

Dariusz Banaś

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7931075/publications.pdf>

Version: 2024-02-01

176
papers

2,177
citations

279487

23
h-index

329751

37
g-index

176
all docs

176
docs citations

176
times ranked

1508
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of Crystal-Field Splitting Induced by Thermal Oxidation of Titanium. Journal of Physical Chemistry A, 2021, 125, 50-56.	1.1	5
2	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
3	Low-Angle X-Ray Spectroscopy and Reflectometry Techniques in Interdisciplinary Applications. Acta Physica Polonica A, 2021, 139, 247-256.	0.2	3
4	Angular Distribution of Characteristic Radiation Following the Excitation of He-Like Uranium in Relativistic Collisions. Atoms, 2021, 9, 20.	0.7	3
5	Electron loss to continuum cusp in collisions of U^{89+} with N	1.0	3
6	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
7	X-ray photoelectron spectroscopy analysis of chemically modified halloysite. Radiation Physics and Chemistry, 2020, 175, 108149.	1.4	13
8	W and Ti 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
9	High-resolution wavelength-dispersive spectroscopy of K-shell transitions in hydrogen-like gold. X-Ray Spectrometry, 2020, 49, 204-208.	0.9	1
10	Concept and simulations of a high-resolution asymmetric von Hamos X-ray spectrometer for CRYRING@ESR electron cooler. Journal of Physics: Conference Series, 2020, 1412, 132031.	0.3	0
11	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
12	Surface Properties of Halloysite-Carbon Nanocomposites and Their Application for Adsorption of Paracetamol. Materials, 2020, 13, 5647.	1.3	7
13	In situ 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
14	Radiative electron capture to the continuum in U^{89+} collisions: Experiment and theory. Physical Review A, 2020, 101, .		
15	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
16	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
17	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
18	Influence of target material impurities on physical results in relativistic heavy-ion collisions. European Physical Journal Plus, 2019, 134, 1.	1.2	7

#	ARTICLE	IF	CITATIONS
19	A DuMond-type crystal spectrometer for synchrotron-based X-ray emission studies in the energy range of 15–26 keV. <i>Review of Scientific Instruments</i> , 2019, 90, 063106.	0.6	5
20	Electron- and proton-impact excitation of heliumlike uranium in relativistic collisions. <i>Physical Review A</i> , 2019, 99, .	1.0	13
21	Archaeological applications of spectroscopic measurements. Compatibility of analytical methods in comparative measurements of historical Polish coins. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 135, 869-874.	2.5	10
22	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. <i>Thin Solid Films</i> , 2019, 671, 103-110.	0.8	8
23	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
24	New measurements of $M\pm 1^2$, $M\pm 1^3$ and total M-shell X-ray production cross sections induced by carbon ions on Bi and Pt targets. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 440, 180-185.	0.6	2
25	The correlation of crystalline and elemental composition of urinary stones with a history of bacterial infections: TXRF, XRPD and PCR-DGGE studies. <i>European Biophysics Journal</i> , 2019, 48, 111-118.	1.2	4
26	Analysis of Ti and TiO ₂ nanolayers by total reflection X-ray photoelectron spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 145, 43-50.	1.5	25
27	Multielemental Analysis of Tobacco Plant and Tobacco Products by TXRF. <i>Journal of Analytical Toxicology</i> , 2018, 42, 409-416.	1.7	10
28	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
29	Total reflection X-ray fluorescence medical applications: Elemental analysis of human urine. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 147, 121-131.	1.5	7
30	Wavelength-dispersive spectroscopy in the hard x-ray regime of a heavy highly-charged ion: the $1s$ Lamb shift in hydrogen-like gold. <i>New Journal of Physics</i> , 2018, 20, 073033.	1.2	17
31	Hypersatellite x-ray decay of hollow- $3d$ -shell atoms produced by heavy-ion impacts. <i>Physical Review A</i> , 2018, 98, .	1.0	9
32	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. <i>Applied Radiation and Isotopes</i> , 2018, 139, 304-309.	0.7	2
33	p-Nitrophenol flow hydrogenation with nano-Cu ₂ O grafted on polymeric resin. <i>Catalysis Communications</i> , 2017, 92, 61-64.	1.6	12
34	Modification of gold and titanium nanolayers using slow highly charged Xe q+ ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 408, 235-240.	0.6	9
35	Application of TXRF and XRPD techniques for analysis of elemental and chemical composition of human kidney stones. <i>X-Ray Spectrometry</i> , 2017, 46, 412-420.	0.9	19
36	Multiple ionization of Au by fast S q+ ions of energy 0.4–3.8 MeV/amu. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 408, 146-149.	0.6	2

#	ARTICLE	IF	CITATIONS
37	X-ray emission in interaction of highly charged xenon ions with Be foil. Journal of Physics: Conference Series, 2017, 810, 012050.	0.3	2
38	Synthesis, characterization and photocatalytic activity of TiO ₂ -halloysite and Fe ₂ O ₃ -halloysite nanocomposites for photodegradation of chloroanilines in water. Applied Clay Science, 2017, 149, 118-126.	2.6	42
39	Editorial "18th International Conference on the Physics of Highly Charged Ions (HCI-2016). Nuclear Instruments & Methods in Physics Research B, 2017, 408, 1-2.	0.6	0
40	Molecular effects in M-shell ionization by slow light ions. Journal of Physics: Conference Series, 2017, 875, 092022.	0.3	0
41	M-X-ray emission in interaction of slow highly charged Xe ^{q+} ions (q=26-40) with metallic foils. Journal of Physics: Conference Series, 2017, 875, 112009.	0.3	0
42	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
43	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
44	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
45	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
46	Investigation of Gold Nanolayer Properties Using X-Ray Reflectometry and Spectroscopic Ellipsometry Methods. Acta Physica Polonica A, 2016, 129, 233-236.	0.2	7
47	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
48	Coherent population of magnetic sublevels of $2p_{3/2}$ state in hydrogenlike uranium by radiative recombination. Physica Scripta, 2015, T166, 014027.	1.2	3
49	Forward-angle electron spectroscopy in heavy-ion atom collisions studied at the ESR. Journal of Physics: Conference Series, 2015, 635, 022005.	0.3	0
50	X-ray spectroscopy of multicharged xenon ions at the EBIT plasma. Journal of Physics: Conference Series, 2015, 635, 052092.	0.3	0
51	First observation of coherence in a highly charged ion. Journal of Physics: Conference Series, 2015, 635, 022096.	0.3	0
52	Electron- and proton-impact excitation of He-like uranium. Journal of Physics: Conference Series, 2015, 635, 022063.	0.3	0
53	Ground-state excitation of heavy highly-charged ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144006.	0.6	7
54	Crystal optics for precision x-ray spectroscopy on highly charged ions" conception and proof. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144010.	0.6	20

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	High-resolution spectroscopy of X-rays emitted from electron bombarded surfaces. Nuclear Instruments & Methods in Physics Research B, 2015, 354, 134-136.	0.6	0
58	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
59	Electron-capture-to-continuum cusp in U^{88+} collisions. Physical Review A, 2015, 91, .	1.0	20
60	Heavy Ion Beams for Radiobiology: Dosimetry and Nanodosimetry at HIL. Acta Physica Polonica A, 2015, 127, 1516-1519.	0.2	2
61	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
62	L X-ray emission induced by heavy ions. Nuclear Instruments & Methods in Physics Research B, 2015, 363, 19-23.	0.6	4
63	The effect of chemical modification on the physico-chemical characteristics of halloysite: FTIR, XRF, and XRD studies. Journal of Molecular Structure, 2015, 1084, 16-22.	1.8	108
64	First observation of correlated photons emitted by heavy highly charged ions in the process of radiative recombination. Journal of Physics: Conference Series, 2014, 488, 082023.	0.3	0
65	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
66	Electron-loss-to-continuum cusp in $U^{88+}N_2$ collisions. Physical Review A, 2014, 90, .	1.0	17
67	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
68	Observation of Coherence in the Time-Reversed Relativistic Photoelectric Effect. Physical Review Letters, 2014, 113, 113001.	2.9	28
69	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
70	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
71	Monte-Carlo simulations of the radiative recombination of ions with electrons in cold magnetized plasma. Physica Scripta, 2014, T161, 014001.	1.2	3
72	Investigation of the bystander effect in CHO-K1 cells. Reports of Practical Oncology and Radiotherapy, 2014, 19, S37-S41.	0.3	5

#	ARTICLE	IF	CITATIONS
73	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
74	X-ray Diffraction and Elemental Analysis of Medical and Environmental Samples. Acta Physica Polonica A, 2014, 125, 911-918.	0.2	12
75	Analysis of the Biological Response in {CHO-K1} Cells to High LET Radiation. Acta Physica Polonica B, 2014, 45, 553.	0.3	1
76	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
77	Probing nuclear properties by resonant atomic collisions between electrons and ions. Physica Scripta, 2013, T156, 014050.	1.2	23
78	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
79	Study of properties of chemically modified samples of halloysite mineral with X-ray fluorescence and X-ray powder diffraction methods. Radiation Physics and Chemistry, 2013, 93, 129-134.	1.4	26
80	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
81	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
82	Two-photon energy distribution from the decay of the $2s$ state in He-like uranium. Physical Review A, 2013, 87, .	1.0	8
83	Electron- and Proton-Impact Excitation of Hydrogenlike Uranium in Relativistic Collisions. Physical Review Letters, 2013, 110, 213201.	2.9	41
84	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
85	K-shell differential radiative recombination rates for bare uranium ions interacting with low-energy electrons. Physica Scripta, 2013, T156, 014045.	1.2	0
86	Satellite and hypersatellite structures of $L_{\pm 1}$ transitions in mid-Z hydrogenlike ions. Physical Review A, 2013, 88, .	1.0	10
87	Novel approach for studying two-photon transitions in heavy HCl. Journal of Physics: Conference Series, 2012, 388, 082001.	0.3	0
88	Electron- and Proton-Impact Excitation in Stored Hydrogenlike Uranium Ions. Journal of Physics: Conference Series, 2012, 388, 082035.	0.3	0
89	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
90	Radiative recombination of ions with electrons in cold magnetized plasma. Journal of Physics: Conference Series, 2012, 388, 062045.	0.3	0

#	ARTICLE	IF	CITATIONS
91	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
92	Polarization and anisotropic emission of K-shell radiation from heavy few electron ions 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
93	Equilibrium degree of K-, L- and M-shell ionizations of sulfur projectiles passing through solid targets. Physica Scripta, 2011, T144, 014018.	1.2	0
94	Precision studies of fundamental atomic structure with heaviest few-electron ions. Hyperfine Interactions, 2011, 199, 59-69.	0.2	6
95	Spectral distribution of the 2S \rightarrow 1 S two-photon transition in atoms and few-electron ions. Pramana - Journal of Physics, 2011, 76, 331-337.	0.9	0
96	Precision studies of fundamental atomic structure with heaviest few-electron ions. , 2011, , 59-69.		0
97	The physics program at the Kielce EBIS-A facility. Journal of Instrumentation, 2010, 5, C09005-C09005.	0.5	6
98	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
99	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
100	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
101	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
102	Spectral Shape of the Two-Photon Decay of the $2s^2 \rightarrow 2s1s$ State in He-Like Tin. Physical Review Letters, 2010, 104, 033001.	2.9	14
103	Experimental Developments for the Lamb-Shift Investigation in Heavy Ions. , 2009, , .		1
104	Observation of ultralow-level Al impurities on a silicon surface by high-resolution grazing emission x-ray fluorescence excited by synchrotron radiation. Physical Review B, 2009, 80, .	1.1	21
105	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
106	Experimental Developments for the Lamb Shift Investigation in Heavy Ions (abstract). , 2009, , .		0
107	Crystal optics for hard-X-ray spectroscopy of highly charged ions. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 736-743.	1.5	14
108	Cell survival and chromosomal aberrations in CHO-K1 cells irradiated by carbon ions. Applied Radiation and Isotopes, 2009, 67, 447-453.	0.7	6

#	ARTICLE	IF	CITATIONS
109	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
110	The enhancement effect in K-shell radiative recombination of U^{92+} ions with cooling electrons. European Physical Journal: Special Topics, 2009, 169, 15-18.	1.2	7
111	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
112	X-ray study of M -shell ionization of heavy atoms by 8.0-35.2-MeV O ions. The role of the multiple-ionization effects. Physical Review A, 2009, 79, .	1.0	23
113	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
114	The satellites and hypersatellites of $L_{1,2}$ x-ray transitions in zirconium excited by oxygen and neon ions. Journal of Physics: Conference Series, 2009, 194, 152012.	0.3	0
115	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
116	L-subshell ionization of heavy elements by S ions with energy of 0.4-3.8 MeV/amu. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2255-2258.	0.6	4
117	Coupling and binding-saturation effects in L -subshell ionization of heavy atoms by 0.3-1.3-MeV/amu Si ions. Physical Review A, 2008, 77, .	1.0	5
118	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
119	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
120	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
121	Radiative processes studied for bare uranium ions in collisions with H_2 . Journal of Physics: Conference Series, 2007, 58, 243-246.	0.3	3
122	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
123	Recent experimental developments for the Lamb shift investigation in heavy ions. Journal of Physics: Conference Series, 2007, 58, 407-410.	0.3	1
124	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
125	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
126	Study of intra-L shell transitions in Be-like uranium. Journal of Physics: Conference Series, 2007, 58, 145-148.	0.3	0

#	ARTICLE	IF	CITATIONS
127	Vacancy rearrangement processes in multiply ionized atoms. Journal of Physics: Conference Series, 2007, 58, 295-298.	0.3	5
128	Radiative Electron Capture to Continuum (RECC) in 90AMeV U88+(1s22s2) + N2: the Short Wavelength Limit of Electron Nucleus Bremsstrahlung. Journal of Physics: Conference Series, 2007, 58, 307-310.	0.3	1
129	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
130	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
131	Trace element concentration distributions in breast, lung and colon tissues. Physics in Medicine and Biology, 2007, 52, 3895-3911.	1.6	54
132	Current and future electron spectroscopy experiments in relativistic storage rings. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 218-221.	0.6	5
133	Radiative Electron Capture to the Continuum and the Short Wavelength Limit of Electron Nucleus Bremsstrahlung in $90\text{ MeV } A^{88+}$		

#	ARTICLE	IF	CITATIONS
145	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
146	Quantum Electrodynamics in Strong Electric Fields: The Ground-State Lamb Shift in Hydrogenlike Uranium. Physical Review Letters, 2005, 94, 223001.	2.9	185
147	Electron-Electron Interaction in Strong Electromagnetic Fields: The Two-Electron Contribution to the Ground-State Energy in He-like Uranium. Physical Review Letters, 2004, 92, 203004.	2.9	50
148	Angular Correlation and Polarization Studies for Radiative Electron Capture into High-Z Ions. Physica Scripta, 2004, 110, 384.	1.2	25
149	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
150	FOCAL: X-ray optics for accurate spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2004, 59, 1535-1542.	1.5	23
151	Closing of Coster-Kronig transitions in multiply ionised gold atoms. Nuclear Instruments & Methods in Physics Research B, 2003, 205, 139-143.	0.6	13
152	Observation of L-X-ray satellites and hypersatellites in collisions of O and Ne ions with Mo and Pd. Nuclear Instruments & Methods in Physics Research B, 2003, 205, 133-138.	0.6	22
153	Applications of position sensitive germanium detectors for X-ray spectroscopy of highly charged heavy ions. Nuclear Instruments & Methods in Physics Research B, 2003, 205, 210-214.	0.6	22
154	Concentration distribution of trace elements: from normal distribution to Lévy flights. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2003, 58, 717-724.	1.5	9
155	Comparative study of trace element contents in human full-term placenta and fetal membranes by total reflection X-ray fluorescence. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2003, 58, 725-734.	1.5	19
156	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
157	Multiple ionization and coupling effects in L-subshell ionization of heavy atoms by oxygen ions. Physical Review A, 2003, 68, .	1.0	34
158	Lamb Shift Experiments on High-Z One-Electron Systems. Lecture Notes in Physics, 2003, , 115-137.	0.3	1
159	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
160	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
161	PIXE and XRF analysis of honey samples. Nuclear Instruments & Methods in Physics Research B, 2002, 187, 231-237.	0.6	18
162	Multiple ionization effects in low-resolution X-ray spectra induced by energetic heavy ions. Nuclear Instruments & Methods in Physics Research B, 2002, 195, 233-246.	0.6	33

#	ARTICLE	IF	CITATIONS
163	High-Resolution Measurements of Th and U L ₂ -X-rays Induced by Energetic O Ions. Physica Scripta, 2001, T92, 382-384.	1.2	3
164	Determination of concentration distribution of trace elements near the detection limit. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2001, 56, 2037-2044.	1.5	10
165	Influence of detection limit on the measured concentration distribution of trace elements. X-Ray Spectrometry, 2001, 30, 348-352.	0.9	16
166	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
167	M-X-ray production cross-sections for 0.2 MeV deuterons. Nuclear Instruments & Methods in Physics Research B, 2000, 161-163, 191-195.	0.6	9
168	Solid state effects in L ₂ 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
169	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
170	Trace element load in cancer and normal lung tissue. Nuclear Instruments & Methods in Physics Research B, 1999, 150, 193-199.	0.6	37
171	Some aspects of statistical distribution of trace element concentrations in biomedical samples. Nuclear Instruments & Methods in Physics Research B, 1999, 150, 254-259.	0.6	26
172	M-shell X-ray production cross sections for PIXE applications. Nuclear Instruments & Methods in Physics Research B, 1999, 150, 33-39.	0.6	21
173	Multiple ionization of M- and N-shells in heavy atoms by O, Si and S ions. Nuclear Instruments & Methods in Physics Research B, 1999, 154, 247-251.	0.6	21
174	Multiple ionization in M-, N- and O-shell in collisions of O, S and S ions with heavy atoms. , 1999, , .		4
175	An elemental correlation study in cancerous breast tissue by total reflection x-ray fluorescence. Biological Trace Element Research, 1997, 60, 91-100.	1.9	40
176	X-ray spectroscopy of highly charged ions: application of position sensitive germanium detectors. , 0, , .		0