

# Ilya I Tupitsyn

## List of Publications by Year in descending order

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215  
papers

4,591  
citations

101543

36  
h-index

138484

58  
g-index

216  
all docs

216  
docs citations

216  
times ranked

1723  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple-ionization energy difference of Ho163 and Dy163 atoms. Physical Review A, 2022, 105, .	2.5	1
2	Single and double $K$ -shell vacancy production in slow $Xe$ ions. Physical Review A, 2022, 105, .	2.5	5
3	Laser spectroscopy of the $y$ states of Cr i. Physical Review A, 2022, 105, .	2.5	4
4	Combination of perturbation theory with the configuration-interaction method. Physical Review A, 2022, 105, .	2.5	4
5	Ionization potentials and electron affinities of Rg, Cn, Nh, and Fl superheavy elements. Physical Review A, 2022, 105, .	2.5	11
6	Model-QED operator for superheavy elements. Physical Review A, 2022, 106, .	2.5	13
7	Ab initio electronic factors of the A and B hyperfine structure constants for the $5s25p6sP1o1,3$ states in Sn i. Physical Review A, 2021, 103, .	2.5	5
8	Ab initio Calculations of Energy Levels in Be-Like Xenon: Strong Interference between Electron-Correlation and QED Effects. Physical Review Letters, 2021, 126, 183001.	7.8	12
9	Electron affinity of oganesson. Physical Review A, 2021, 104, .	2.5	15
10	Binding Energy of the Ground State of Beryllium-Like Molybdenum: Correlation and Quantum-Electrodynamic Effects. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2021, 129, 1038-1044.	0.6	1
11	Relativistic Calculations of the Chemical Properties of the Superheavy Element with $Z = 119$ and Its Homologues. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2021, 129, 1038-1044.	0.6	1
12	Optical clocks based on the $Cf$ ions. Physical Review A, 2020, 102, .	2.5	17
13	Quantum interference of K capture in energetic $Ge31+(1s) \hat{\sim} Kr$ collisions. Physical Review A, 2020, 101, .	2.5	1
14	How to access QED at a supercritical Coulomb field. Physical Review D, 2020, 102, .	4.7	19
15	Isotope Shifts of Energy Levels in Helium-Like Highly Charged Ions. Optics and Spectroscopy (English) Tj ETQq1 1 0,784314 rgBT /Overclock 10 1 50 377 Tj	0,6	1
16	Calculations of Electron Loss to Continuum in Collisions of Li- and Be-Like Uranium Ions with Nitrogen Targets. Atoms, 2020, 8, 89.	1.6	1
17	Relativistic Calculation of the Nuclear Recoil Effect on the $g$ Factor of the $2P_{3/2}$ State in Highly Charged B-like Ions. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2020, 128, 297-306.	0.6	3
18	Complex Rotated Relativistic Configuration-Interaction Calculations of $1s2l2l \hat{\sim} O5+$ States in $O5+$ Ion. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2020, 128, 307-314.	0.6	7

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19	QED corrections to the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:m} \rangle / \rangle \langle \text{mml:mprescripts} \rangle / \rangle \langle \text{mml:none} \rangle / \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mo} \rangle \hat{=} \langle \text{mml:mo} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:m} \rangle / \rangle \langle \text{mml:mprescripts} \rangle / \rangle \langle \text{mml:none} \rangle / \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:} \rangle$	2.5	18
20	QED corrections to the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ factor of Li- and B-like ions. Physical Review A, 2020, 101, .	2.5	12
21	Interelectronic-interaction contribution to the nuclear recoil effect on the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ factor of boronlike ions. Physical Review A, 2020, 101, .	2.5	5
22	Accurate Prediction of Clock Transitions in a Highly Charged Ion with Complex Electronic Structure. Physical Review Letters, 2020, 124, 163001.	7.8	25
23	Calculations of Relativistic, Correlation, Nuclear, and Quantum-Electrodynamics Corrections to Energy and Ionization Potential of the Ground State of Helium-Like Ions. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2020, 128, 21-31.	0.6	4
24	Isotope shifts of the $1s^2 2s 2p(j) - 1s^2 2s^2$ transition energies in Be-like thorium and uranium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 185001.	1.5	4
25	Mixed Basis Sets for Atomic Calculations. Atoms, 2019, 7, 92.	1.6	6
26	Soft X-ray Li-K and Si-L2, 3 Emission from Crystalline and Amorphous Lithium Silicides in Lithium-Ion Batteries Anode. Journal of the Electrochemical Society, 2019, 166, A5362-A5368.	2.9	3
27	Differential cross sections for ionization of atomic hydrogen by antiprotons. Hyperfine Interactions, 2019, 240, 1.	0.5	2
28	Doubly differential cross sections for ionization of lithium atom by protons and O8+ ions. European Physical Journal D, 2019, 73, 1.	1.3	3
29	Relativistic calculations of the ground and inner- $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle L \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -shell excited energy levels of berylliumlike ions. Physical Review A, 2019, 99, .	2.5	18
30	Complex-scaled relativistic configuration-interaction study of the LL resonances in heliumlike ions: From boron to argon. Physical Review A, 2019, 100, .	2.5	16
31	QED calculation of electron-electron correlation effects in heliumlike ions. Physical Review A, 2019, 100, .	2.5	14
32	QED calculations of the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle n \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:m} \rangle / \rangle \langle \text{mml:mprescripts} \rangle / \rangle \langle \text{mml:none} \rangle / \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:m} \rangle / \rangle \langle \text{mml:mprescripts} \rangle / \rangle \langle \text{mml:none} \rangle / \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mo} \rangle \hat{=} \langle \text{mml:mo} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:m} \rangle / \rangle \langle \text{mml:mprescripts} \rangle / \rangle \langle \text{mml:none} \rangle / \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:} \rangle$ x-ray transition energies in middle- $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle Z \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ heliumlike ions.	2.5	18
33	Study of the valence electronic density distribution in Z=112-120 atoms. , 2019, , .		3
34	Supercell-zone folding transformation for bulk crystals and nanotubes. Theoretical Chemistry Accounts, 2018, 137, 1.	1.4	6
35	Lithiation Products of a Silicon Anode Based on Soft X-ray Emission Spectroscopy: A Theoretical Study. Journal of Physical Chemistry C, 2018, 122, 11096-11108.	3.1	8
36	The nuclear magnetic moment of 208Bi and its relevance for a test of bound-state strong-field QED. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 324-330.	4.1	22

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37	QEDMOD: Fortran program for calculating the model Lamb-shift operator. Computer Physics Communications, 2018, 223, 69.	7.5	38
38	Stringent tests of QED using highly charged ions. Hyperfine Interactions, 2018, 239, 1.	0.5	22
39	Relativistic nuclear-recoil effect on the $g$ factor of highly charged boronlike ions. Physical Review A, 2018, 98, .	2.5	9
40	Nuclear recoil effect on the $g$ factor of highly charged Li-like ions. Physical Review A, 2018, 98, .	2.5	15
41	One-center calculations of the electron-positron pair creation in low-energy collisions of heavy bare nuclei. European Physical Journal D, 2018, 72, 1.	1.3	11
42	Nuclear Recoil Effect on the $g$ Factor of Middle-Z Boronlike Ions. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	12
43	Relativistic calculations of x-ray transition energies and isotope shifts in heavy atoms. Physical Review A, 2018, 98, .	2.5	14
44	Binding energies of the $1s2s2p$ states in boronlike argon. Nuclear Instruments & Methods in Physics Research B, 2017, 408, 103-106.	1.4	7
45	Pair production in low-energy collisions of uranium nuclei beyond the monopole approximation. Nuclear Instruments & Methods in Physics Research B, 2017, 408, 97-99.	1.4	10
46	Higher-order perturbative relativistic calculations for few-electron atoms and ions. Nuclear Instruments & Methods in Physics Research B, 2017, 408, 46-49.	1.4	19
47	Model operator approach to the relativistic Lamb shift calculations in many-electron atoms and highly charged molecular ions. Nuclear Instruments & Methods in Physics Research B, 2017, 408, 76-79.	1.4	4
48	Intensities of K -X-ray satellite and hypersatellite target radiation in Bi $83+$ -Xe @70 MeV/u collisions. Nuclear Instruments & Methods in Physics Research B, 2017, 408, 31-33.	1.4	1
49	Relativistic coupled-channel calculations of differential ionization cross sections. Journal of Physics: Conference Series, 2017, 875, 092020.	0.4	0
50	Electron-positron pair creation in collisions of heavy bare nuclei: One-center approach. Journal of Physics: Conference Series, 2017, 875, 092023.	0.4	0
51	Relativistic calculations of differential ionization cross sections: Application to antiproton-hydrogen collisions. Physical Review A, 2017, 95, .	2.5	7
52	Ground-state ionization energies of boronlike ions. Physical Review A, 2017, 96, .	2.5	25
53	Recoil Effect on the $g$ Factor of Li-Like Ions. Physical Review Letters, 2017, 119, 263001.	7.8	30
54	Nuclear Recoil Effect on the $g$ -Factor of Heavy Ions: Prospects for Tests of Quantum Electrodynamics in a New Region. JETP Letters, 2017, 106, 765-770.	1.4	19

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55	Pair creation in low-energy collisions of heavy nuclei beyond the monopole approximation. Journal of Physics: Conference Series, 2017, 875, 092024.	0.4	0
56	Quantum Electrodynamical Shifts in Multivalent Heavy Ions. Physical Review Letters, 2016, 117, 253001.	7.8	38
57	Effective three-particle forces in polyvalent atoms. Physical Review A, 2016, 94, .	2.5	5
58	Weighted difference of $g$ factors of light Li-like and H-like ions for an improved determination of the fine-structure constant. Physical Review A, 2016, 94, .	2.5	19
59	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, .	2.5	16
60	Isotope shifts of the $2p$ transitions in B-like ions. Physical Review A, 2016, 93, .	2.5	16
61	$g$ Factor of Light Ions for an Improved Determination of the Fine-Structure Constant. Physical Review Letters, 2016, 116, 100801.	7.8	49
62	Ionization energies along beryllium isoelectronic sequence. Physical Review A, 2015, 92, .	2.5	24
63	Non-perturbative relativistic calculations of the $K$ -shell-vacancy production in Xe-Xe <sup>54+</sup> collisions. Journal of Physics: Conference Series, 2015, 599, 012037.	0.4	3
64	Electron-positron pair production in low-energy heavy-ion collisions. Journal of Physics: Conference Series, 2015, 635, 022030.	0.4	0
65	Nuclear recoil correction to the $g$ factor of boron-like argon. Journal of Physics: Conference Series, 2015, 583, 012001.	0.4	17
66	Contribution of higher multipole terms of Coulomb interaction to ionization in low-energy heavy-ion collisions. Journal of Physics: Conference Series, 2015, 635, 022094.	0.4	2
67	CI-MBPT: A package of programs for relativistic atomic calculations based on a method combining configuration interaction and many-body perturbation theory. Computer Physics Communications, 2015, 195, 199-213.	7.5	68
68	Application of the embedding potential method in calculations of the electronic structure and X-ray emission spectra of crystal MgO clusters. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya) 2015, 10, 10-13.	7.5	68
69	Time-depending screening effects in relativistic calculations of electronic quantum dynamics in ion-atom collisions. Journal of Physics: Conference Series, 2015, 635, 022078.	0.4	0
70	Relativistic calculations of the ground state energies and the critical distances for one-electron homonuclear quasi-molecules. Chemical Physics, 2015, 449, 10-13.	1.9	12
71	QEDMOD: Fortran program for calculating the model Lamb-shift operator. Computer Physics Communications, 2015, 189, 175-181.	7.5	80
72	Michelson-Morley analogue for electrons using trapped ions to test Lorentz symmetry. Nature, 2015, 517, 592-595.	27.8	86

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73	Electron-positron pair creation in low-energy collisions of heavy bare nuclei. <i>Physical Review A</i> , 2015, 91, .	2.5	25
74	Positron creation probabilities in low-energy heavy-ion collisions. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	9
75	QED calculation of the ground-state energy of berylliumlike ions. <i>Physical Review A</i> , 2014, 90, .	2.5	42
76	Relativistic calculations of the isotope shifts in highly charged Li-like ions. <i>Physical Review A</i> , 2014, 90, .	2.5	25
77	Relativistic calculations of x-ray emission following a Xe-Bi83+collision. <i>Physical Review A</i> , 2014, 90, .	2.5	13
78	Relativistic calculations of ground states of single-electron diatomic molecular ions. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2014, 117, 351-357.	0.6	11
79	Calculation of the X-Ray emission K and L 2,3 bands of metallic magnesium and aluminum with allowance for multielectron effects. <i>Journal of Experimental and Theoretical Physics</i> , 2014, 118, 11-17.	0.9	2
80	Influence of relativistic effects on electron-loss cross sections of heavy and superheavy ions colliding with neutral atoms. <i>Journal of Experimental and Theoretical Physics</i> , 2014, 119, 1-7.	0.9	26
81	Many-Electron QED Corrections to the g-factor of Lithiumlike Ions. <i>Physical Review Letters</i> , 2014, 112, 253004.	7.8	53
82	On the keV sterile neutrino search in electron capture. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014, 41, 095004.	3.6	14
83	Model operator approach to the Lamb shift calculations in relativistic many-electron atoms. <i>Physical Review A</i> , 2013, 88, .	2.5	133
84	A single-particle nonlocal potential for taking into account quantum-electrodynamic corrections in calculations of the electronic structure of atoms. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2014, 117, 351-357.	0.6	11
85	Relativistic calculations of the nuclear recoil effect in highly charged Li-like ions. <i>Physica Scripta</i> , 2013, T156, 014019.	2.5	1
86	Ab initio calculations of the $2p$ splitting in boronlike ions. <i>Physical Review A</i> , 2013, 88, .	2.5	42
87	Relativistic calculations of the $U91+(1s) \rightarrow U92+$ collision using the finite basis set of cubic Hermite splines on a lattice in coordinate space. <i>European Physical Journal D</i> , 2013, 67, 1.	1.3	3
88	Ionization probabilities in low-energy heavy-ion collisions. <i>Physica Scripta</i> , 2013, T156, 014054.	2.5	5
89	Mass-Spectrometric Monitoring of Anesthesia Adequacy. <i>Bulletin of Experimental Biology and Medicine</i> , 2013, 155, 814-816.	0.8	0
90	Specific many-electron effects in X-ray spectra of simple metals and graphene. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6749.	2.8	6

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91	Relativistic calculations of inner-shell atomic processes in low-energy ion-atom collisions. Physica Scripta, 2013, T156, 014053.	2.5	6
92	Half-life measurements of highly charged radionuclides. Physica Scripta, 2013, T156, 014026.	2.5	6
93	Relativistic calculations of charge transfer probabilities in $U^{92+}$ - $U^{91+}(1s)$ collisions using the basis set of cubic Hermite splines. Physica Scripta, 2013, T156, 014056.	2.5	4
94	Probing many-electron QED effects in the presence of magnetic fields. Physica Scripta, 2013, T156, 014017.	2.5	1
95	$g$ factor of boron-like ions: ground and excited states. Physica Scripta, 2013, T156, 014014.	2.5	24
96	Relativistic calculations of the K-charge transfer and K-vacancy production probabilities in low-energy ion-atom collisions. Physical Review A, 2012, 85, .	2.5	25
97	Test of Many-Electron QED Effects in the Hyperfine Splitting of Heavy High- $Z$ Ions. Physical Review Letters, 2012, 108, 073001.	7.8	62
98	Breit interaction in dielectronic recombination of H-like uranium. Journal of Physics: Conference Series, 2012, 388, 062034.	0.4	0
99	Double- $I^2$ transformations in isobaric triplets with mass numbers $A$ and $A+2$ . Physical Review C, 2012, 86, .	2.9	33
100	Half-life measurements of stored fully ionized and hydrogen-like $^{122}\text{I}$ ions. European Physical Journal A, 2012, 48, 1.	2.5	27
101	Qvalue and half-life of double-electron capture in $^{184}\text{Os}$ . Physical Review C, 2012, 86, .	2.9	16
102	Probing the nuclide $^{180}\text{W}$ for neutrinoless double-electron capture exploration. Nuclear Physics A, 2012, 875, 1-7.	1.5	27
103	Relativistic calculations of electronic excitation probabilities in $U^{92+}$ - $U^{91+}(1s)$ collisions in the monopole approximation. Russian Journal of Physical Chemistry B, 2012, 6, 224-228.	1.3	4
104	The coulomb glory effect in collisions of antiprotons with heavy ions. Russian Journal of Physical Chemistry B, 2012, 6, 218-223.	1.3	0
105	Electron Spectroscopy In Heavy-Ion Storage Rings: Resonant and Non-Resonant Electron Transfer Processes. , 2011, , .		4
106	Octupolar-Excitation Penning-Trap Mass Spectrometry for $Q$ -Value Measurement of Double-Electron Capture in $^{164}\text{Er}$ . Physical Review Letters, 2011, 107, 152501.	7.8	57
107	Breit interaction in dielectronic recombination of hydrogenlike uranium. Physical Review A, 2011, 83, .	2.5	61
108	Resonant Enhancement of Neutrinoless Double-Electron Capture in $^{152}\text{Gd}$ . Physical Review Letters, 2011, 106, 052504.	7.8	85

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109	Study of mechanisms of formation of X-ray emission bands in crystals by the density functional method: The Mg L 2,3 bands in metal and in MgO. Optics and Spectroscopy (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	11
110	Tests of fundamental theories with heavy ions at low-energy regime. Hyperfine Interactions, 2011, 199, 71-83.	0.5	11
111	Quantum Electrodynamics Effects in Heavy Ions and Atoms. , 2011, , .		5
112	Multiple-resonance phenomenon in neutrinoless double-electron capture. Physical Review C, 2011, 84, .	2.9	44
113	Tests of fundamental theories with heavy ions at low-energy regime. , 2011, , 71-83.		0
114	Ionization of ytterbium atoms from an excited state. Journal of Experimental and Theoretical Physics, 2010, 110, 909-917.	0.9	0
115	Precision calculation of the low-lying excited states of the Rf atom. Radiochemistry, 2010, 52, 394-398.	0.7	6
116	Evaluation of the screened QED corrections to the $g$ factor and the hyperfine splitting of lithiumlike ions. Physical Review A, 2010, 81, .	2.5	40
117	Resonant recombination at ion storage rings: a conceptual alternative for isotope shift and hyperfine studies. Hyperfine Interactions, 2010, 196, 115-127.	0.5	35
118	Calculations of total ionization cross sections of Ne, Ar, Kr, and Xe atoms in the born approximation allowing for electron perturbations in the continuous spectrum. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	11
119	Relativistic calculations of the charge-transfer probabilities and cross sections for low-energy collisions of H-like ions with bare nuclei. Physical Review A, 2010, 82, .	2.5	50
120	Relativistic recoil, electron-correlation, and QED effects on the $2s$ transition energies in Li-like ions. Physical Review A, 2010, 81, .	2.5	78
121	Resonant recombination at ion storage rings: a conceptual alternative for isotope shift and hyperfine studies. , 2010, , 115-127.		0
122	Intershell dielectronic recombination with $K$ -shell excitation in $Kr$ . Physical Review A, 2009, 80, .	2.5	25
123	Coefficients for sensitivity of fine-structure transitions in carbonlike ions to $I \pm 1$ variation. Physical Review A, 2009, 79, .	2.5	4
124	Screened QED Corrections in Lithiumlike Heavy Ions in the Presence of Magnetic Fields. Physical Review Letters, 2009, 103, 033005.	7.8	40
125	Reconstruction of all-electron orbitals from one-electron pseudowave functions and calculations of the intensities of Si X-ray emission spectra of Si, $\beta$ -SiC, stishovite, and $\beta$ -cristobalite crystals. Physics of the Solid State, 2009, 51, 255-263.	0.6	1
126	Isotope shifts in dielectronic recombination: From stable to in-flight-produced nuclei. Journal of Physics: Conference Series, 2009, 194, 012023.	0.4	26



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127	Radiative and interelectronic-interaction corrections to the hyperfine splitting in highly charged B-like ions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 675-680.	2.1	17
128	Calculation by plane wave Born approximations of electron-impact ionization of silver and copper. <i>European Physical Journal D</i> , 2008, 48, 67-74.	1.3	1
129	Nuclear recoil effect on the magnetic-dipole decay rates of atomic levels. <i>European Physical Journal D</i> , 2008, 48, 167-170.	1.3	10
130	Quantum electrodynamic corrections for valence electrons in Eka-Hg. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2008, 104, 662-670.	0.6	2
131	Reconstruction of all-electron wave functions from pseudo-single-electron orbitals and calculations of the probabilities of X-ray transitions. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2008, 104, 662-670.	0.6	2
132	Spurious states of the dirac equation in a finite basis set. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2008, 104, 662-670.	0.6	2
133	Nuclear deformation effect on the binding energies in heavy ions. <i>Physical Review A</i> , 2008, 77, .	2.5	85
134	Isotope Shift in the Dielectronic Recombination of Three-Electron Ions. <i>Physical Review Letters</i> , 2008, 100, 073201.	7.8	102
135	Ground-state hyperfine structure of H-, Li-, and B-like ions in the intermediate- $Z$ region. <i>Physical Review A</i> , 2008, 78, .	2.5	46
136	Calculations of electron angular distribution in resonant Auger decay for Na, Ba, Hg, Kr. <i>Physica Scripta</i> , 2008, 77, 059801-059801.	2.5	2
137	Calculation by plane wave Born approximation of the electron-impact ionization of Ne, Ar, Kr and Xe. <i>Physica Scripta</i> , 2007, 76, 706-713.	2.5	1
138	Photoionization and electron-impact ionization of Yb atoms from an excited aligned state. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 1991-2002.	1.5	2
139	QED calculation of the $2p^2 \rightarrow 2p1/2$ transition energy in boronlike argon. <i>Physical Review A</i> , 2007, 76, .	2.5	24
140	QED Calculation of the $2p^3/2 \rightarrow 2p1/2$ Transition Energy in Boronlike Argon. <i>Physical Review Letters</i> , 2007, 98, .	7.8	67
141	Transition frequency shifts with fine-structure-constant variation for Fe II: Breit and core-valence correlation corrections. <i>Physical Review A</i> , 2007, 76, .	2.5	34
142	Backward scattering of low-energy antiprotons by highly charged and neutral uranium: Coulomb glory. <i>Physical Review A</i> , 2007, 76, .	2.5	8
143	Correlation and quantum electrodynamic effects on the radiative lifetime and relativistic nuclear recoil in $Ar^{13+}$ and $Ar^{14+}$ ions. <i>Journal of Physics: Conference Series</i> , 2007, 58, 133-136.	0.4	2
144	fully relativistic calculations of x-ray spectra of highly charged ions. <i>Physical Review A</i> , 2007, 76, .	2.5	15

#	ARTICLE	IF	CITATIONS
145	Zeeman splitting and g factor of the $1s2s2p^3\ ^2P^{\circ}_{3/2}$ and $1s2s2p^3\ ^2P^{\circ}_{1/2}$ levels in Ar <sup>13+</sup> . Physical Review A, 2007, 76, .	2.5	31
146	Hyperfine structure of lithium-like scandium. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2006, 100, 361-366.	0.6	12
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148	Exploring Relativistic Many-Body Recoil Effects in Highly Charged Ions. Physical Review Letters, 2006, 97, 103002.	7.8	62
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