

Dariusz Banaś

List of Publications by Year in descending order

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papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Quantum Electrodynamics in Strong Electric Fields: The Ground-State Lamb Shift in Hydrogenlike Uranium. <i>Physical Review Letters</i> , 2005, 94, 223001.	2.9	185
2	First Measurement of the Linear Polarization of Radiative Electron Capture Transitions. <i>Physical Review Letters</i> , 2006, 97, 223202.	2.9	112
3	The effect of chemical modification on the physico-chemical characteristics of halloysite: FTIR, XRF, and XRD studies. <i>Journal of Molecular Structure</i> , 2015, 1084, 16-22.	1.8	108
4	Trace element concentration distributions in breast, lung and colon tissues. <i>Physics in Medicine and Biology</i> , 2007, 52, 3895-3911.	1.6	54
5	Electron-Electron Interaction in Strong Electromagnetic Fields: The Two-Electron Contribution to the Ground-State Energy in He-like Uranium. <i>Physical Review Letters</i> , 2004, 92, 203004.	2.9	50
6	Synthesis, characterization and photocatalytic activity of TiO ₂ -halloysite and Fe ₂ O ₃ -halloysite nanocomposites for photodegradation of chloroanilines in water. <i>Applied Clay Science</i> , 2017, 149, 118-126.	2.6	42
7	Electron- and Proton-Impact Excitation of Hydrogenlike Uranium in Relativistic Collisions. <i>Physical Review Letters</i> , 2013, 110, 213201.	2.9	41
8	An elemental correlation study in cancerous breast tissue by total reflection x-ray fluorescence. <i>Biological Trace Element Research</i> , 1997, 60, 91-100.	1.9	40
9	Trace element load in cancer and normal lung tissue. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999, 150, 193-199.	0.6	37
10	Multiple ionization and coupling effects in L-subshell ionization of heavy atoms by oxygen ions. <i>Physical Review A</i> , 2003, 68, .	1.0	34
11	Spectral Shape of the Two-Photon Decay of the $2s^2$ State in He-Like Tin. <i>Physical Review Letters</i> , 2010, 104, 033001.	2.9	34
12	Multiple ionization effects in low-resolution X-ray spectra induced by energetic heavy ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 195, 233-246.	0.6	33
13	Selective population of the $[1s2s]S_0$ and $[1s2s]S_1$ states of He-like uranium. <i>Physical Review A</i> , 2006, 74, .	1.0	33
14	M-shell ionization of heavy elements by $0.1 \leq E \leq 1.0$ MeV ^1H , ^2H , and ^3He ions. <i>Physical Review A</i> , 2006, 73, .	1.0	29
15	Observation of Coherence in the Time-Reversed Relativistic Photoelectric Effect. <i>Physical Review Letters</i> , 2014, 113, 113001.	2.9	28
16	Some aspects of statistical distribution of trace element concentrations in biomedical samples. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999, 150, 254-259.	0.6	26
17	Analysis of elemental concentration censored distributions in breast malignant and breast benign neoplasm tissues. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 695-701.	1.5	26
18	Study of properties of chemically modified samples of halloysite mineral with X-ray fluorescence and X-ray powder diffraction methods. <i>Radiation Physics and Chemistry</i> , 2013, 93, 129-134.	1.4	26

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19	Analysis of Copper Concentration in Human Serum by Application of Total Reflection X-ray Fluorescence Method. Biological Trace Element Research, 2014, 158, 22-28.	1.9	26
20	Angular Correlation and Polarization Studies for Radiative Electron Capture into High-Z Ions. Physica Scripta, 2004, 110, 384.	1.2	25
21	Application of the high-resolution grazing-emission x-ray fluorescence method for impurities control in semiconductor nanotechnology. Journal of Applied Physics, 2009, 105, 086101.	1.1	25
22	Radiative-electron-capture-to-continuum cusp in $U_{88++}N_2$ collisions and the high-energy endpoint of electron-nucleus bremsstrahlung. Physical Review A, 2014, 90, .	1.0	25
23	Analysis of Ti and TiO ₂ nanolayers by total reflection X-ray photoelectron spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 145, 43-50.	1.5	25
24	FOCAL: X-ray optics for accurate spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2004, 59, 1535-1542.	1.5	23
25	Radiative Electron Capture to the Continuum and the Short Wavelength Limit of Electron-Nucleus Bremsstrahlung in $U_{90}A$ MeV $U_{88}+N_2$		

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37	PIXE and XRF analysis of honey samples. Nuclear Instruments & Methods in Physics Research B, 2002, 187, 231-237.	0.6	18
38	Electron-loss-to-continuum cusp in U ⁸⁸⁺ +N ₂ collisions. Physical Review A, 2014, 90, .	1.0	17
39	Grazing angle X-ray fluorescence from periodic structures on silicon and silica surfaces. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 98, 65-75.	1.5	17
40	Wavelength-dispersive spectroscopy in the hard x-ray regime of a heavy highly-charged ion: the 1 <i>i>s</i></i> Lamb shift in hydrogen-like gold. New Journal of Physics, 2018, 20, 073033.	1.2	17
41	Influence of detection limit on the measured concentration distribution of trace elements. X-Ray Spectrometry, 2001, 30, 348-352.	0.9	16
42	Multiple ionization effects in x-ray emission induced by heavy ions. Brazilian Journal of Physics, 2006, 36, 546-549.	0.7	16
43	Depth profiling of dopants implanted in Si using the synchrotron radiation based high-resolution grazing emission technique. X-Ray Spectrometry, 2012, 41, 98-104.	0.9	16
44	High-energy-resolution grazing emission X-ray fluorescence applied to the characterization of thin Al films on Si. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 88, 136-149.	1.5	16
45	The role of multiple ionization and subshell coupling effects in L-shell ionization of Au by oxygen ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 3421-3433.	0.6	15
46	The FOCAL spectrometer for accurate X-ray spectroscopy of fast heavy ions. Nuclear Instruments & Methods in Physics Research B, 2006, 245, 67-71.	0.6	15
47	Biological effectiveness of ¹² C and ²⁰ Ne ions with very high LET. International Journal of Radiation Biology, 2008, 84, 821-829.	1.0	15
48	Depth profiling of low energy ion implantations in Si and Ge by means of micro-focused grazing emission X-ray fluorescence and grazing incidence X-ray fluorescence. Journal of Analytical Atomic Spectrometry, 2015, 30, 1086-1099.	1.6	15
49	The study of Th M-X-ray satellites and hypersatellites induced by energetic O and Ne ions. Radiation Physics and Chemistry, 2003, 68, 121-125.	1.4	14
50	Random left-censoring: a statistical approach accounting for detection limits in x-ray fluorescence analysis. X-Ray Spectrometry, 2004, 33, 306-311.	0.9	14
51	Precision tests of QED in strong fields: experiments on hydrogen- and helium-like uranium. Journal of Physics: Conference Series, 2007, 58, 87-92.	0.3	14
52	Crystal optics for hard-X-ray spectroscopy of highly charged ions. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 736-743.	1.5	14
53	Depth profiles of Al impurities implanted in Si wafers determined by means of the high-resolution grazing emission X-ray fluorescence technique. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 445-449.	1.5	14
54	Determination of element levels in human serum: Total reflection X-ray fluorescence applications. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 122, 56-61.	1.5	14

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55	Universal scaling of the M- and N-shell ionization probabilities measured in collisions of O, Si and S ions with heavy atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, L793-L800.	0.6	13
56	Zn Concentration in Thyroid Tissue and Whole Blood of Women with Different Diseases of Thyroid. Biological Trace Element Research, 2001, 80, 193-199.	1.9	13
57	Configurations of highly ionized fast sulphur projectiles passing through a carbon foil evaluated from low-resolution K x-ray spectra. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 1941-1957.	0.6	13
58	Closing of Coster-Kronig transitions in multiply ionised gold atoms. Nuclear Instruments & Methods in Physics Research B, 2003, 205, 139-143.	0.6	13
59	X-ray spectrometry and X-ray microtomography techniques for soil and geological samples analysis. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 85-92.	0.6	13
60	Electron- and proton-impact excitation of heliumlike uranium in relativistic collisions. Physical Review A, 2019, 99, .	1.0	13
61	X-ray photoelectron spectroscopy analysis of chemically modified halloysite. Radiation Physics and Chemistry, 2020, 175, 108149.	1.4	13
62	Solid state effects in L ^α X-ray transitions induced by O, Si and S ions in heavy metals. Nuclear Instruments & Methods in Physics Research B, 2000, 164-165, 344-348.	0.6	12
63	An irradiation facility with a horizontal beam for radiobiological studies. Radiation Protection Dosimetry, 2006, 122, 207-209.	0.4	12
64	High-resolution X-ray study of the multiple ionization of Pd atoms by fast oxygen ions. European Physical Journal D, 2010, 57, 321-324.	0.6	12
65	p-Nitrophenol flow hydrogenation with nano-Cu ₂ O grafted on polymeric resin. Catalysis Communications, 2017, 92, 61-64.	1.6	12
66	X-ray Diffraction and Elemental Analysis of Medical and Environmental Samples. Acta Physica Polonica A, 2014, 125, 911-918.	0.2	12
67	Probing superheavy quasimolecular collisions with incoming inner shell vacancies. Nuclear Instruments & Methods in Physics Research B, 2006, 245, 56-60.	0.6	11
68	Polarization and angular correlation studies of X-rays emitted in relativistic ion-atom collisions. European Physical Journal: Special Topics, 2009, 169, 5-14.	1.2	11
69	Effect of Temperature on Halloysite Acid Treatment for Efficient Chloroaniline Removal from Aqueous Solutions. Clays and Clay Minerals, 2017, 65, 155-167.	0.6	11
70	Determination of concentration distribution of trace elements near the detection limit. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2001, 56, 2037-2044.	1.5	10
71	Satellite and hypersatellite structures of $L_{\pm 1}$ transitions in mid-Z atoms. Physical Review A, 2013, 88, .	1.0	10
72	Multielemental Analysis of Tobacco Plant and Tobacco Products by TXRF. Journal of Analytical Toxicology, 2018, 42, 409-416.	1.7	10

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73	Archaeological applications of spectroscopic measurements. Compatibility of analytical methods in comparative measurements of historical Polish coins. Measurement: Journal of the International Measurement Confederation, 2019, 135, 869-874.	2.5	10
74	X-Ray Fluorescence Techniques in Medical Applications: Reference Values of Elements in Human Serum, Urine and Hair. Acta Physica Polonica A, 2014, 125, 864-868.	0.2	10
75	M-X-ray production cross-sections for 0.2–2 MeV deuterons. Nuclear Instruments & Methods in Physics Research B, 2000, 161-163, 191-195.	0.6	9
76	Concentration distribution of trace elements: from normal distribution to Levy flights. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2003, 58, 717-724.	1.5	9
77	Investigation of the Decay Properties of the 1s(2s)2 State in Li-Like Uranium. Journal of Physics: Conference Series, 2007, 58, 141-144.	0.3	9
78	Observation of internal structure of the L-shell x-ray hypersatellites for palladium atoms multiply ionized by fast oxygen ions. Physical Review A, 2010, 81, .	1.0	9
79	Modification of gold and titanium nanolayers using slow highly charged Xe q+ ions. Nuclear Instruments & Methods in Physics Research B, 2017, 408, 235-240.	0.6	9
80	Hypersatellite x-ray decay of U^{3d} hollow- K -shell atoms	1.0	9
81	Two-proton energy distribution from the decay of U^{3d} in Li-like uranium. Physical Review A, 2013, 87, .	1.0	8
82	Characterization of the morphology of titanium and titanium (IV) oxide nanolayers deposited on different substrates by application of grazing incidence X-ray diffraction and X-ray reflectometry techniques. Thin Solid Films, 2019, 671, 103-110.	0.8	8
83	Radiative electron capture to the continuum in U^{89+} collisions: Experiment and theory. Physical Review A, 2020, 101, .	1.0	7
84	The enhancement effect in K-shell radiative recombination of U^{12+} ions with cooling electrons. European Physical Journal: Special Topics, 2009, 169, 15-18.	1.2	7
85	Application of the X-ray fluorescence analysis and X-ray diffraction in geochemical studies of the Pleistocene tills from Holy Cross Mountains. Radiation Physics and Chemistry, 2013, 93, 92-98.	1.4	7
86	Ray-tracing simulations of spherical Johann diffraction spectrometer for in-beam X-ray experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 753, 121-130.	0.7	7
87	Subshell-selective x-ray studies of radiative recombination of U^{92+} with electrons for very low relative energies. Physical Review A, 2015, 92, .	1.0	7
88	Ground-state excitation of heavy highly-charged ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144006.	0.6	7
89	EBIS-A facility for the studies of X-ray emission from solids bombarded by highly charged ions. Nuclear Instruments & Methods in Physics Research B, 2015, 354, 125-128.	0.6	7
90	Total reflection X-ray fluorescence medical applications: Elemental analysis of human urine. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 147, 121-131.	1.5	7

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91	Influence of target material impurities on physical results in relativistic heavy-ion collisions. European Physical Journal Plus, 2019, 134, 1.	1.2	7
92	Surface Properties of Halloysite-Carbon Nanocomposites and Their Application for Adsorption of Paracetamol. Materials, 2020, 13, 5647.	1.3	7
93	Investigation of Gold Nanolayer Properties Using X-Ray Reflectometry and Spectroscopic Ellipsometry Methods. Acta Physica Polonica A, 2016, 129, 233-236.	0.2	7
94	Study of chromium, selenium and bromine concentrations in blood serum of patients with parenteral nutrition treatment using total reflection X-ray fluorescence analysis. PLoS ONE, 2020, 15, e0243492.	1.1	7
95	Cell survival and chromosomal aberrations in CHO-K1 cells irradiated by carbon ions. Applied Radiation and Isotopes, 2009, 67, 447-453.	0.7	6
96	Spectral shape of the 2E1 decay from 2s state in He-like tin. European Physical Journal: Special Topics, 2009, 169, 19-22.	1.2	6
97	The physics program at the Kielce EBIS-A facility. Journal of Instrumentation, 2010, 5, C09005-C09005.	0.5	6
98	Precision studies of fundamental atomic structure with heaviest few-electron ions. Hyperfine Interactions, 2011, 199, 59-69.	0.2	6
99	Improvement of a TXRF setup to obtain detection limit in the low ppb range. X-Ray Spectrometry, 2006, 35, 323-328.	0.9	5
100	A 2D position sensitive germanium detector for spectroscopy and polarimetry of high-energetic x-rays. Journal of Physics: Conference Series, 2007, 58, 411-414.	0.3	5
101	Vacancy rearrangement processes in multiply ionized atoms. Journal of Physics: Conference Series, 2007, 58, 295-298.	0.3	5
102	Current and future electron spectroscopy experiments in relativistic storage rings. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 218-221.	0.6	5
103	Coupling and binding-saturation effects in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle \text{L} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -subshell ionization of heavy atoms by 0.3 MeV/amu Si ions. Physical Review A, 2008, 77, .	1.0	5
104	Investigation of the bystander effect in CHO-K1 cells. Reports of Practical Oncology and Radiotherapy, 2014, 19, S37-S41.	0.3	5
105	A DuMond-type crystal spectrometer for synchrotron-based X-ray emission studies in the energy range of $15 \text{--} 26 \text{ keV}$. Review of Scientific Instruments, 2019, 90, 063106.	0.6	5
106	Determination of Crystal-Field Splitting Induced by Thermal Oxidation of Titanium. Journal of Physical Chemistry A, 2021, 125, 50-56.	1.1	5
107	Properties of polycapillary optics dedicated to low-energy parallel-beam wavelength-dispersive spectrometers for synchrotron-based X-ray fluorescence study. Optics Express, 2021, 29, 27193.	1.7	5
108	Multiple ionization in M-, N- and O-shell in collisions of O, S and S ions with heavy atoms. , 1999, , .		4

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109	Coupling and binding effects in L-shell ionization of heavy atoms by oxygen, silicon and sulphur ions. Nuclear Instruments & Methods in Physics Research B, 2005, 235, 301-305.	0.6	4
110	Development of a Bragg spectrometer for experiments with highly charged ions at storage rings. Journal of Physics: Conference Series, 2007, 58, 415-418.	0.3	4
111	L-subshell ionization of heavy elements by S ions with energy of $0.4 \leq E \leq 3.8$ MeV/amu. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2255-2258.	0.6	4
112	L X-ray emission induced by heavy ions. Nuclear Instruments & Methods in Physics Research B, 2015, 363, 19-23.	0.6	4
113	The correlation of crystalline and elemental composition of urinary stones with a history of bacterial infections: TXRF, XRPD and PCR-DGGE studies. European Biophysics Journal, 2019, 48, 111-118.	1.2	4
114	High-Resolution Measurements of Th and U L α -X-rays Induced by Energetic O Ions. Physica Scripta, 2001, T92, 382-384.	1.2	3
115	High-accuracy crystal spectroscopy of the $n=2$ energy level of helium-like uranium. Canadian Journal of Physics, 2007, 85, 441-451.	0.4	3
116	Radiative processes studied for bare uranium ions in collisions with H ₂ . Journal of Physics: Conference Series, 2007, 58, 243-246.	0.3	3
117	Recent Developments for the Investigation of Ground-State Transitions in Heavy One-Electron Ions. Journal of Physics: Conference Series, 2007, 72, 012008.	0.3	3
118	Equilibrium K-, L-, and M-shell ionizations and charge-state distribution of sulfur projectiles passing through solid targets. Physical Review A, 2010, 82, .	1.0	3
119	Polarization and anisotropic emission of K-shell radiation from heavy few electron ions $Z \geq 1$. This article is part of a Special Issue on the 10th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas.. Canadian Journal of Physics, 2011, 89, 513-519.	0.4	3
120	Synchrotron radiation based micro X-ray fluorescence analysis of the calibration samples used in surface sensitive total reflection and grazing emission X-ray fluorescence techniques. Radiation Physics and Chemistry, 2013, 93, 117-122.	1.4	3
121	Monte-Carlo simulations of the radiative recombination of ions with electrons in cold magnetized plasma. Physica Scripta, 2014, T161, 014001.	1.2	3
122	Coherent population of magnetic sublevels of $2m_{j=3/2}$ state in hydrogenlike uranium by radiative recombination. Physica Scripta, 2015, T166, 014027.	1.2	3
123	Determination of lead at physiological level in human biological materials using the total reflection X-ray fluorescence analysis. X-Ray Spectrometry, 2016, 45, 318-324.	0.9	3
124	Formation of nanocraters on the surface of gold nanolayer by an impact of highly charged xenon ions. Journal of Physics: Conference Series, 2020, 1412, 202024.	0.3	3
125	Low-Angle X-Ray Spectroscopy and Reflectometry Techniques in Interdisciplinary Applications. Acta Physica Polonica A, 2021, 139, 247-256.	0.2	3
126	Angular Distribution of Characteristic Radiation Following the Excitation of He-Like Uranium in Relativistic Collisions. Atoms, 2021, 9, 20.	0.7	3

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127	loss-to-continuum cusp in collisions of U^{89+} with N_2	1.0	3
128	X-ray emission studies in relativistic collisions of Li-like uranium ions with gaseous target. Nuclear Instruments & Methods in Physics Research B, 2005, 235, 326-330.	0.6	2
129	Two-photon decay in highly charged heavy ions: Spectral shape of the $2E1 (21S0 \rightarrow 11S0)$ in He-like tin. Journal of Physics: Conference Series, 2009, 163, 012027.	0.3	2
130	Heavy Ion Beams for Radiobiology: Dosimetry and Nanodosimetry at HIL. Acta Physica Polonica A, 2015, 127, 1516-1519.	0.2	2
131	M shell ionization of Ar induced in near-central collisions with MeV protons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 065204.	0.6	2
132	Multiple ionization of Au by fast S^{q+} ions of energy $0.4 \leq E \leq 3.8$ MeV/amu. Nuclear Instruments & Methods in Physics Research B, 2017, 408, 146-149.	0.6	2
133	X-ray emission in interaction of highly charged xenon ions with Be foil. Journal of Physics: Conference Series, 2017, 810, 012050.	0.3	2
134	Biological effects of mixed-ion beams. Part 1: Effect of irradiation of the CHO-K1 cells with a mixed-ion beam containing the carbon and oxygen ions. Applied Radiation and Isotopes, 2018, 139, 304-309.	0.7	2
135	New measurements of $M\ell^{\pm 1}$, $M\ell^{\pm 2}$, $M\ell^{\pm 3}$ and total M-shell X-ray production cross sections induced by carbon ions on Bi and Pt targets. Nuclear Instruments & Methods in Physics Research B, 2019, 440, 180-185.	0.6	2
136	Observation of two-electron one-photon X-ray transitions in collisions of slow Xe^{26+} ions with beryllium surface. Journal of Physics: Conference Series, 2020, 1412, 202002.	0.3	2
137	<i>In situ</i> observation of charge transfer and crystal field formation via high energy resolution X-ray spectroscopy during temperature programmed oxidation. Physical Chemistry Chemical Physics, 2020, 22, 14731-14735.	1.3	2
138	Studies of Element Concentration in the Lymphocytes, Erythrocytes, and Plasma of Healthy Human Donors Using Total Reflection X-ray Fluorescence. Applied Spectroscopy, 2021, 75, 000370282199349.	1.2	2
139	Application of Synchrotron Radiation Based X-ray Reflectometry in Analysis of TiO_2 Nanolayers, Unmodified and Irradiated with Xe^{q+} Ions. Acta Physica Polonica A, 2020, 137, 38-43.	0.2	2
140	Lamb Shift Experiments on High-Z One-Electron Systems. Lecture Notes in Physics, 2003, , 115-137.	0.3	1
141	STATE-SELECTIVE X-RAY STUDY OF THE RADIATIVE RECOMBINATION OF U^{92+} IONS WITH COOLING ELECTRONS. , 2006, , .		1
142	Recent experimental developments for the Lamb shift investigation in heavy ions. Journal of Physics: Conference Series, 2007, 58, 407-410.	0.3	1
143	Radiative Electron Capture to Continuum (RECC) in $90\text{AMeV } U^{88+}(1s22s^2) + N_2$: the Short Wavelength Limit of Electron Nucleus Bremsstrahlung. Journal of Physics: Conference Series, 2007, 58, 307-310.	0.3	1
144	Experimental Developments for the Lamb-Shift Investigation in Heavy Ions. , 2009, , .		1

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145	Observation of enhancement in K-shell radiative recombination of U ⁹²⁺ ions with cooling electrons. Journal of Physics: Conference Series, 2009, 194, 062017.	0.3	1
146	Simulations of a Johann/Johansson diffraction spectrometer for x-ray experiments at an electron beam ion source. Physica Scripta, 2013, T156, 014101.	1.2	1
147	Dosimetry in radiobiological studies with the heavy ion beam of the Warsaw cyclotron. Nuclear Instruments & Methods in Physics Research B, 2015, 365, 404-408.	0.6	1
148	W and Tl M-shell X-ray production cross sections induced by carbon ions of energy between 1.56 MeV and 5 MeV. Nuclear Instruments & Methods in Physics Research B, 2020, 477, 34-38.	0.6	1
149	High-resolution wavelength-dispersive spectroscopy of K-shell transitions in hydrogen-like gold. X-Ray Spectrometry, 2020, 49, 204-208.	0.9	1
150	Analysis of the Biological Response in {CHO-K1} Cells to High LET Radiation. Acta Physica Polonica B, 2014, 45, 553.	0.3	1
151	X-ray spectroscopy of highly charged ions: application of position sensitive germanium detectors. , 0, , .		0
152	Radiative electron capture to continuum (RECC) and the short-wavelength limit of electron-nucleus Bremsstrahlung in near-relativistic collisions. Journal of Physics: Conference Series, 2007, 88, 012015.	0.3	0
153	Study of intra-L shell transitions in Be-like uranium. Journal of Physics: Conference Series, 2007, 58, 145-148.	0.3	0
154	Experimental Developments for the Lamb Shift Investigation in Heavy Ions (abstract). , 2009, , .		0
155	The satellites and hypersatellites of $L_{\pm 1}$ and $L_{\pm 2}$ x-ray transitions in zirconium excited by oxygen and neon ions. Journal of Physics: Conference Series, 2009, 194, 152012.	0.3	0
156	Equilibrium degree of K-, L- and M-shell ionizations of sulfur projectiles passing through solid targets. Physica Scripta, 2011, T144, 014018.	1.2	0
157	Spectral distribution of the $2S \rightarrow 1S$ two-photon transition in atoms and few-electron ions. Pramana - Journal of Physics, 2011, 76, 331-337.	0.9	0
158	Novel approach for studying two-photon transitions in heavy HCl. Journal of Physics: Conference Series, 2012, 388, 082001.	0.3	0
159	Electron- and Proton-Impact Excitation in Stored Hydrogenlike Uranium Ions. Journal of Physics: Conference Series, 2012, 388, 082035.	0.3	0
160	Enhanced radiative recombination of U ⁹²⁺ ions with cooling electrons for the K-shell. Journal of Physics: Conference Series, 2012, 388, 062044.	0.3	0
161	Radiative recombination of ions with electrons in cold magnetized plasma. Journal of Physics: Conference Series, 2012, 388, 062045.	0.3	0
162	Differential L-shell radiative recombination rate coefficients for bare uranium ions interacting with low-energy electrons. European Physical Journal: Special Topics, 2013, 222, 2317-2322.	1.2	0

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163	K-shell differential radiative recombination rates for bare uranium ions interacting with low-energy electrons. <i>Physica Scripta</i> , 2013, T156, 014045.	1.2	0
164	First observation of correlated photons emitted by heavy highly charged ions in the process of radiative recombination. <i>Journal of Physics: Conference Series</i> , 2014, 488, 082023.	0.3	0
165	Forward-angle electron spectroscopy in heavy-ion atom collisions studied at the ESR. <i>Journal of Physics: Conference Series</i> , 2015, 635, 022005.	0.3	0
166	X-ray spectroscopy of multicharged xenon ions at the EBIT plasma. <i>Journal of Physics: Conference Series</i> , 2015, 635, 052092.	0.3	0
167	First observation of coherence in a highly charged ion. <i>Journal of Physics: Conference Series</i> , 2015, 635, 022096.	0.3	0
168	Electron- and proton-impact excitation of He-like uranium. <i>Journal of Physics: Conference Series</i> , 2015, 635, 022063.	0.3	0
169	High-resolution spectroscopy of X-rays emitted from electron bombarded surfaces. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 354, 134-136.	0.6	0
170	Editorial "18th International Conference on the Physics of Highly Charged Ions (HCI-2016)". <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 408, 1-2.	0.6	0
171	Molecular effects in M-shell ionization by slow light ions. <i>Journal of Physics: Conference Series</i> , 2017, 875, 092022.	0.3	0
172	M-X-ray emission in interaction of slow highly charged Xe^{q+} ions ($q=26-40$) with metallic foils. <i>Journal of Physics: Conference Series</i> , 2017, 875, 112009.	0.3	0
173	Electronic wave function and binding effects in M-shell ionization of gold by protons. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 417, 15-18.	0.6	0
174	Biological effects of mixed-ion beams. Part 2: The relative biological effectiveness of CHO-K1 cells irradiated by mixed- and single-ion beams. <i>Applied Radiation and Isotopes</i> , 2019, 150, 192-198.	0.7	0
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176	Precision studies of fundamental atomic structure with heaviest few-electron ions. , 2011, , 59-69.		0