilities, and quadrupole moment of a Fr-like Th $\alpha$ variation. <i>Physical Review A</i> , 2013, 87, .	1.0	9
88	Polarizabilities, Stark shifts, and lifetimes of the In atom. <i>Physical Review A</i> , 2013, 87, .	1.0	23
89	Critically evaluated theoretical atomic properties of Y iii. <i>Physical Review A</i> , 2013, 87, .	1.0	9
90	Relativistic many-body calculation of energies, lifetimes, polarizabilities, and hyperpolarizabilities in Li-like Be $\alpha$ variation. <i>Physical Review A</i> , 2013, 87, .	1.0	8

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91	Thallium 7plifetimes derived from experimental data andab initio calculations of scalar polarizabilities. Physical Review A, 2013, 87, .	1.0	11
92	Magic wavelengths for optical cooling and trapping of potassium. Physical Review A, 2013, 87, .	1.0	20
93	Magnetic dipole and electric quadrupole moments of the $^{229}\text{Th}$ nucleus. Physical Review A, 2013, 88, .	1.0	34
94	Blackbody-radiation shift in the Sr optical atomic clock. Physical Review A, 2013, 87, .	1.0	103
95	Ytterbium in Quantum Gases and Atomic Clocks: van der Waals Interactions and Blackbody Shifts. Physical Review Letters, 2012, 109, 230802.	2.9	44
96	Magic wavelengths for optical cooling and trapping of lithium. Physical Review A, 2012, 86, .	1.0	48
97	Correlation effects in Yb $^{229}\text{Th}$ and implications for parity violation. Physical Review A, 2012, 86, .	1.0	20
98	Calculation of quadrupole polarizabilities with combined configuration interaction and coupled-cluster method. Physical Review A, 2012, 85, .	1.0	9
99	Anomalously small blackbody radiation shift in the Tl $^{229}\text{Th}$ frequency standard. Physical Review A, 2012, 85, .	1.0	15
100	Relativistic many-body calculation of energies, oscillator strengths, transition rates, and lifetimes of Sc III ion. Physical Review A, 2012, 85, .	1.0	13
101	Atomic properties of Pb III. Physical Review A, 2012, 85, .	1.0	15
102	Precision Measurement of Transition Matrix Elements via Light Shift Cancellation. Physical Review Letters, 2012, 109, 243003.	2.9	68
103	Electric Dipole Moment Enhancement Factor of Thallium. Physical Review Letters, 2012, 108, 173001.	2.9	51
104	Atomic calculations for future technology and study of fundamental problems. , 2012, , .		0
105	Blackbody radiation shifts in optical atomic clocks. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 439-447.	1.7	32
106	Polarizabilities of $^{229}\text{Si}$ A benchmark test of theory and experiment. Physical Review A, 2012, 85, .	1.0	23
107	Precision Calculation of Blackbody Radiation Shifts for Optical Frequency Metrology. Physical Review Letters, 2011, 107, 143006.	2.9	95
108	Critically evaluated theoretical energies, lifetimes, hyperfine constants, and multipole polarizabilities in $^{87}\text{Rb}$ . Physical Review A, 2011, 83, .	1.0	107

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109	Correlation and relativistic effects in actinide ions. Physical Review A, 2011, 84, .	1.0	6
110	Blackbody radiation shift, multipole polarizabilities, oscillator strengths, lifetimes, hyperfine constants, and excitation energies in Hg $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ . Physical Review A, 2011, 84, .	1.0	7
111	Tune-out wavelengths of alkali-metal atoms and their applications. Physical Review A, 2011, 84, .	1.0	72
112	Resolving all-order method convergence problems for atomic physics applications. Physical Review A, 2011, 83, .	1.0	10
113	Experimental and theoretical study of the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle d \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ Blackbody radiation shift, multipole polarizabilities, oscillator strengths, lifetimes, hyperfine constants, and excitation energies in Ca $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ . Physical Review A, 2011, 83, .	1.0	9
114	Blackbody radiation shift in the Rb87 frequency standard. Physical Review A, 2010, 82, .	1.0	86
115	Theory and applications of atomic and ionic polarizabilities. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 202001.	0.6	395
117	Black-body radiation shifts and theoretical contributions to atomic clock research. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 94-105.	1.7	28
118	Third-order relativistic many-body calculations of energies, transition rates, hyperfine constants, and blackbody radiation shift in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mtext} \rangle Y \langle \text{mml:mtext} \rangle \langle \text{mml:mprescripts} \rangle 35 \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 171 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mtext} \rangle b \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ . Physical Review A, 2009, 79, .	1.0	35
119	Correlation and relativistic effects for the $4f^{\sim}n$ multipole transitions in Yb III ions. Physical Review A, 2009, 79, .	1.0	8
120	Blackbody radiation shifts and theoretical contributions to atomic clock research. , 2009, , .		0
121	Development of a configuration-interaction plus all-order method for atomic calculations. Physical Review A, 2009, 80, .	1.0	127
122	Blackbody-radiation shift in a $^{88}\text{Sr}^{\sim}$ ion optical frequency standard. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 154020.	0.6	67
123	ATOMIC PNC THEORY: CURRENT STATUS AND FUTURE PROSPECTS. , 2009, , .		0
124	All-Order Methods for Relativistic Atomic Structure Calculations. Advances in Atomic, Molecular and Optical Physics, 2008, 55, 191-233.	2.3	99
125	High-accuracy calculation of energies, lifetimes, hyperfine constants, multipole polarizabilities, and blackbody radiation shift in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 39 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ . Physical Review A. 2008. 78, .	1.0	33
126	Experimental and theoretical study of the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle n \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle f \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -level lifetimes of potassium. Physical Review A, 2008, 77, .	1.0	4



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127	Nuclear Magnetic Moment of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Fr} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 210 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ : A Combined Theoretical and Experimental Approach. <i>Physical Review Letters</i> , 2008, 100, 172502.	2.9	41
128	Coherent effects in Cs (nD) states in the presence of an external electric field. , 2007, , .		0
129	Excitation energies, polarizabilities, multipole transition rates, and lifetimes of ions along the francium isoelectronic sequence. <i>Physical Review A</i> , 2007, 76, .	1.0	40
130	Level-crossing spectroscopy of the 7, 9, and 10D5 $\hat{a}^2$ states of Cs133 and validation of relativistic many-body calculations of the polarizabilities and hyperfine constants. <i>Physical Review A</i> , 2007, 75, .	1.0	30
131	Relativistic many-body calculations of energies, E2, and M1 transition rates of 4s24p states in Ga-like ions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 348, 293-298.	0.9	23
132	Nonlinear optical approach to matrix-element spectroscopy of the 5s2S1/2 $\hat{a}^1$ 5p2Pj $\hat{a}^1$ 5d2Dj $\hat{a}^2$ transitions in 87Rb. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 2545-2560.	0.6	8
133	Excitation energies, hyperfine constants, E1 transition rates and lifetimes of 4s2nl states in neutral gallium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 749-764.	0.6	10
134	Relativistic many-body calculations of electric-dipole lifetimes, transition rates and oscillator strengths for 2l $\hat{a}^1$ 13l $\hat{a}^2$ states in Ne-like ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 2741-2763.	0.6	17
135	Relativistic many-body calculations of energies for doubly-excited 1s2l2l $\hat{a}^2$ and 1s3l3l $\hat{a}^2$ states in Li-like ions. <i>Canadian Journal of Physics</i> , 2004, 82, 743-764.	0.4	12
136	Relativistic many-body calculations of E1, E2, M1, and M2 transitions rates for the 1 s 2 l $\hat{a}^2$ 2 l $\hat{a}^2$ lines in Li-like ions. <i>Molecular Physics</i> , 2004, 102, 1331-1344.	0.8	6
137	Relativistic many-body calculations of E1, E2, M1, and M2 transitions rates for the 1 s 2 l $\hat{a}^2$ 2 l $\hat{a}^2$ - 1 s 2 2 l lines in Li-like ions. <i>Molecular Physics</i> , 2004, 102, 1331-1344.	0.8	7
138	Relativistic Many-Body Calculations of Transition Probabilities for the 2l12l2[LS]-2l32l4[L'S'J] Lines in Be-like Ions. <i>Physica Scripta</i> , 1999, 59, 286-295.	1.2	61
139	Ab initio calculations of off-diagonal hyperfine interaction in cesium. <i>Physical Review A</i> , 1999, 60, R1741-R1742.	1.0	9
140	Relativistic many-body calculations of energy levels, hyperfine constants, electric-dipole matrix elements, and static polarizabilities for alkali-metal atoms. <i>Physical Review A</i> , 1999, 60, 4476-4487.	1.0	278
141	High-Precision Calculations of Dispersion Coefficients, Static Dipole Polarizabilities, and Atom-Wall Interaction Constants for Alkali-Metal Atoms. <i>Physical Review Letters</i> , 1999, 82, 3589-3592.	2.9	318
142	Relativistic Z-dependent Corrections for Li- and Be-like Ions. <i>Physica Scripta</i> , 1998, 58, 348-362.	1.2	7
143	Relativistic many-body calculations of energy levels, hyperfine constants, and transition rates for sodiumlike ions, Z=11 $\hat{a}^1$ 16. <i>Physical Review A</i> , 1998, 58, 1016-1028.	1.0	85
144	Relativistic many-body calculations of energies of n= 3 states of Be-like ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, 2375-2393.	0.6	39

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145	Relativistic many-body calculations of energies of Mg I, Al II, Al I, Hg I, Tl II, Tl I, Pb I, Bi II and Bi I. Physica Scripta, 1997, 56, 252-263.	1.2	12
146	Relativistic many-body calculations of the energies of $n=2$ states for the berylliumlike isoelectronic sequence. Physical Review A, 1996, 53, 4036-4053.	1.0	176
147	Relativistic many-body calculations of energies of $n=2$ states for boronlike ions. Physical Review A, 1996, 54, 2850-2862.	1.0	74
148	Cross sections and rate coefficients for inner-shell excitation of Li-like ions with $6 < Z < 42$ . Physica Scripta, 1996, 54, 68-84.	1.2	9
149	Correlation effects for $1s23l3l'$ and $1s23l4l'$ states. Physica Scripta, 1996, 53, 689-699.	1.2	8
150	Inner-Shell transitions of Be-like ions with $Z=6-54$ . Physica Scripta, 1995, 51, 589-593.	1.2	13
151	Dielectronic satellite spectra of the $1s3p-1s2l$ lines for highly-charged ions with $Z=6-54$ ( $1s2l3l'-1s2l$ transitions). Physica Scripta, 1995, 51, 471-483.	1.2	20
152	Relative intensity of dielectronic satellite spectra for highly charged He-like ions ( $1s2l^m n l - 1s2n^m l', n, l$ ). Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.6	17
153	Correlation, relativistic and radiative effects for the energy levels of $1s22s22p5nl$ , $1s22s2p5nl(n=)$ Tj ETQq1 1 0.784314 rgBT/Overlock	1.2	19
154	Relativistic perturbation theory calculation of two-electron doubly excited states. Physica Scripta, 1994, 50, 29-44.	1.2	8
155	Z-dependences of atomic parameters of autoionization states of two-electron systems. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika), 1990, 33, 670-684.	0.0	1