

Vladimir A Dzuba

List of Publications by Year in descending order

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210
papers

8,664
citations

38742

50
h-index

58581

82
g-index

214
all docs

214
docs citations

214
times ranked

3078
citing authors

#	ARTICLE	IF	CITATIONS
1	Further Evidence for Cosmological Evolution of the Fine Structure Constant. <i>Physical Review Letters</i> , 2001, 87, 091301.	7.8	663
2	Possible evidence for a variable fine-structure constant from QSO absorption lines: motivations, analysis and results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 327, 1208-1222.	4.4	290
3	Combination of the many-body perturbation theory with the configuration-interaction method. <i>Physical Review A</i> , 1996, 54, 3948-3959.	2.5	287
4	Space-Time Variation of Physical Constants and Relativistic Corrections in Atoms. <i>Physical Review Letters</i> , 1999, 82, 888-891.	7.8	258
5	Calculations of the relativistic effects in many-electron atoms and space-time variation of fundamental constants. <i>Physical Review A</i> , 1999, 59, 230-237.	2.5	241
6	Single-Ion Nuclear Clock for Metrology at the 19th Decimal Place. <i>Physical Review Letters</i> , 2012, 108, 120802.	7.8	231
7	Correlation potential method for the calculation of energy levels, hyperfine structure and E1 transition amplitudes in atoms with one unpaired electron. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987, 20, 1399-1412.	1.6	149
8	Enhanced Laboratory Sensitivity to Variation of the Fine-Structure Constant using Highly Charged Ions. <i>Physical Review Letters</i> , 2010, 105, 120801.	7.8	142
9	Revisiting Parity Nonconservation in Cesium. <i>Physical Review Letters</i> , 2012, 109, 203003.	7.8	141
10	High-precision calculation of parity nonconservation in cesium and test of the standard model. <i>Physical Review D</i> , 2002, 66, .	4.7	121
11	Electric dipole moments of Hg, Xe, Rn, Ra, Pu, and Tl induced by the nuclear Schiff moment and limits on time-reversal violating interactions. <i>Physical Review A</i> , 2002, 66, .	2.5	121
12	Calculations of parity-nonconserving amplitudes in Cs, Fr, Ba ⁺ , and Ra ⁺ . <i>Physical Review A</i> , 2001, 63, .	2.5	118
13	Highly Charged Ions as a Basis of Optical Atomic Clockwork of Exceptional Accuracy. <i>Physical Review Letters</i> , 2012, 109, 180801.	7.8	102
14	Calculation of energy levels, E1 transition amplitudes, and parity violation in francium. <i>Physical Review A</i> , 1995, 51, 3454-3461.	2.5	101
15	Electron-Hole Transitions in Multiply Charged Ions for Precision Laser Spectroscopy and Searching for Variations in α . <i>Physical Review Letters</i> , 2011, 106, 210802.	7.8	101
16	Many-body calculations of positron scattering and annihilation from noble-gas atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 3151-3175.	1.5	98
17	Relativistic many-body calculations of the hyperfine-structure intervals in caesium and francium atoms. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1984, 17, 1953-1968.	1.6	96
18	Enhancement of P- and T-nonconserving effects in rare-earth atoms. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1986, 1, 243-245.	1.0	93

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19	Calculation of parity non-conservation in thallium. Journal of Physics B: Atomic and Molecular Physics, 1987, 20, 3297-3311.	1.6	93
20	Highly Charged Ions for Atomic Clocks, Quantum Information, and Search for α variation. Physical Review Letters, 2014, 113, 030801.	7.8	93
21	Sensitivity of Splitting between Ground and 7.6 eV Isomeric States in ^{229}Th . Physical Review Letters, 2009, 102, 210801.	7.8	91
22	Relativistic effects in two valence-electron atoms and ions and the search for variation of the fine-structure constant. Physical Review A, 2004, 70, .	2.5	89
23	Dynamic polarizabilities and related properties of clock states of the ytterbium atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 074011.	1.5	88
24	Limits on Violations of Lorentz Symmetry and the Einstein Equivalence Principle using Radio-Frequency Spectroscopy of Atomic Dysprosium. Physical Review Letters, 2013, 111, 050401.	7.8	85
25	Relativistic effects in Sr, Dy, Yb II, and Yb III and search for variation of the fine-structure constant. Physical Review A, 2003, 68, .	2.5	82
26	Search for variation of the fundamental constants in atomic, molecular, and nuclear spectra. Canadian Journal of Physics, 2009, 87, 25-33.	1.1	79
27	electric dipole moments for the diamagnetic atoms ^{129}Xe and ^{171}Yb . Physical Review A, 2009, 80, .	2.5	73
28	Atomic optical clocks and search for variation of the fine-structure constant. Physical Review A, 2000, 61, .	2.5	72
29	Relativistic corrections to transition frequencies of ^{129}Xe and ^{171}Yb . Physical Review A, 2009, 80, .	2.5	72
30	Relativistic many-body calculations in atoms and parity violation in caesium. Journal of Physics B: Atomic and Molecular Physics, 1985, 18, 597-613.	1.6	69
31	N^{∞} approximation for atomic calculations. Physical Review A, 2005, 71, .	2.5	68
32	Identification of the Predicted ^{229}Th Crossing Optical Lines with Applications to Metrology and Searches for the Variation of Fundamental Constants. Physical Review Letters, 2015, 114, 150801.	7.8	67
33	Breit correction to the parity-nonconservation amplitude in cesium. Physical Review A, 2001, 63, .	2.5	66
34	α dependence of transition frequencies for ions Si II, Cr II, Fe II, Ni II, and Zn II. Physical Review A, 2002, 66, .	2.5	65
35	Bound states of positrons and neutral atoms. Physical Review A, 1995, 52, 4541-4546.	2.5	64
36	Probing Sizes and Shapes of Nobelium Isotopes by Laser Spectroscopy. Physical Review Letters, 2018, 120, 232503.	7.8	63

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37	ac Stark shift of the Cs microwave atomic clock transitions. Physical Review A, 2009, 79, .	2.5	62
38	Using effective operators in calculating the hyperfine structure of atoms. Journal of Experimental and Theoretical Physics, 1998, 87, 885-890.	0.9	61
39	Isotope-shift calculations for atoms with one valence electron. Physical Review A, 2003, 68, .	2.5	60
40	Frequency Shift of the Cesium Clock Transition due to Blackbody Radiation. Physical Review Letters, 2006, 97, 040802.	7.8	59
41	Strongly enhanced effects of Lorentz symmetry violation in entangled Yb+ ions. Nature Physics, 2016, 12, 465-468.	16.7	59
42	Highly charged ions with E , M , and E^2 transitions within laser range. Physical Review A, 2010, 82, .	2.5	58
43	Axio-electric effect. Physical Review D, 2010, 82, .	4.7	57
44	Relations between matrix elements of different weak interactions and interpretation of the parity-nonconserving and electron electric-dipole-moment measurements in atoms and molecules. Physical Review A, 2011, 84, .	2.5	57
45	Parity-Mediated P -Violating Interactions between Electrons and Nucleons from Electric Dipole Moments of Atoms and Molecules. Physical Review Letters, 2008, 101, 220801.	7.8	56
46	Limiting P -Odd Interactions of Cosmic Fields with Electrons, Protons, and Neutrons. Physical Review Letters, 2014, 113, 081601.	7.8	55
47	Calculation of parity and time invariance violation in the radium atom. Physical Review A, 2000, 61, .	2.5	54
48	Frequency shift of hyperfine transitions due to blackbody radiation. Physical Review A, 2006, 74, .	2.5	53
49	Magic Frequencies for Cesium Primary-Frequency Standard. Physical Review Letters, 2008, 101, 220801.	7.8	53
50	Combining configuration interaction with perturbation theory for atoms with a large number of valence electrons. Physical Review A, 2017, 95, .	2.5	53
51	Interaction between slow positrons and atoms. Physica Scripta, 1993, T46, 248-251.	2.5	49
52	Breit interaction and parity nonconservation in many-electron atoms. Physical Review A, 2006, 73, .	2.5	49
53	Calculation of isotope shifts for cesium and francium. Physical Review A, 2005, 72, .	2.5	48
54	Atomic properties of superheavy elements No, Lr, and Rf. Physical Review A, 2014, 90, .	2.5	48

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55	Calculation of the energy levels of barium using Bsplines and a combined configuration-interaction and many-body-perturbation-theory method. Physical Review A, 1998, 57, 2459-2465.	2.5	47
56	Optical Transitions in Highly Charged Californium Ions with High Sensitivity to Variation of the Fine-Structure Constant. Physical Review Letters, 2012, 109, 070802.	7.8	47
57	Testing physics beyond the standard model through additional clock transitions in neutral ytterbium. Physical Review A, 2018, 98, .	2.5	46
58	Relativistic many-body calculations of energy levels and of fine-structure intervals in the caesium atom. Journal of Physics B: Atomic and Molecular Physics, 1983, 16, 715-722.	1.6	45
59	Space-time variation of the fine-structure constant and evolution of isotope abundances. Physical Review A, 2004, 70, .	2.5	45
60	Highly charged Ag-like and In-like ions for the development of atomic clocks and the search for α variation. Physical Review A, 2014, 90, .	2.5	44
61	Fine structure of negative ions of alkaline-earth-metal atoms. Physical Review A, 1991, 44, 2823-2827.	2.5	42
62	High-precision atomic clocks with highly charged ions: Nuclear-spin-zero f_{12} -shell ions. Physical Review A, 2012, 86, .	2.5	42
63	Off-diagonal hyperfine interaction and parity nonconservation in cesium. Physical Review A, 2000, 62, .	2.5	41
64	Calculations of energy levels and lifetimes of low-lying states of barium and radium. Physical Review A, 2006, 73, .	2.5	41
65	Calculation of the positron bound state with the copper atom. Physical Review A, 1999, 60, 3641-3647.	2.5	40
66	Optical clock sensitive to variations of the fine-structure constant based on the ^{140}Ho . Physical Review A, 2015, 91, .	2.5	40
67	Relativistic corrections to transition frequencies of Fe ϵ and search for variation of the fine-structure constant. Physical Review A, 2008, 77, .	2.5	39
68	Calculation of the (T,P)-odd electric dipole moment of thallium and cesium. Physical Review A, 2009, 80, .	2.5	39
69	Quantum Electrodynamical Shifts in Multivalent Heavy Ions. Physical Review Letters, 2016, 117, 253001.	7.8	38
70	Sensitivity of hyperfine structure to nuclear radius and quark mass variation. Physical Review A, 2009, 79, .	2.5	36
71	New Methods for Testing Lorentz Invariance with Atomic Systems. Physical Review Letters, 2018, 120, 103202.	7.8	36
72	Detecting Positron-Atom Bound States through Resonant Annihilation. Physical Review Letters, 2010, 105, 203401.	7.8	35

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73	PARITY VIOLATION AND ELECTRIC DIPOLE MOMENTS IN ATOMS AND MOLECULES. International Journal of Modern Physics E, 2012, 21, 1230010. Ion clock and search for the variation of the fine-structure constant using optical transitions in Nd	1.0	35
74	Sm and search for the variation of the fine-structure constant using optical transitions in Nd $\supset 13$ and $\supset 15$	2.5	35
75	Relativistic study of nuclear-anapole-moment effects in diatomic molecules. Physical Review A, 2013, 88, .	2.5	34
76	Core-valence correlations for atoms with open shells. Physical Review A, 2007, 75, .	2.5	33
77	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. Physical Review A, 2014, 90, .	2.5	33
78	Enhancement factor for the electron electric dipole moment in francium and gold atoms. Physical Review A, 1999, 59, 3082-3083.	2.5	32
79	Polarizabilities and parity nonconservation in the Cs atom and limits on the deviation from the standard electroweak model. Physical Review A, 1997, 56, R4357-R4360.	2.5	31
80	Quantum electrodynamics corrections to energies, transition amplitudes, and parity nonconservation in Rb, Cs, Ba, Tl, Fr, and Ra	2.5	31
81	Independence of transition frequencies for some ions of Ti, Mn, Na, C, and O and the search for variation of the fine-structure constant. Physical Review A, 2004, 70, .	2.5	30
82	Calculations of the spectra of superheavy elements $Z < 119$ and $Z < 120$	2.5	30
83	Mapping Out Atom-Wall Interaction with Atomic Clocks. Physical Review Letters, 2009, 103, 133201.	7.8	30
84	Probing Low-Mass Vector Bosons with Parity Nonconservation and Nuclear Anapole Moment Measurements in Atoms and Molecules. Physical Review Letters, 2017, 119, 223201.	7.8	30
85	Isotope shift and search for metastable superheavy elements in astrophysical data. Physical Review A, 2017, 95, .	2.5	30
86	Atomic electric dipole moments of He and Yb induced by nuclear Schiff moments. Physical Review A, 2007, 76, .	2.5	29
87	Calculation of nuclear-spin-dependent parity nonconservation in $s \rightarrow d$ transitions of Ba ⁺ , Yb ⁺ , and Ra ⁺ ions. Physical Review A, 2011, 83, .	2.5	29
88	Electric dipole moments of atoms and molecules produced by enhanced nuclear Schiff moments. Physical Review A, 2020, 101, .	2.5	29
89	Calculation of positron binding to silver and gold atoms. Physical Review A, 2000, 62, .	2.5	28
90	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.	1.5	28

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109	Spectra of barium, radium, and element 120: Application of the combined correlation-potential, singles-doubles, and configuration-interaction <i>ab initio</i> methods. Physical Review A, 2015, 91, .	2.5	22
110	Relativistic effects in Ni II and the search for variation of the fine-structure constant. Physical Review A, 2001, 63, .	2.5	21
111	Calculation of the parity-violating $\langle \sigma \rangle$ amplitude in the rubidium atom. Physical Review A, 1998, 58, .	2.5	21
112	Correlation-potential method for negative ions and electron scattering. Physical Review A, 1994, 49, 2483-2492.	2.5	20
113	Calculation of the energy levels of Ge, Sn, Pb, and their ions in the $VN\tilde{a}^4$ approximation. Physical Review A, 2005, 71, .	2.5	20
114	Coupled-cluster single-double calculations of the relativistic energy shifts in C IV, Na I, Mg II, Al III, Si IV, Ca II, and Zn II. Physical Review A, 2007, 76, .	2.5	20
115	Calculation of the spectrum of the superheavy element $Z=120$. Physical Review A, 2008, 78, .	2.5	20
116	Micromagic Clock: Microwave Clock Based on Atoms in an Engineered Optical Lattice. Physical Review Letters, 2009, 102, 120801.	7.8	20
117	Atomic calculations and search for variation of the fine-structure constant in quasar absorption spectra. Canadian Journal of Physics, 2009, 87, 15-23.	1.1	20
118	Exponential Increase of Energy Level Density in Atoms: Th and Th II. Physical Review Letters, 2010, 104, 213002.	7.8	20
119	Combination of the single-double "coupled-cluster and the configuration-interaction methods: Application to barium, lutetium, and their ions. Physical Review A, 2014, 90, .	2.5	20
120	Actinide ions for testing the spatial \hat{I}_{\pm} -variation hypothesis. Physical Review A, 2015, 92, .	2.5	20
121	Anomalies of g -Factor in Heavy Atoms. Physica Scripta, 1985, 31, 275-280.	2.5	19
122	Correlation potential and ladder diagrams. Physical Review A, 2008, 78, .	2.5	19
123	Calculation of parity nonconservation in neutral ytterbium. Physical Review A, 2011, 83, .	2.5	19
124	Ionization potentials and polarizabilities of superheavy elements from Db to Cn. Physical Review A, 2016, 93, .	2.5	19
125	Energy levels and lifetimes of Nd IV, Pm IV, Sm IV, and Eu IV. Physical Review A, 2003, 68, .	2.5	18
126	Enhancement of the electron electric dipole moment in gadolinium garnets. Physical Review A, 2003, 68, .	2.5	18

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127	Atomic ionization by keV-scale pseudoscalar dark-matter particles. Physical Review D, 2010, 81, .	4.7	18
128	Optical atomic clocks with suppressed blackbody-radiation shift. Physical Review A, 2014, 90, .	2.5	18
129	Nuclear deformation as a source of the nonlinearity of the King plot in the ^{176}Yb ion. Physical Review A, 2021, 103, .	2.5	18
130	Configuration-interaction calculation for the isotope shift in Mg I. Physical Review A, 2004, 69, .	2.5	17
131	Relativistic linearized coupled-cluster single-double calculations of positron-atom bound states. Physical Review A, 2012, 86, .	2.5	17
132	Scalar static polarizabilities of lanthanides and actinides. Physical Review A, 2014, 89, .	2.5	17
133	Parity non-conservation in thallium and caesium. Physica Scripta, 1987, 36, 69-70.	2.5	16
134	Fine structure of Ca^{87} , Sr^{87} , Ba^{87} , and Ra^{226} from the many-body theory calculation. Physical Review A, 1997, 55, 2443-2446.	2.5	16
135	P -odd interaction constant W_A from relativistic <i>ab initio</i> calculations of diatomic molecules. Physical Review A, 2012, 85, .	2.5	16
136	All-order calculations of the spectra of Ba ii, Ra ii, Fr i, and superheavy elements E119 i and E120 ii. Physical Review A, 2013, 88, .	2.5	16
137	Ionization potentials of superheavy elements No, Lr, and Rf and their ions. Physical Review A, 2016, 94, .	2.5	16
138	Nobelium energy levels and hyperfine-structure constants. Physical Review A, 2018, 98, .	2.5	16
139	Search for violation of fundamental time-reversal and space-reflection symmetries in solid-state experiments. Physical Review A, 2002, 66, .	2.5	15
140	Finite-field evaluation of the Lennard-Jones atom-wall interaction constant C_3 for alkali-metal atoms. Physical Review A, 2004, 69, .	2.5	15
141	Fine-structure anomalies and search for variation of the fine-structure constant in laboratory experiments. Physical Review A, 2005, 72, .	2.5	15
142	Calculation of the hyperfine structure of the superheavy elements $Z=119$ and $Z=120$. Physical Review A, 2009, 80, .	2.5	15
143	Hyperfine-mediated static polarizabilities of monovalent atoms and ions. Physical Review A, 2010, 82, .	2.5	15
144	Calculation of strongly forbidden M_{1-1} transitions and g -factor anomalies in atoms considered for parity-nonconservation measurements. Physical Review A, 2013, 88, .	2.5	15

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145	Calculation of atomic spectra and transition amplitudes for the superheavy element Db (T_{jETQq1}). Review A, 2018, 98, .	0.784314	15
146	Resonance enhancement of relativistic effects for the scattering of very slow electrons by heavy atoms. Physical Review A, 1991, 44, 4224-4227.	2.5	14
147	Nuclear magnetic dipole moment and the hyperfine structure of the ^{225}Ac isotope. Physical Review A, 2008, 77, .	2.5	14
148	Transitions in Zr, Hf, Ta, W, Re, Hg, Ac, and U ions with high sensitivity to variation of the fine-structure constant. Physical Review A, 2011, 84, .	2.5	14
149	Nuclear-spin-dependent parity violation in diatomic molecular ions. Physical Review A, 2012, 86, .	2.5	14
150	Hyperfine-induced electric dipole contributions to the electric octupole and magnetic quadrupole atomic clock transitions. Physical Review A, 2016, 93, .	2.5	14
151	Isotope shifts in the ^{223}Fr transition of francium: Measurements and comparison to <i>ab initio</i> theory. Physical Review A, 2018, 97, .	2.5	14
152	Precision Determination of Isotope Shifts in Ytterbium and Implications for New Physics. Physical Review Letters, 2022, 128, 073001.	7.8	14
153	Calculation of the weak interactions in dysprosium. Physical Review A, 1994, 50, 3812-3817.	2.5	13
154	Enhancement of the electron electric dipole moment in Gd^{3+} . Physical Review A, 2002, 66, .	2.5	13
155	Highly charged ions for atomic clocks and search for variation of the fine structure constant. Hyperfine Interactions, 2015, 236, 79-86.	0.5	13
156	Electron structure of superheavy elements Uut, Fl and Uup ($Z=113$ to 115). Hyperfine Interactions, 2016, 237, 1.	0.5	13
157	Visible spectra of highly charged holmium ions observed with a compact electron beam ion trap. Nuclear Instruments & Methods in Physics Research B, 2017, 408, 118-121.	1.4	13
158	Using isotope shift for testing nuclear theory: The case of nobelium isotopes. Physical Review C, 2020, 102, .	2.9	13
159	Toward a high-performance transportable microwave frequency standard based on sympathetically cooled $^{113}\text{Cd}^+$ ions. Applied Physics Letters, 2021, 118, .	3.3	13
160	Semiclassical long-range behaviour of Hartree-fock orbitals. Journal of Physics B: Atomic and Molecular Physics, 1982, 15, L575-L580.	1.6	12
161	Core contribution to the nuclear magnetic quadrupole moment. Physical Review C, 1996, 54, 3305-3307.	2.9	12
162	Search for cosmological variation of the fine-structure constant using relativistic energy shifts in GeII , SnII , and PbII . Physical Review A, 2005, 71, .	2.5	12

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163	Parity nonconservation in hyperfine transitions. <i>Physical Review A</i> , 2012, 85, .	2.5	12
164	Blackbody radiation shift for the 1S_0 - 3P_0 optical clock transition in zinc and cadmium atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 215005.	1.5	12
165	Calculation of the spectra for the superheavy element $Z=112$. <i>Physical Review A</i> , 2008, 78, .	2.5	11
166	Strongly enhanced atomic parity violation due to close levels of opposite parity. <i>Physical Review A</i> , 2014, 89, .	2.5	11
167	Effect of nuclear quadrupole moments on parity nonconservation in atoms. <i>Physical Review A</i> , 2017, 96, .	2.5	11
168	Sensitivity of the isotope shift to the distribution of nuclear charge density. <i>Physical Review A</i> , 2019, 100, .	2.5	11
169	Theoretical study of the electron structure of superheavy elements with an open d shell: Sg, Bh, Hs, and Mt. <i>Physical Review A</i> , 2019, 99, .	2.5	11
170	Calculation of atomic properties of superheavy elements $Z < 110$ and their ions. <i>Physical Review A</i> , 2020, 101, .	2.5	11
171	Time keeping and searching for new physics using metastable states of Cu, Ag, and Au. <i>Physical Review A</i> , 2021, 103, .	2.5	11
172	Calculation of Polarizabilities for Atoms with Open Shells. <i>Symmetry</i> , 2020, 12, 1950.	2.2	10
173	Level-resolved quantum statistical theory of electron capture into many-electron compound resonances in highly charged ions. <i>Physical Review A</i> , 2015, 92, .	2.5	9
174	Fast configuration-interaction calculations for nobelium and ytterbium. <i>Physical Review A</i> , 2019, 99, .	2.5	9
175	Atomic Transition Frequencies, Isotope Shifts, and Sensitivity to Variation of the Fine Structure Constant for Studies of Quasar Absorption Spectra. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2011, , 9-16.	0.3	9
176	Theoretical study of the spectroscopic properties of mendelevium (Tj). <i>ETQq0 0 0 rgBT /Overlock 10 Tf 50 237 Td</i> (xmlns:mml="http://www.w3.org/1998/Math/MathML")	2.3	9
177	Quantitative Spectroscopy and Radiative Transfer, 2020, 247, 106943. Many-body calculations of relativistic energy shifts for single- and double-valence atoms and ions important for \hat{I}_{\pm} -variation search. <i>Physical Review A</i> , 2008, 77, .	2.5	8
178	Calculation of parity-nonconserving optical rotation in iodine at 1315 nm. <i>Physical Review A</i> , 2013, 87, .	2.5	8
179	All-order calculations of the spectra of superheavy elements 113 and 114. <i>Physical Review A</i> , 2016, 94, .	2.5	7
180	Screening of an oscillating external electric field in atoms. <i>Physical Review A</i> , 2018, 98, .	2.5	7

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199	<p>https://doi.org/10.1103/PhysRevA.81.042501 γ-induced transitions. Physical Review A, 2010, 81, 042501.</p>	2.5	2
200	Nuclear polarization and the contributions of relativistic effects to King plot nonlinearity. Physical Review A, 2022, 105, .	2.5	2
201	Effect of the atomic electric quadrupole moment on positron binding. Physical Review A, 2014, 90, .	2.5	1
202	New Atomic Methods for Dark Matter Detection. Journal of Physics: Conference Series, 2015, 635, 022033.	0.4	1
203	Relativistic Corrections in Atoms and Space-Time Variation of the Fine Structure Constant. Lecture Notes in Physics, 2001, , 564-575.	0.7	1
204	Enhancement of parity and time invariance violation in heavy atoms. AIP Conference Proceedings, 2000, , .	0.4	0
205	Searching for space-time variation of the fine structure constant using QSO spectra: overview and future prospects. Proceedings of the International Astronomical Union, 2009, 5, 304-304.	0.0	0
206	Stark shift and parity nonconservation for near-degenerate states of xenon. Physical Review A, 2014, 89, .	2.5	0
207	Detecting Positron-Atom Bound States through Resonant Annihilation and Scattering. Journal of Physics: Conference Series, 2015, 635, 052027.	0.4	0
208	Atomic Ionization by Dark Matter Particles. Journal of Physics: Conference Series, 2015, 635, 022012.	0.4	0
209	Periodic table of positronic atoms. Journal of Physics: Conference Series, 2015, 635, 052028.	0.4	0
210	Electron recombination with multicharged ions via chaotic many-electron states. Journal of Physics: Conference Series, 2015, 635, 052029.	0.4	0