

Yuri A Litvinov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5766679/publications.pdf>

Version: 2024-02-01

367
papers

9,004
citations

47409

49
h-index

75989

78
g-index

372
all docs

372
docs citations

372
times ranked

2654
citing authors

#	ARTICLE	IF	CITATIONS
19	Mass measurements of ^{99}In challenge ab initio nuclear theory of the nuclide ^{100}Sn . Nature Physics, 2021, 17, 1099-1103.	6.5	21
20	Improving the resolving power of Isochronous Mass Spectrometry by employing an in-ring mechanical slit. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 138-142.	0.6	6
21	Towards experiments with highly charged ions at HESR. X-Ray Spectrometry, 2020, 49, 33-36.	0.9	3
22	Position sensitive resonant Schottky cavities for heavy ion storage rings. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 320-323.	0.6	3
23	A magnetic spectrometer for electron-positron pair spectroscopy in storage rings. X-Ray Spectrometry, 2020, 49, 115-119.	0.9	0
24	High-resolution wavelength-dispersive spectroscopy of K-shell transitions in hydrogen-like gold. X-Ray Spectrometry, 2020, 49, 204-208.	0.9	1
25	First on-line detection of radioactive fission isotopes produced by laser-accelerated protons. Scientific Reports, 2020, 10, 17183.	1.6	4
26	Heavy-ion storage rings and their use in precision experiments with highly charged ions. Progress in Particle and Nuclear Physics, 2020, 115, 103811.	5.6	50
27	First investigation of the response of solar cells to heavy ions above 1 AMeV. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 969, 163941.	0.7	2
28	Employing p+ ^{58}Ni elastic scattering for determination of K-shell ionization cross section of $^{58}\text{Ni}^{19+}$ in collisions with hydrogen gas target at 95 MeV/u. Nuclear Instruments & Methods in Physics Research B, 2020, 478, 46-49.	0.6	0
29	A 410 MHz resonant cavity pickup for heavy ion storage rings. Review of Scientific Instruments, 2020, 91, 083303.	0.6	9
30	Towards background-free studies of capture reactions in a heavy-ion storage ring. Journal of Physics: Conference Series, 2020, 1412, 232011.	0.3	0
31	Coulomb dissociation of ^{16}O into ^4He and ^{12}C . Journal of Physics: Conference Series, 2020, 1668, 012016.	0.3	2
32	Indirect measurements of neutron cross-section at heavy-ion storage rings. Journal of Physics: Conference Series, 2020, 1668, 012019.	0.3	2
33	Determination of luminosity for in-ring reactions: A new approach for the low-energy domain. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 982, 164367.	0.7	2
34	Excitation of baryonic resonances in stable medium-mass nuclei of Sn. Journal of Physics: Conference Series, 2020, 1667, 012036.	0.3	0
35	Towards background-free studies of capture reaction in a heavy-ion storage ring. Journal of Physics: Conference Series, 2020, 1668, 012046.	0.3	3
36	Mass measurements for the T_z -shell nuclei ^{40}Ti , ^{40}Ti .	1.1	10

#	ARTICLE	IF	CITATIONS
37	Software defined radio for Schottky analysis in storage rings. Journal of Physics: Conference Series, 2020, 1668, 012014.	0.3	1
38	Properties of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Ta} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 187 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Revealed through Isomeric Decay. Physical Review Letters, 2020, 125, 192505.	2.9	12
39	First Observation of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Xe} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ in collisions with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{H} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Radiative electron capture to the continuum in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{U} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 89 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ First Observation of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 82 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ Shell Closure below $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \text{Z} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 50 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ from Masses of Neutron-Rich Cadmium Isotopes and Isomers. Physical Review Letters, 2020, 124, 092502.	1.0	7
40	First Observation of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 82 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ Shell Closure below $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \text{Z} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 50 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ from Masses of Neutron-Rich Cadmium Isotopes and Isomers. Physical Review Letters, 2020, 124, 092502.	2.9	41
41	Nuclear physics research at heavy ion accelerators: Precision studies with stored and cooled exotic nuclei. Journal of Physics: Conference Series, 2020, 1401, 012001.	0.3	1
42	Revisiting the Analysis of the Isochronous Mass Measurements of Uranium Fission Fragments at the ESR. EPJ Web of Conferences, 2020, 227, 02012.	0.1	0
43	Roadmap on photonic, electronic and atomic collision physics: III. Heavy particles: with zero to relativistic speeds. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 171003.	0.6	22
44	Hyperfine structure and nuclear magnetic moments of the praseodymium isotopes 135,136,137Pr. Hyperfine Interactions, 2019, 240, 1.	0.2	1
45	Particle identification and revolution time corrections for the isochronous mass spectrometry in storage rings. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 941, 162331.	0.7	14
46	The magnetic toroidal sector as a broad-band electron-positron pair spectrometer I. lepton trajectories. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 946, 162641.	0.7	1
47	Scientific program of DERICA prospective accelerator and storage ring facility for radioactive ion beam research. Physics-Uspexhi, 2019, 62, 675-690.	0.8	20
48	Measurement of Ni58(p,p)Ni58 elastic scattering at low momentum transfer by using the HIRFL-CSR heavy-ion storage ring. Physical Review C, 2019, 100, .	1.1	16
49	The development of in-ring reaction measurements at the HIRFL-CSR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 948, 162848.	0.7	9
50	New test of modulated electron capture decay of hydrogen-like 142Pm ions: Precision measurement of purely exponential decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134800.	1.5	13
51	Towards the Limits of Existence of Nuclear Structure: Observation and First Spectroscopy of the Isotope K31 by Measuring Its Three-Proton Decay. Physical Review Letters, 2019, 123, 092502.	2.9	12
52	Beyond Wigner's isobaric multiplet mass equation: Effect of charge-symmetry-breaking interaction and Coulomb polarization. Physical Review C, 2019, 99, .	1.1	8
53	Neutron skin and signature of the N = 14 shell gap found from measured proton radii of 17A~22N. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 251-256.	1.5	23

#	ARTICLE	IF	CITATIONS
55	Lifetimes and $\langle i \rangle$ -factors of the HFS states in H-like and Li-like bismuth. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 085003.	0.6	2
56	Evaluation of high-precision atomic masses of $A \approx 50$ and rare-earth nuclides measured with ISOLTRAP. European Physical Journal A, 2019, 55, 1.	1.0	1
57	Nuclear-matter distribution in the proton-rich nuclei ${}^7\text{Be}$ and ${}^8\text{B}$ from intermediate energy proton elastic scattering in inverse kinematics. Nuclear Physics A, 2019, 989, 40-58.	0.6	28
58	Masses of neutron-rich ${}^{52}\text{Sc}$ and ${}^{54}\text{Sc}$ nuclides. Physical Review Letters, 2019, 122, 092701.	1.1	22
59	Radiative electron capture as a tunable source of highly linearly polarized x rays. Physical Review A, 2019, 99, .	1.0	8
60	The hyperfine puzzle of strong-field bound-state QED. Hyperfine Interactions, 2019, 240, 1.	0.2	5
61	Characterization of a double Time-Of-Flight detector system for accurate velocity measurement in a storage ring using laser beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 931, 52-59.	0.7	14
62	Approaching the Gamow Window with Stored Ions: Direct Measurement of ${}^{124}\text{Xe}(p, \beta^+)$ in the ESR Storage Ring. Physical Review Letters, 2019, 122, 092701.	2.9	38
63	Masses of ground and isomeric states of chromium configuration-dependent shell evolution in odd- Z indium isotopes. Physical Review C, 2019, 100, .	1.1	18
64	Denosing scheme based on singular-value decomposition for one-dimensional spectra and its application in precision storage-ring mass spectrometry. Physical Review E, 2019, 99, 063320.	0.8	5
65	Spectroscopy of excited states of unbound nuclei ${}^{29}\text{Ar}$ and ${}^{30}\text{Cl}$. Physical Review C, 2018, 97, .	1.1	8
66	Mass measurements of neutron-deficient Y, Zr, and Nb isotopes and their impact on rp and $i\frac{1}{2}p$ nucleosynthesis processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 358-363.	1.5	28
67	First application of combined isochronous and Schottky mass spectrometry: Half-lives of fully ionized ${}^{24}\text{Cr}$ and ${}^{53}\text{Fe}$ atoms. Physical Review C, 2018, 97, .	1.1	12
68	Detailed illustration of the accuracy of currently used nuclear-mass models. Atomic Data and Nuclear Data Tables, 2018, 119, 1-32.	0.9	27
69	Dynamic high energy density plasma environments at the National Ignition Facility for nuclear science research. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 033003.	1.4	47
70	Lorandite from Allchar as geochemical detector for pp-solar neutrinos. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 895, 62-73.	0.7	11
71	Halo structure of ${}^8\text{B}$ determined from intermediate energy proton elastic scattering in inverse kinematics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 200-204.	1.5	33
72	Comparison of electromagnetic and nuclear dissociation of ${}^{17}\text{Ne}$. Physical Review C, 2018, 97, .		7

#	ARTICLE	IF	CITATIONS
73	Lifetimes of relativistic heavy-ion beams in the High Energy Storage Ring of FAIR. Nuclear Instruments & Methods in Physics Research B, 2018, 421, 45-49.	0.6	9
74	Deep excursion beyond the proton dripline. I. Argon and chlorine isotope chains. Physical Review C, 2018, 98, .	1.1	17
75	Deep excursion beyond the proton dripline. II. Toward the limits of existence of nuclear structure. Physical Review C, 2018, 98, .	1.1	5
76	Precision mass measurements of short-lived nuclides at HIRFL-CSR in Lanzhou. Frontiers of Physics, 2018, 13, 1.	2.4	9
77	Electroweak Decays of Highly Charged Ions. EPJ Web of Conferences, 2018, 178, 01003.	0.1	4
78	Wavelength-dispersive spectroscopy in the hard x-ray regime of a heavy highly-charged ion: the $1s$ Lamb shift in hydrogen-like gold. New Journal of Physics, 2018, 20, 073033.	1.2	17
79	Masses of the ^{100}Zr and ^{100}Nb nuclei P	1.1	9
80	Isochronous mass measurements of ^{100}Zr and ^{100}Nb nuclei from projectile fragmentation of ^{100}Ni -shell	1.1	37
81	Experimental investigation of the transition energy E_{trans} in the isochronous mode of the HIRFL-CSR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 908, 388-393.	0.7	0
82	High-precision QEC values of superallowed $0^+ \rightarrow 0^+$ β^+ -emitters ^{46}Cr , ^{50}Fe and ^{54}Ni . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 20-24.	1.5	35
83	Laser spectroscopy measurement of the $2s$ -hyperfine splitting in lithium-like bismuth. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 085004.	0.6	16
84	High precision hyperfine measurements in Bismuth challenge bound-state strong-field QED. Nature Communications, 2017, 8, 15484.	5.8	82
85	Impact parameter sensitive study of inner-shell atomic processes in the experimental storage ring. Nuclear Instruments & Methods in Physics Research B, 2017, 408, 27-30.	0.6	5
86	Precision mass measurements of cesium isotopes – new entries in the ISOLTRAP chronicles. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 044004.	1.4	7
87	High-precision mass measurements of short-lived ^{100}Zr and ^{100}Nb nuclei ^{44}Ru	1.1	10
88	Nuclear-matter radius studies from ^{100}Zr and ^{100}Nb nuclei ^{58}Ni	1.1	30
89	Proton and ^3He capture studies for nuclear astrophysics at GSI storage rings. Journal of Physics: Conference Series, 2017, 875, 092015.	0.3	1
90	Penning-trap mass spectrometry and mean-field study of nuclear shape coexistence in the neutron-deficient lead region. Physical Review C, 2017, 95, .	1.1	12

#	ARTICLE	IF	CITATIONS
91	Statistical approaches to lifetime measurements with restricted observation times. Physical Review C, 2017, 96, .	1.1	4
92	Knockout and fragmentation reactions using a broad range of tin isotopes. Physical Review C, 2017, 96, .	1.1	12
93	http://www.w3.org/1998/Math/MathML <mml:math>P</mml:math> </mml:math> -decay half-lives and <mml:math>P</mml:math> </mml:math> -delayed neutron emission probabilities for several isotopes of Au, Hg, Tl, Pb, and Bi, beyond <mml:math>P</mml:math> </mml:math> <mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mo><mml:mn>126</mml:mn></mml:mrow></mml:math> Physical Review C, 2017, 95, .	1.1	22
94	Application of isochronous mass spectrometry for the study of angular momentum population in projectile fragmentation reactions. Physical Review C, 2017, 95, .	1.1	8
95	Studies at the border between nuclear and atomic physics: Weak decays of highly charged ions. Journal of Physics: Conference Series, 2017, 875, 012008.	0.3	3
96	Reactor neutrons in nuclear astrophysics. EPJ Web of Conferences, 2017, 146, 01003.	0.1	1
97	Geochemical Determination of the Solar pp-Neutrino Flux with LOREX: A Progress Report. Journal of Physics: Conference Series, 2017, 888, 012192.	0.3	3
98	SPARC experiments with highly charged ions at the HESR of FAIR. Journal of Physics: Conference Series, 2017, 875, 092013.	0.3	0
99	Constraining astrophysical reaction rates: using the storage rings at FAIR/GSI. EPJ Web of Conferences, 2017, 165, 01033.	0.1	1
100	Electromagnetic non-destructive detectors for storage rings. Journal of Physics: Conference Series, 2017, 875, 092014.	0.3	1
101	Spallation-based neutron target for direct studies of neutron-induced reactions in inverse kinematics. Physical Review Accelerators and Beams, 2017, 20, .	0.6	28
102	A Free-Neutron Target for Nuclear Reaction Studies. , 2017, , .		0
103	Nuclear reactions in the storage ring ESR with EXL. Journal of Physics: Conference Series, 2016, 724, 012026.	0.3	2
104	Nuclear lifetime measurements from data with independently varying observation times. EPJ Web of Conferences, 2016, 123, 04004.	0.1	1
105	Measurement of the $^{92,93,94,100}\text{Mo}(\hat{1}^3, n)$ reactions by Coulomb Dissociation. Journal of Physics: Conference Series, 2016, 665, 012034.	0.3	1
106	Experimental study of the $^{15}\text{O}(2^+p, \hat{1}^3)^{17}\text{Ne}$ cross section by Coulomb Dissociation for the $i>rp</i>$ process. Journal of Physics: Conference Series, 2016, 665, 012046.	0.3	1
107	Recent results on mass measurements of exotic nuclides in storage rings. Journal of Physics: Conference Series, 2016, 665, 012053.	0.3	1
108	Nuclear astrophysics with radioactive ions at FAIR. Journal of Physics: Conference Series, 2016, 665, 012044.	0.3	9

#	ARTICLE	IF	CITATIONS
109	Approaching the precursor nuclei of the third r-process peak with RIBs. Journal of Physics: Conference Series, 2016, 665, 012045.	0.3	3
110	Search for bound-state electron+positron pair decay. EPJ Web of Conferences, 2016, 123, 04003.	0.1	4
111	Odd-even staggering in yields of neutron-deficient nuclei produced by projectile fragmentation. Physical Review C, 2016, 94, .	1.1	16
112	First measurement of isoscalar giant resonances in a stored-beam experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 16-19.	1.5	20
113	New results from isochronous mass measurements of neutron-rich uranium fission fragments with the FRS-ESR-facility at GSI. European Physical Journal A, 2016, 52, 1.	1.0	35
114	An improvement of isochronous mass spectrometry: Velocity measurements using two time-of-flight detectors. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 311-315.	0.6	19
115	Proton Distribution Radii of C Features of Neutron Holes. Physical Review Letters, 2016, 117, 102501.	2.9	74
116	Physics book: CRYRING@ESR. European Physical Journal: Special Topics, 2016, 225, 797-882.	1.2	101
117	CsI Silicon Particle detector for Heavy ions Orbiting in Storage rings (CsISIPHOS). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 836, 1-6.	0.7	9
118	Strong asymmetry of the electron-loss-to-continuum cusp of multielectron U in near-relativistic collisions with gaseous targets. Physical Review A, 2016, 93, .	1.0	11
119	Coulomb dissociation of P_{27} at 500 MeV/u. Physical Review C, 2016, 93, .	1.1	6
120	First Measurement of Several I^2 -Delayed Neutron Emitting Isotopes Beyond $N=126$. Physical Review Letters, 2016, 117, 012501.	2.9	47
121	Parameter-free calculation of charge-changing cross sections at high energy. Physical Review C, 2016, 94, .	1.1	11
122	Identification of the Lowest T Isobaric Analog State in J^π . Physical Review Letters, 2016, 117, 182503.	2.9	34
123	Storage ring mass spectrometry for nuclear structure and astrophysics research. Physica Scripta, 2016, 91, 073002.	1.2	41
124	Coulomb and nuclear excitations of narrow resonances in ^{17}Ne . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 200-205.	1.5	11
125	Intensity-sensitive and position-resolving cavity for heavy-ion storage rings. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 826, 39-47.	0.7	13
126	Observation of large enhancements of charge exchange cross sections with neutron-rich carbon isotopes. Progress of Theoretical and Experimental Physics, 2016, 2016, 043D05.	1.8	5

#	ARTICLE	IF	CITATIONS
145	Investigation of the momentum compaction factor of the ESR through Schottky mass measurements. Physica Scripta, 2015, T166, 014045.	1.2	3
146	Investigation of the heavy-ion mode in the FAIR High Energy Storage Ring. Physica Scripta, 2015, T166, 014042.	1.2	4
147	Antiproton chain of the FAIR storage rings. Physica Scripta, 2015, T166, 014073.	1.2	2
148	Study of projectile fragmentation reaction with isochronous mass spectrometry. Physica Scripta, 2015, T166, 014009.	1.2	5
149	Prototype internal target design for storage ring experiments. Physica Scripta, 2015, T166, 014051.	1.2	8
150	Nuclear transfer reaction measurements at the ESR for the investigation of the astrophysical $^{15}\text{O}(\bar{p},\bar{n})^{14}\text{N}$ reaction. Physica Scripta, 2015, T166, 014007.	1.2	5
151	Atomic physics experiments at the high energy storage ring. Physica Scripta, 2015, T166, 014025.	1.2	8
152	Simulations of the isochronous mass spectrometry at the HIRFL-CSR. Physica Scripta, 2015, T166, 014044.	1.2	8
153	Coherent population of magnetic sublevels of $2\{m\}_p_{3/2}$ state in hydrogenlike uranium by radiative recombination. Physica Scripta, 2015, T166, 014027.	1.2	3
154	Neutron-induced reaction studies using stored ions. Physica Scripta, 2015, T166, 014008.	1.2	4
155	Forward-angle electron spectroscopy in heavy-ion atom collisions studied at the ESR. Journal of Physics: Conference Series, 2015, 635, 022005.	0.3	0
156	A continuous, broadband data acquisition for Schottky signals in atomic and nuclear physics experiments at heavy-ion storage rings. Journal of Physics: Conference Series, 2015, 635, 022085.	0.3	0
157	A lepton spectrometer for studies of fundamental atomic processes at HESR at FAIR. Journal of Physics: Conference Series, 2015, 635, 022087.	0.3	0
158	First observation of coherence in a highly charged ion. Journal of Physics: Conference Series, 2015, 635, 022096.	0.3	0
159	The magnetic toroidal sector: a broad-band electron-positron pair spectrometer. Journal of Physics: Conference Series, 2015, 635, 022046.	0.3	0
160	An improved value for the hyperfine splitting of hydrogen-like $^{209}\text{Bi}^{82+}$. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144022.	0.6	24
161	Radioactive decays of highly-charged ions. EPJ Web of Conferences, 2015, 93, 05003.	0.1	0
162	CRYRING@ESR: present status and future research. Physica Scripta, 2015, T166, 014075.	1.2	14

#	ARTICLE	IF	CITATIONS
163	First Nuclear Reaction Experiment with Stored Radioactive ^{56}Ni Beam and Internal Hydrogen and Helium Targets. , 2015, , .		7
164	Schottky Mass Spectrometry on ^{152}Sm Projectile Fragments. , 2015, , .		0
165	Measurements of neutron-induced reactions in inverse kinematics and applications to nuclear astrophysics. EPJ Web of Conferences, 2015, 93, 02013.	0.1	0
166	Laser spectroscopy of the ground-state hyperfine structure in H-like and Li-like bismuth. Journal of Physics: Conference Series, 2015, 583, 012002.	0.3	6
167	Crystal optics for precision x-ray spectroscopy on highly charged ionsâ€”conception and proof. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144010.	0.6	20
168	Between atomic and nuclear physics: radioactive decays of highly-charged ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144024.	0.6	16
169	A data analysis method for isochronous mass spectrometry using two time-of-flight detectors at CSRe. Chinese Physics C, 2015, 39, 106201.	1.5	10
170	Direct mass measurements of neutron-rich ^{86}Kr projectile fragments and the persistence of neutron magic number $N=32$ in Sc isotopes. Chinese Physics C, 2015, 39, 104001.	1.5	20
171	Forward-angle electron spectroscopy in heavy-ion atom collisions studied at the ESR. Journal of Physics: Conference Series, 2015, 635, 012011.	0.3	4
172	Electron emission spectra of $\text{U}28+$ ions colliding with gaseous targets. Journal of Physics: Conference Series, 2015, 635, 022049.	0.3	1
173	Investigation of the nuclear matter distribution of ^{56}Ni by elastic proton scattering in inverse kinematics. Physica Scripta, 2015, T166, 014005.	1.2	14
174	Coulomb Dissociation Experiment of ^{27}P . Acta Physica Polonica B, 2015, 46, 473.	0.3	0
175	Electron-capture-to-continuum cusp in U^{200}m . Physical Review A, 2015, 91, .		20
176	Increased isomeric lifetime of hydrogen-like Os^{192}m . Physical Review C, 2015, 91, .	1.1	12
177	Accuracy improvement in the isochronous mass measurement using a cavity doublet. Hyperfine Interactions, 2015, 235, 51-59.	0.2	8
178	Studies of continuum states in ^{16}Ne using three-body correlation techniques. European Physical Journal A, 2015, 51, 1.	1.0	10
179	Toward precision mass measurements of neutron-rich nuclei relevant to r-process nucleosynthesis. Frontiers of Physics, 2015, 10, 1-25.	2.4	25
180	Total projectile electron loss cross sections of $\text{U}^{28\text{m}+}$ in collisions with gaseous targets ranging from hydrogen to krypton. Physical Review Special Topics: Accelerators and Beams, 2015, 18, .	1.8	8

#	ARTICLE	IF	CITATIONS
199	Observation of the hyperfine transition in lithium-like bismuth. Bi 209 80 Towards a test of QED in strong magnetic fields. Physical Review A, 2014, 90, .	1.0	45
200	Predictive power of nuclear-mass models. Physical Review C, 2014, 90, .	1.1	26
201	\hat{I}^2 -decay and \hat{I}^2 -delayed Neutron Emission Measurements at GSI-FRS Beyond N 126 for r-process Nucleosynthesis. Nuclear Data Sheets, 2014, 120, 81-83.	0.7	10
202	Observation of Coherence in the Time-Reversed Relativistic Photoelectric Effect. Physical Review Letters, 2014, 113, 113001.	2.9	28
203	SPARC collaboration: new strategy for storage ring physics at FAIR. Hyperfine Interactions, 2014, 227, 45-53.	0.2	47
204	Accuracy of theoretical descriptions of nuclear masses. Physical Review C, 2014, 89, .	1.1	49
205	Exclusive measurements of nuclear breakup reactions of ^{17}Ne . EPJ Web of Conferences, 2014, 66, 03094.	0.1	0
206	First EXL experiment with stored radioactive beam: Proton scattering on ^{56}Ni . EPJ Web of Conferences, 2014, 66, 03093.	0.1	17
207	Strong-field physics using lasers and relativistic heavy ions at the high-energy storage ring hesr at fair. Journal of Physics: Conference Series, 2014, 488, 142003.	0.3	1
208	Laser cooling of stored relativistic ion beams with large momentum spreads using a laser system with a wide scanning range. Journal of Physics: Conference Series, 2014, 488, 122005.	0.3	5
209	Study of the $^{15}\text{O}(2p,\gamma)^{17}\text{Ne}$ Cross Section by Coulomb Dissociation of ^{17}Ne for the r -Process of Nucleosynthesis. Acta Physica Polonica B, 2014, 45, 229.	0.3	1
210	Mass and lifetime measurements at the experimental storage ring of GSI. International Journal of Mass Spectrometry, 2013, 349-350, 151-161.	0.7	30
211	ISOLTRAP's multi-reflection time-of-flight mass separator/spectrometer. International Journal of Mass Spectrometry, 2013, 349-350, 123-133.	0.7	140
212	Nuclear physics experiments with ion storage rings. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 603-616.	0.6	60
213	Nuclear physics with unstable ions at storage rings. Progress in Particle and Nuclear Physics, 2013, 73, 84-140.	5.6	76
214	Accurate mass measurements of exotic nuclei with the CSRe in Lanzhou. International Journal of Mass Spectrometry, 2013, 349-350, 162-171.	0.7	42
215	Optical measurement of the longitudinal ion distribution of bunched ion beams in the ESR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 711, 90-95.	0.7	14
216	Probing nuclear properties by resonant atomic collisions between electrons and ions. Physica Scripta, 2013, T156, 014050.	1.2	23

#	ARTICLE	IF	CITATIONS
217	Measurement of the Dipole Polarizability of the Unstable Neutron-Rich Nucleus ^{68}Ni . Physical Review Letters, 2013, 111, 242503.	2.9	155
218	Collective degrees of freedom of neutron-rich nuclei and the first mass measurement of the short-lived nuclide ^{100}Rb . Physical Review C, 2013, 88, .	1.1	25
219	Population of high-spin isomeric states following fragmentation of ^{238}U . Physical Review C, 2013, 88, .	1.1	21
220	High-resolution measurement of the time-modulated orbital electron capture and of the $^{142}\text{Pm}^{60+}$ decay of hydrogen-like $^{142}\text{Pm}^{60+}$ ions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 638-645.	1.5	31
221	The ILIMA project at FAIR. International Journal of Mass Spectrometry, 2013, 349-350, 247-254.	0.7	56
222	MASS MEASUREMENT OF ^{45}Cr AND ITS IMPACT ON THE Ca-Sc CYCLE IN X-RAY BURSTS. Astrophysical Journal Letters, 2013, 766, L8.	3.0	65
223	Few-body quantum dynamics of high- Z ions studied at the future relativistic high-energy storage ring. Physica Scripta, 2013, T156, 014086.	1.2	5
224	A resonant Schottky pickup for the study of highly charged ions in storage rings. Physica Scripta, 2013, T156, 014088.	1.2	15
225	Future experiments using forward electron spectroscopy to study the quantum dynamics of high-Z ions at the ESR/CRYRING storage rings. Physica Scripta, 2013, T156, 014087.	1.2	8
226	Beta decay of highly charged ions. Physica Scripta, 2013, T156, 014025.	1.2	6
227	Quality of theoretical masses in various regions of the nuclear chart. Physica Scripta, 2013, T154, 014001.	1.2	8
228	Half-life measurements of highly charged radionuclides. Physica Scripta, 2013, T156, 014026.	1.2	6
229	Direct Observation of Long-Lived Isomers in ^{212}Bi . Physical Review Letters, 2013, 110, 122502.	2.9	25
230	Schottky mass measurements of heavy neutron-rich nuclides in the element range ^{70}Z at the GSI Experimental Storage Ring. Physical Review C, 2013, 88, .	1.1	32
231	SPARC experiments at the high-energy storage ring. Physica Scripta, 2013, T156, 014085.	1.2	17
232	Impact of Precision Mass Measurements on Nuclear Physics and Astrophysics. Nuclear Physics News, 2013, 23, 18-23.	0.1	5
233	Hyperfine-induced effects on the linear polarization of ^{39}K from heliumlike ions. Physical Review A, 2013, 87, .	1.0	30
234	Test of IMME in pshell via direct mass measurements of nuclides. Journal of Physics: Conference Series, 2013, 420, 012054.	0.3	3

#	ARTICLE	IF	CITATIONS
253	Precision mass measurements for nuclear astro- and neutrino physics. Journal of Physics: Conference Series, 2012, 381, 012013.	0.3	5
254	Superaligned Gamow-Teller decay of the doubly magic nucleus ^{100}Sn . Nature, 2012, 486, 341-345.	13.7	147
255	Long-lived isomers in neutron-rich $Z=72$ nuclides. Physical Review C, 2012, 86, .	1.1	57
256	Weighing exotic nuclei for nuclear astrophysics. , 2012, , .		0
257	Nuclear-matter density distribution in the neutron-rich nuclei $^{12,14}\text{Be}$ from proton elastic scattering in inverse kinematics. Nuclear Physics A, 2012, 875, 8-28.	0.6	66
258	New results on mass measurements of stored neutron-rich nuclides in the element range from Pt to U with the FRS-ESR facility at. Nuclear Physics A, 2012, 882, 71-89.	0.6	64
259	Storage ring at HIE-ISOLDE. European Physical Journal: Special Topics, 2012, 207, 1-117.	1.2	101
260	Direct Mass Measurements of Short-Lived ^{63}Zn and ^{63}Ge . Physical Review Letters, 2011, 106, 112501.	2.9	156
261	Matter radii of ^{32}S and ^{35}S . Physical Review C, 2011, 83, .	1.1	32
262	Measurements of ground-state properties for nuclear structure studies by precision mass and laser spectroscopy. Journal of Physics: Conference Series, 2011, 312, 092001.	0.3	10
263	At the borderline between atomic and nuclear physics: two-body $\hat{\Gamma}^2$ -decay of highly charged ions. Physica Scripta, 2011, T144, 014001.	1.2	10
264	A fast and sensitive resonant Schottky pick-up for heavy ion storage rings. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 69-77.	0.7	77
265	Precision isochronous mass measurements at the storage ring CSRe in Lanzhou. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 213-218.	0.7	82
266	Energy loss and cooling of relativistic highly charged uranium ions interacting with an internal hydrogen droplet target beam. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 656, 1-4.	0.7	18
267	Orbital electron capture of hydrogen- and helium-like ions. Physical Review C, 2011, 84, .	1.1	24
268	Two-body beta decay of stored few-electron ions. Hyperfine Interactions, 2011, 199, 103-114.	0.2	4
269	The electron-ion scattering experiment ELISE at the International Facility for Antiproton and Ion Research (FAIR)-A conceptual design study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, 60-76.	0.7	85
270	First feasibility experiment for the EXL project with prototype detectors at the ESR storage ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 634, 77-84.	0.7	30

#	ARTICLE	IF	CITATIONS
271	Enhanced Schottky signals from electron-cooled, coasting beams in a heavy-ion storage ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 629, 1-5.	0.7	2
272	r-Process nucleosynthesis: Present status and future experiments at the FRS and ESR. Progress in Particle and Nuclear Physics, 2011, 66, 358-362.	5.6	22
273	SPARC: The Stored Particle Atomic Research Collaboration At FAIR. AIP Conference Proceedings, 2011, , .	0.3	24
274	Mass Measurements of Proton-rich Nuclides at the Cooler Storage Ring at IMP. , 2011, , .		4
275	Exploring the anomaly in the interaction cross section and matter radius of ^{23}O . Physical Review C, 2011, 84, .	1.1	52
276	Simulation and measurement of the resonant Schottky pickup. Chinese Physics C, 2011, 35, 1124-1129.	1.5	15
277	Beta decay of highly charged ions. Reports on Progress in Physics, 2011, 74, 016301.	8.1	110
278	Direct Mass Measurements of Short-Lived Nuclides at the Storage Ring Facility in Lanzhou. Nuclear Physics News, 2011, 21, 13-17.	0.1	7
279	Target dependence in the study of collective modes in stable and exotic Ni nuclei. Journal of Physics: Conference Series, 2010, 202, 012035.	0.3	0
280	$^{96}\text{Ru}(p, \hat{1}^3)^{97}\text{Rh}$ measurement at the GSI storage ring. Journal of Physics: Conference Series, 2010, 202, 012011.	0.3	33
281	MATS and LaSpec: High-precision experiments using ion traps and lasers at FAIR. European Physical Journal: Special Topics, 2010, 183, 1-123.	1.2	76
282	Resonant recombination at ion storage rings: a conceptual alternative for isotope shift and hyperfine studies. Hyperfine Interactions, 2010, 196, 115-127.	0.2	35
283	Structure of ^{33}Mg sheds new light on the $N < Z$ island of inversion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 685, 252-257.	1.5	36
284	Direct measurement of the 4.6 MeV isomer in stored bare ^{133}Sb ions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 294-297.	1.5	55
285	Discovery and investigation of heavy neutron-rich isotopes with time-resolved Schottky spectrometry in the element range from thallium to actinium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 691, 234-237.	1.5	61
286	Observation of non-exponential orbital electron-capture decay of stored hydrogen-like ions. Progress in Particle and Nuclear Physics, 2010, 64, 435-438.	5.6	12
287	Two-body beta decay of stored highly-charged ions. Nuclear Physics A, 2010, 834, 432c-435c.	0.6	8
288	Precise measurement of nuclear isomers in the storage ring at GSI. Nuclear Physics A, 2010, 834, 476c-478c.	0.6	22

#	ARTICLE	IF	CITATIONS
289	Discovery of Highly Excited Long-Lived Isomers in Neutron-Rich Hafnium and Tantalum Isotopes through Direct Mass Measurements. <i>Physical Review Letters</i> , 2010, 105, 172501.	2.9	68
290	Spectroscopy of proton-unbound nuclei by tracking their decay products in-flight: One- and two-proton decays of ^{15}F , ^{16}Ne , and ^{19}Na . <i>Physical Review C</i> , 2010, 82, .	1.1	43
291	From J. J. Thomson to FAIR, what do we learn from Large-Scale Mass and Half-Life Measurements of Bare and Few-Electron Ions?. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	7
292	Resonant recombination at ion storage rings: a conceptual alternative for isotope shift and hyperfine studies. , 2010, , 115-127.		0
293	Shell Closure $N=16$ in ^{24}O . , 2009, , .		1
294	One-Neutron Removal Measurement Reveals ^{24}O as a New Doubly Magic Nucleus. <i>Physical Review Letters</i> , 2009, 102, 152501.	2.9	184
295	Schottky Mass Measurement of the ^{208}Hg Isotope: Implication for the Proton-Neutron Interaction Strength around Doubly Magic ^{208}Pb . <i>Physical Review Letters</i> , 2009, 102, 122503.	2.9	55
296	Publisher's Note: Schottky Mass Measurement of the ^{208}Hg Isotope: Implication for the Proton-Neutron Interaction Strength around Doubly Magic ^{208}Pb [<i>Phys. Rev. Lett.</i> 102, 122503 (2009)]. <i>Physical Review Letters</i> , 2009, 102, .	2.9	1
297	Let's go beyond the proton drip line: ^{15}N and ^{15}Ne .	1.1	37
298	LARGE-SCALE MASS MEASUREMENTS OF SHORT-LIVED NUCLIDES WITH THE ISOCRONOUS MASS SPECTROMETRY AT GSI. <i>International Journal of Modern Physics E</i> , 2009, 18, 346-351.	0.4	20
299	MASS AND LIFETIME MEASUREMENTS AT THE PRESENT ESR FACILITY. <i>International Journal of Modern Physics E</i> , 2009, 18, 323-334.	0.4	22
300	FIRST FEASIBILITY STUDY FOR EXL WITH PROTOTYPE DETECTORS AT THE ESR AND DETECTOR SIMULATIONS. <i>International Journal of Modern Physics E</i> , 2009, 18, 524-530.	0.4	18
301	Identification of Time-of-Flight spectra for Isochronous Mass Measurements. <i>Chinese Physics C</i> , 2009, 33, 161-163.	1.5	1
302	Orbital electron capture decay of hydrogen- and helium-like ^{142}Pm ions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 679, 36-40.	1.5	46
303	Isotope shifts in dielectronic recombination: From stable to in-flight-produced nuclei. <i>Journal of Physics: Conference Series</i> , 2009, 194, 012023.	0.3	26
304	Pygmy Dipole Strength in Exotic Nuclei and the Equation of State. , 2009, , .		0
305	Electron Screening Effects on β^\pm -decay. , 2009, , .		7
306	Observation of non-exponential orbital electron capture decays of hydrogen-like ^{140}Pr and ^{142}Pm ions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 664, 162-168.	1.5	108

#	ARTICLE	IF	CITATIONS
307	Experiments with the FRS facility at GSI. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4176-4182.	0.6	10
308	Online test of the FRS Ion Catcher at GSI. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4493-4497.	0.6	22
309	Mass and Half-life Measurements of Stored Exotic Nuclei at the FRS-ESR Facility. Nuclear Physics A, 2008, 805, 260c-269c.	0.6	20
310	Nuclear structure studies of short-lived neutron-rich nuclei with the novel large-scale isochronous mass spectrometry at the FRS-ESR facility. Nuclear Physics A, 2008, 812, 1-12.	0.6	132
311	$\hat{I}\pm$ -decay half-lives for neutral atoms and bare nuclei. Physical Review C, 2008, 78, .	1.1	23
312	Study of dipole excitations and the single particle structure of neutron rich Ni isotopes. AIP Conference Proceedings, 2008, , .	0.3	0
313	Masses of Short-Lived Nuclides: Precision Measurement Techniques and Applications. Nuclear Physics News, 2008, 18, 29-34.	0.1	4
314	Application of the relativistic mean-field mass model to the r -process and the influence of mass uncertainties. Physical Review C, 2008, 78, .	1.1	77
315	Mg and ^{19}Mg and Ne and ^{16}Ne	1.1	71
316	Orbital electron capture decay of hydrogen- and helium-like ions. Physical Review C, 2008, 77, .	1.1	38
317	New Developments for Isochronous Mass Measurements of Short-Lived Nuclei. AIP Conference Proceedings, 2007, , .	0.3	3
318	Mass and Lifetime Measurements in Storage Rings. AIP Conference Proceedings, 2007, , .	0.3	5
319	Observation of Two-Proton Radioactivity of ^{19}Mg by Tracking the Decay Products. Physical Review Letters, 2007, 99, 182501.	2.9	129
320	Gas-solid difference in charge-changing cross sections for bare and H-like nickel ions at 200 MeV α . Physical Review A, 2007, 75, .	1.0	18
321	Orbital Electron-Capture Decay Rates in Fully Ionized, Hydrogenlike, and Heliumlike Ions. Physical Review Letters, 2007, 99, 062501.	2.9	97
322	Status of the Experimental Program on Mass Measurements of Stored Exotic Nuclei at the FRS-ESR Facility. Nuclear Physics A, 2007, 787, 315-320.	0.6	15
323	Discovery of a new long-lived isomeric state in ^{125}Ce . European Physical Journal A, 2007, 31, 393-394.	1.0	41
324	Present and future experiments with stored exotic nuclei at the FRS-ESR facility. European Physical Journal: Special Topics, 2007, 150, 109-115.	1.2	39

#	ARTICLE	IF	CITATIONS
325	The status of the Super-FRS at FAIR. European Physical Journal: Special Topics, 2007, 150, 263-264.	1.2	4
326	Feasibility studies of the EXL setup for FAIR using the GSI storage ring ESR. European Physical Journal: Special Topics, 2007, 150, 357-358.	1.2	7
327	Isobar separation at FRS-ESR " a development towards pure isomeric stored beams. , 2007, , 217-222.		0
328	A new experimental approach for isochronous mass measurements of short-lived exotic nuclei with the FRS-ESR facility. , 2007, , 205-210.		0
329	Direct mass measurements of neutron-deficient ^{152}Sm projectile fragments at the FRS-ESR facility. , 2007, , 211-216.		0
330	Applications of Schottky Spectroscopy at the Storage Ring ESR of GSI. AIP Conference Proceedings, 2006, , .	0.3	4
331	Experiments with stored exotic nuclei at relativistic energies. International Journal of Mass Spectrometry, 2006, 251, 212-219.	0.7	51
332	Gas "solid effect in mean charge and slowing down of uranium ions at 60.2 and 200MeV/u. Nuclear Instruments & Methods in Physics Research B, 2006, 245, 32-35.	0.6	10
333	A new experimental approach for isochronous mass measurements of short-lived exotic nuclei with the FRS-ESR facility. Hyperfine Interactions, 2006, 173, 49-54.	0.2	53
334	Direct mass measurements of neutron-deficient ^{152}Sm projectile fragments at the FRS-ESR facility. Hyperfine Interactions, 2006, 173, 55-60.	0.2	25
335	Isobar separation at FRS-ESR " a development towards pure isomeric stored beams. Hyperfine Interactions, 2006, 173, 61-66.	0.2	25
336	The Antiproton-Ion-Collider at FAIR. AIP Conference Proceedings, 2006, , .	0.3	6
337	Present and Future Experiments with Stored Exotic Nuclei at Relativistic Energies. AIP Conference Proceedings, 2006, , .	0.3	18
338	$K^{\pi}=0^{+}2.29$ s isomer in neutron-rich ^{174}Tm . Physical Review C, 2006, 73, .	1.1	11
339	EXPLORING LONG-LIVED K-ISOMERS VIA SCHOTTKY-MASS-SPECTROMETRY AT THE ESR. International Journal of Modern Physics E, 2006, 15, 1645-1651.	0.4	9
340	Mass measurement of cooled neutron-deficient bismuth projectile fragments with time-resolved Schottky mass spectrometry at the FRS-ESR facility. Nuclear Physics A, 2005, 756, 3-38.	0.6	581
341	Discovery of a new 2.3 s isomer in neutron-rich ^{174}Tm . European Physical Journal A, 2005, 25, 125-126.	1.0	6
342	High-resolution $\hat{\gamma}$ -ray spectroscopy: a versatile tool for nuclear $\hat{\gamma}$ -decay studies at TRIUMF-ISAC. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1491-S1498.	1.4	35

#	ARTICLE	IF	CITATIONS
343	Publisher's Note: Simultaneous Measurement of ^{22}F Decay to Bound and Continuum Electron States [Phys. Rev. Lett. 95, 052501 (2005)]. Physical Review Letters, 2005, 95, .	2.9	3
344	Precision experiments with relativistic exotic nuclei at GSI. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1779-S1783.	1.4	55
345	Isospin Dependence in the Odd-Even Staggering of Nuclear Binding Energies. Physical Review Letters, 2005, 95, 042501.	2.9	48
346	Simultaneous Measurement of ^{22}F Decay to Bound and Continuum Electron States. Physical Review Letters, 2005, 95, 052501.	2.9	68
347	Study of Basic Nuclear Properties of Highly-Charged, Unstable Nuclei at the SIS-FRS-ESR Complex. Acta Physica Hungarica A Heavy Ion Physics, 2004, 19, 165-170.	0.4	4
348	Precision experiments with time-resolved Schottky mass spectrometry. Nuclear Physics A, 2004, 734, 473-476.	0.6	67
349	New results with stored exotic nuclei at relativistic energies. Nuclear Physics A, 2004, 746, 150-155.	0.6	56
350	Direct mass measurement of bare short-lived ^{44}V , ^{48}Mn , ^{41}Ti and ^{45}Cr ions with isochronous mass spectrometry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 586, 27-33.	1.5	99
351	Precision experiments with time-resolved Schottky mass spectrometry. , 2004, 734, 473-473.		2
352	Observation of a dramatic hindrance of the nuclear decay of isomeric states for fully ionized atoms. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 573, 80-85.	1.5	74
353	Energy and range focusing of in-flight separated exotic nuclei – A study for the energy-buncher stage of the low-energy branch of the Super-FRS. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 119-123.	0.6	39
354	Mass measurements of relativistic exotic nuclei at the FRS-ESR facility at GSI. , 2003, , 45-45.		0
355	Energy-loss straggling of (200–1000) MeV/u uranium ions. Nuclear Instruments & Methods in Physics Research B, 2002, 193, 1-7.	0.6	20
356	Mass mapping of a new area of neutron-deficient suburanium nuclides. Nuclear Physics A, 2002, 697, 92-106.	0.6	160
357	Mass and lifetime measurements at the storage ring ESR. Nuclear Physics A, 2002, 701, 561-564.	0.6	19
358	Progress in mass measurements of stored exotic nuclei at relativistic energies. Nuclear Physics A, 2001, 685, 115-126.	0.6	21
359	Schottky Mass Measurements of Cooled Exotic Nuclei. Hyperfine Interactions, 2001, 132, 281-287.	0.2	24
360	Isochronous Mass Measurements of Hot Exotic Nuclei. Hyperfine Interactions, 2001, 132, 289-295.	0.2	84

#	ARTICLE	IF	CITATIONS
361	A New Concept for Time-of-Flight Mass Spectrometry with Slowed-down Short-Lived Isotopes. Hyperfine Interactions, 2001, 132, 527-530.	0.2	14
362	A New Concept for Time-of-Flight Mass Spectrometry with Slowed-down Short-Lived Isotopes. , 2001, , 531-534.		1
363	Isochronous Mass Measurements of Hot Exotic Nuclei. , 2001, , 291-297.		0
364	Schottky Mass Measurements of Cooled Exotic Nuclei. , 2001, , 283-289.		4
365	Schottky mass measurements of stored and cooled neutron-deficient projectile fragments in the element range of $57 \leq Z \leq 84$. Nuclear Physics A, 2000, 677, 75-99.	0.6	157
366	Mass measurements of stored exotic nuclei at relativistic energies. , 1999, , .		5
367	Mass measurements of relativistic projectile fragments in the storage ring ESR. Pramana - Journal of Physics, 1999, 53, 609-618.	0.9	8