

Malvina Trzhaskovskaya

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Prospects for studying the effect of electronic screening on \hat{I}_{\pm} decay in storage rings. Physical Review C, 2022, 105, .	2.9	1
2	Internal Conversion Coefficients for Observed Low-Energy Gamma Transitions. Physics of Atomic Nuclei, 2022, 85, 50-62.	0.4	0
3	Internal conversion data for low-charged tungsten ions: IV. W^{40+} α decay. α decay of superheavy isotopes from the tennesseine decay chain and oganesson. $^{117}294\text{Ts}$ and $^{115}290\text{Og}$. Physics of Atomic Nuclei, 2020, 83, 673-683.	2.9	2
4	Spectroscopic factors of atomic subshells for HAXPES applications. Atomic Data and Nuclear Data Tables, 2021, 139, 101387.	2.4	3
5	Comparison of Methods for Eliminating the Bohr-Weisskopf Effect in Atomic Spectra of ^{209}Bi Heavy Ions. Physics of Atomic Nuclei, 2021, 84, 418-424.	0.4	1
6	Dirac-Fock internal conversion coefficients at low \hat{I}_{β} -ray energy. Atomic Data and Nuclear Data Tables, 2021, 140, 101426.	2.4	1
7	Atomic Processes Accompanying Alpha Decay of Superheavy Nuclei. Physics of Atomic Nuclei, 2020, 83, 673-683.	0.4	1
8	Nonresonance Shake Mechanism in Neutrinoless Double Electron Capture. Physics of Atomic Nuclei, 2020, 83, 608-612.	0.4	5
9	K-shell internal conversion coefficient for M4 decay of the 30.8 keV isomer in Nb93. Physical Review C, 2020, 102, .	2.9	2
10	The Bohr-Weisskopf Effect in the Atomic Spectra of Heavy Ions of ^{209}Bi . Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 1524-1527.	0.6	1
11	Electron Recombination as a Way of Deexciting the ^{129m}Sb Isomer. Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 1207-1209.	0.6	0
12	Fundamental Problems in Creating a Nuclear Optical Frequency Standard on the Basis of ^{229}Th . Physics of Atomic Nuclei, 2020, 83, 775-782.	0.4	1
13	Dirac-Fock photoionization parameters for HAXPES applications, Part II: Inner atomic shells. Atomic Data and Nuclear Data Tables, 2019, 129-130, 101280.	2.4	19
14	Inner-shell ionization during \hat{I}_{\pm} decay of superheavy isotopes from the tennesseine $^{117}294\text{Ts}$ and oganesson $^{115}290\text{Og}$. Physics of Atomic Nuclei, 2020, 83, 673-683.	2.9	1
15	L-Shell Ionization during the Alpha Decay of Superheavy Nuclei from $^{117}294\text{Ts}$ Tennesseine Decay Chain and the Alpha Decay of the Polonium Isotope $^{84}210\text{Po}$. Physics of Atomic Nuclei, 2019, 82, 55-61.	0.4	3
16	Dirac-Fock photoionization parameters for HAXPES applications. Atomic Data and Nuclear Data Tables, 2018, 119, 99-174.	2.4	75
17	Precise test of internal-conversion theory: $\hat{I}_{\pm K}$ measurements for transitions in nine nuclei spanning $45 \leq Z \leq 78$. Applied Radiation and Isotopes, 2018, 134, 406-409.	1.5	3
18	Impact of the ionization of the atomic shell on the lifetime of the ^{229m}Th isomer. Nuclear Physics A, 2018, 969, 173-183.	1.5	11

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19	Atomic structure data based on average-atom model for opacity calculations in astrophysical plasmas. High Energy Density Physics, 2018, 26, 1-7.	1.5	3
20	Precise measurement of $\hat{I}_{\pm K}$ and $\hat{I}_{\pm T}$ for the 39.8-keV E3 transition in Rh103 : Test of internal-conversion theory. Physical Review C, 2018, 98, .	2.9	6
21	Calculations of photoionization and radiative recombination in warm dense plasmas by average-atom method. High Energy Density Physics, 2018, 29, 1-9.	1.5	1
22	Anomalous Internal Conversion as a Clue to Solving the 209Bi Puzzle. Physics of Atomic Nuclei, 2018, 81, 1-5.	0.4	7
23	Precise measurement of $\hat{I}_{\pm K}$ and $\hat{I}_{\pm T}$ for the 88.2-keV M_4 transition in ^{209}Bi : Bound internal conversion versus nuclear excitation by electron transition: Revision of the theory	2.9	7
24	of optical pumping of the ^{229}Th nuclear isomer. Physical Review C, 2017, 95, .	2.9	18
25	Precise measurement of $\hat{I}_{\pm K}$ and $\hat{I}_{\pm T}$ for the 109.3-keV M_4 transition in ^{125}Te : Test of internal-conversion theory. Physical Review C, 2017, 95, .	2.9	5
26	K-shell ionization during the \hat{I}_{\pm} -decay of superheavy nuclei. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 1201-1206.	0.6	3
27	Precise measurement of $\hat{I}_{\pm K}$ and $\hat{I}_{\pm T}$ for the 150.8-keV E_3 transition in ^{209}Bi : Bound internal conversion versus nuclear excitation by electron transition: Revision of the theory	2.9	11
28	K-shell ionization during \hat{I}_{\pm} decay of polonium isotopes and superheavy nuclei. Physical Review C, 2016, 93, .	2.9	5
29	Radiative Recombination and Photoionization Data for Tungsten Ions. Electron Structure of Ions in Plasmas. Atoms, 2015, 3, 86-119.	1.6	13
30	Experimental aspects of the adiabatic approach in estimating the effect of electron screening on alpha decay. Physics of Atomic Nuclei, 2015, 78, 993-1000.	0.4	5
31	Excitation of the ^{229}mTh nuclear isomer via resonance conversion in ionized atoms. Physics of Atomic Nuclei, 2015, 78, 715-719.	0.4	11
32	Precise measurement of $\hat{I}_{\pm K}$ and $\hat{I}_{\pm T}$ for the 65.7-keV M_4 transition in ^{209}Bi : Bound internal conversion versus nuclear excitation by electron transition: Revision of the theory	2.9	12
33	Reverse conversion in ^{161}Dy ions as an extension of dielectronic recombination. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 672-679.	0.6	1
34	Radiative recombination data for tungsten ions. All. $\hat{I}_{\pm K}$ and $\hat{I}_{\pm T}$ for the 65.7-keV M_4 transition in ^{209}Bi : Bound internal conversion versus nuclear excitation by electron transition: Revision of the theory	2.4	4
35	Radiative recombination data for tungsten ions: II.. Atomic Data and Nuclear Data Tables, 2014, 100, 986-1058.	2.4	9
36	Radiative recombination data for tungsten ions: I. W_{24+} – W_{45+} . Atomic Data and Nuclear Data Tables, 2013, 99, 249-311.	2.4	14

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37	Radiative recombination and photoionization cross sections for impurities in plasmas: III. Ions of elements with. Atomic Data and Nuclear Data Tables, 2011, 97, 345-382.	2.4	4
38	Radiative recombination rate coefficients for highly-charged tungsten ions. Atomic Data and Nuclear Data Tables, 2010, 96, 1-25.	2.4	15
39	Resonance behavior of internal conversion coefficients at low ³ -ray energy. Physical Review C, 2010, 81, .	2.9	4
40	Further test of internal-conversion theory with a measurement in Pt . Physical Review C, 2009, 80, .	2.9	16
41	Radiative recombination and photoionization cross sections for heavy element impurities in plasmas: II. Ions of Si, Cl, Ar, Ti, Cr, Kr, and Xe. Atomic Data and Nuclear Data Tables, 2009, 95, 987-1050.	2.4	6
42	Prospect of triggering the 178m2Hf isomer and the role of resonance conversion. European Physical Journal A, 2009, 39, 341-348.	2.5	8
43	Evaluation of theoretical conversion coefficients using BrIcc. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 589, 202-229.	1.6	771
44	Angular distribution of photoelectrons with regard to non-dipole effects in photoionization and elastic electron scattering in solids. Journal of Structural Chemistry, 2008, 49, 159-164.	1.0	2
45	Radiative recombination and photoionization cross sections for heavy element impurities in plasmas. Atomic Data and Nuclear Data Tables, 2008, 94, 71-139.	2.4	19
46	Effect of beta-electron capture to a bound state on delayed-neutron emission from fission fragments. Physics of Atomic Nuclei, 2008, 71, 951-955.	0.4	4
47	Triggering the 178m2Hf isomer via resonance conversion. Physics of Atomic Nuclei, 2008, 71, 1384-1389.	0.4	2
48	The influence of relaxation and nondipole effects on the intensity of X-ray photoelectron spectra. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 423-428.	0.6	0
49	Internal conversion coefficient in Cs . Physical Review C, 2007, 76, .	2.9	24
50	Multipole and relativistic effects in radiative recombination process in hot plasmas. Physical Review E, 2008, 78, 035401.	2.1	12
51	Impact of the electron environment on the lifetime of the Th low-lying isomer. Physical Review C, 2007, 76, .	2.9	54
52	Test of internal-conversion theory with measurements in $Cs134$ and $Ba137$. Physical Review C, 2007, 75, .	2.9	24
53	Non-dipole second order parameters of the photoelectron angular distribution for elements $Z=1-100$ in the photoelectron energy range $1-10$ keV. Atomic Data and Nuclear Data Tables, 2006, 92, 245-304.	2.4	137
54	Resonance conversion of gamma radiation in the radiative transitions between neutron resonances. Physics of Particles and Nuclei Letters, 2006, 3, 395-398.	0.4	1

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55	Resonance conversion as a dominant decay mode for the 3.5-eV isomer in ^{229m}Th . <i>Physics of Atomic Nuclei</i> , 2006, 69, 571-580.	0.4	10
56	Precise measurement of K-shell fluorescence yield in iridium: An improved test of internal-conversion theory. <i>Physical Review C</i> , 2005, 71, .	2.9	22
57	Precise measurement of α_K for the M4 transition from ^{193}Ir : A test of internal-conversion theory. <i>Physical Review C</i> , 2004, 70, .	2.9	30
58	Internal conversion in hydrogen-like ions. <i>Physics of Atomic Nuclei</i> , 2004, 67, 217-225.	0.4	7
59	Influence of nondipolar effects on the photoelectron angular distribution upon photoionization of 2p and 3d atomic shells. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2004, 96, 765-773.	0.6	3
60	Resonance internal conversion in hydrogen-like ions. <i>Journal of Experimental and Theoretical Physics</i> , 2004, 99, 286-289.	0.9	4
61	The effect of octupole transitions on the intensity of X-ray-photoelectron spectra under photoionization. <i>Doklady Physics</i> , 2003, 48, 274-276.	0.7	1
62	Contribution of octupole transitions to the angular distribution of photoelectrons emitted in photoionization. <i>Doklady Physics</i> , 2003, 48, 337-339.	0.7	0
63	Radiative recombination of an electron with multiply charged uranium ions. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2003, 95, 537-545.	0.6	8
64	Internal conversion between bound states and the Pauli exclusion principle. <i>Physical Review C</i> , 2002, 65, .	2.9	5
65	How good are the internal conversion coefficients now?. <i>Physical Review C</i> , 2002, 66, .	2.9	49
66	Dirac-Fock Internal Conversion Coefficients. <i>Atomic Data and Nuclear Data Tables</i> , 2002, 81, 1-334.	2.4	193
67	PHOTOELECTRON ANGULAR DISTRIBUTION PARAMETERS FOR ELEMENTS Z=55 to Z=100 IN THE PHOTOELECTRON ENERGY RANGE 100-5000 eV. <i>Atomic Data and Nuclear Data Tables</i> , 2002, 82, 257-311.	2.4	185
68	The influence of core hole relaxation on the main-line intensities in X-ray photoelectron spectra. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2002, 123, 1-10.	1.7	21
69	Angular distribution of photoelectron spectra of solids with allowance for second-order nondipole effects and elastic scattering. <i>Doklady Physics</i> , 2002, 47, 583-585.	0.7	0
70	Relativistic photoelectron angular distribution parameters in the quadrupole approximation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001, 34, 3221-3237.	1.5	29
71	PHOTOELECTRON ANGULAR DISTRIBUTION PARAMETERS FOR ELEMENTS Z=1 TO Z=54 IN THE PHOTOELECTRON ENERGY RANGE 100-5000 eV. <i>Atomic Data and Nuclear Data Tables</i> , 2001, 77, 97-159.	2.4	333
72	Multipole effects in the angular distribution of photoelectrons. <i>Optics and Spectroscopy (English)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	3

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73	Internal conversion to bound final states in Te. Nuclear Physics A, 2000, 676, 143-154.	1.5	12
74	Study of parameters of the angular distribution of photoelectrons in the relativistic quadrupole approximation. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2000, 88, 489-497.	0.6	6
75	On the Question of Electron Bridge for the 3.5-eV Isomer of ^{229}Th . Physical Review Letters, 1999, 83, 1072-1072.	7.8	24
76	3.5-eV isomer of ^{229m}Th : How it can be produced. Nuclear Physics A, 1999, 654, 579-596.	1.5	41
77	Subbarrier conversion in $^{125}\text{Te}^{45+}$. Journal of Experimental and Theoretical Physics, 1999, 89, 845-849.	0.9	2
78	Rates of transitions between the hyperfine-splitting components of the ground-state and the 3.5 eV isomer in $^{229}\text{Th}^{89+}$. Physical Review C, 1998, 57, 3085-3088.	2.9	26
79	Study of photoeffect phenomena on the basis of the multiconfiguration Dirac - Fock method: I. Photoionization of 4d subshells in atomic barium. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 5185-5195.	1.5	6
80	Optical pumping ^{229m}Th through NEET as a new effective way of producing nuclear isomers. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 372, 1-7.	4.1	44
81	Subthreshold internal conversion to bound states in highly ionized ^{125}Te ions. Physical Review C, 1996, 53, 1640-1645.	2.9	43
82	Internal Conversion Coefficients for Low-Energy Nuclear Transitions. Atomic Data and Nuclear Data Tables, 1993, 55, 43-61.	2.4	56
83	Subshell Photoionization Cross Sections and Ionization Energies of Atoms and Ions from He to Zn. Atomic Data and Nuclear Data Tables, 1993, 55, 233-280.	2.4	199
84	Stimulation of nuclear transitions via resonance conversion in electromagnetic fields. Canadian Journal of Physics, 1992, 70, 623-626.	1.1	8
85	Electron-wave-function expansion amplitudes near the origin calculated in the Dirac-Fock-Slater and Dirac-Fock potentials. Atomic Data and Nuclear Data Tables, 1986, 35, 1-13.	2.4	27
86	Photoionization cross sections and photoelectron angular distributions for x-ray line energies in the range 0.132–4.509 keV targets: $1 \leq Z \leq 100$. Atomic Data and Nuclear Data Tables, 1979, 23, 443-505.	2.4	362
87	Relative intensities in x-ray photoelectron spectra. Part II. Journal of Electron Spectroscopy and Related Phenomena, 1975, 7, 175-185.	1.7	77
88	Relative intensities in x-ray photoelectron spectra. Journal of Electron Spectroscopy and Related Phenomena, 1973, 2, 383-403.	1.7	168