

# Takayuki Yamaguchi

## List of Publications by Year in descending order

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144  
papers

8,613  
citations

101543

36  
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42399

92  
g-index

144  
all docs

144  
docs citations

144  
times ranked

5003  
citing authors

#	ARTICLE	IF	CITATIONS
1	Precision measurement of the transition energy $\gamma_{1^3}$ versus magnetic rigidity for storage-ring isochronous mass spectrometry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1027, 166329.	1.6	5
2	One-Neutron Removal Cross Sections for $^{16}\text{N}$ Isomeric State. Few-Body Systems, 2022, 63, 1. First Application of Mass Measurements with the Rare-RI Ring Reveals the Solar	1.5	1
3	$r$ -Process Abundance Trend at $A < 122$ and	7.8	16
4	Development and operation of an electrostatic time-of-flight detector for the Rare RI storage Ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 986, 164713.	1.6	5
5	In-ring velocity measurement for isochronous mass spectrometry. Physical Review Accelerators and Beams, 2021, 24, .	1.6	13
6	Development of Mirror-type MCP Detectors for Mass Measurements at the Rare-RI Ring. , 2021, , .		0
7	Basic Study on Delta Ray Detection for the Determination of In-Ring Revolution Time. , 2021, , .		0
8	First Demonstration of Mass Measurements for Exotic Nuclei Using Rare-RI Ring. , 2021, , .		2
9	Status of the Laser Spectroscopy and Merged-beam Experiments at RICE. , 2021, , .		0
10	Masses of exotic nuclei. Progress in Particle and Nuclear Physics, 2021, 120, 103882.	14.4	31
11	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.	1.4	6
12	Energy dependence of total reaction cross sections for $^{17}\text{Ne}$ on a proton target. Nuclear Physics A, 2020, 994, 121663.	1.5	7
13	Development of a Method to Deduce Point-proton Radii from Charge Changing Cross Sections. , 2020, , .		0
14	Possibility to Employ Nucleon Pickup Cross Sections to Look into Nucleon Momentum Distributions in Nuclei. , 2020, , .		0
15	Radiative cooling dynamics of isolated $N_2$ Mass measurements for other	2.5	2
16	$f_p$ -shell nuclei	2.9	10
17	Swelling of Doubly Magic $\text{Ca}_{48}$ Core in Ca Isotopes beyond $N=28$ . Physical Review Letters, 2020, 124, 102501.	7.8	35
18	Nuclear physics research at heavy ion accelerators: Precision studies with stored and cooled exotic nuclei. Journal of Physics: Conference Series, 2020, 1401, 012001.	0.4	1

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19	Photodissociation spectroscopy of N <sub>2</sub> O <sup>+</sup> in the ion storage ring RICE. Journal of Chemical Physics, 2020, 153, 184305.	3.0	1
20	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.	1.6	9
21	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.	4.1	13
22	Scheme of high-resolution identification and selection of secondary ions for mass measurements with the Rare-RI Ring. Hyperfine Interactions, 2019, 240, 1.	0.5	0
23	Masses of neutron-rich $^{52}\text{Sc}$ and $^{54}\text{Sc}$ isotopes. Physical Review C, 2019, 100, 014301.	2.9	22
24	Masses of ground and isomeric states of $^{101}\text{In}$ and $^{101}\text{In}^m$ isotopes. Physical Review C, 2019, 100, 014302.	2.9	18
25	Mass measurements of neutron-deficient Y, Zr, and Nb isotopes and their impact on rp and $\beta$ -delayed nucleosynthesis processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 358-363.	4.1	28
26	Determination of Fusion Barrier Distributions from Quasielastic Scattering Cross Sections towards Superheavy Nuclei Synthesis. Journal of the Physical Society of Japan, 2018, 87, 014201.	1.6	19
27	Isochronous mass measurements of $^{101}\text{In}$ and $^{101}\text{In}^m$ isotopes. Physical Review C, 2018, 98, 014301.	2.9	9
28	Shell effects in the fragmentation of $^{208}\text{Pb}$ nuclei from projectile fragmentation of $^{208}\text{Pb}$ nuclei. Physical Review C, 2018, 98, 014302.	2.9	37
29	High-precision QEC values of superallowed $0^+ \rightarrow 0^+$ $\beta^+$ -emitters $^{46}\text{Cr}$ , $^{50}\text{Fe}$ and $^{54}\text{Ni}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 20-24.	4.1	35
30	Measurements of Interaction Cross Sections for $^{19}\text{F}$ Isotopes. , 2017, , .		0
31	Measurements of Reaction Cross Sections for $^{9}\text{Be}$ Isotopes. , 2017, , .		0
32	Study of the Reaction $^{48}\text{Ca} + ^{248}\text{Cm} \rightarrow ^{296}\text{Lv}^* + \dots$ at RIKEN-GARIS. Journal of the Physical Society of Japan, 2017, 86, 034201.	1.6	31
33	Investigations of charge-changing processes for light proton-rich nuclei on carbon and solid-hydrogen targets. Nuclear Physics A, 2017, 961, 142-153.	1.5	8
34	Half-life measurement of short-lived $^{44}\text{Ru}$ using isochronous mass spectrometry. Physical Review C, 2017, 96, 014301.	2.9	10
35	Nuclear-matter radius studies from $^{58}\text{Ni}$ experiments at the GSI Experimental Storage Ring with the EXL facility. Physical Review C, 2017, 96, 014302.	2.9	30
36	Application of isochronous mass spectrometry for the study of angular momentum population in projectile fragmentation reactions. Physical Review C, 2017, 95, .	2.9	8

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37	Studies at the border between nuclear and atomic physics: Weak decays of highly charged ions. Journal of Physics: Conference Series, 2017, 875, 012008.	0.4	3
38	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.	4.1	20
39	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.	2.5	35
40	First direct mass measurements of stored neutron-rich $^{129,130,131}\text{Cd}$ isotopes with FRS-ESR. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 288-293.	4.1	22
41	Identification of the Lowest $T < 2 >$ , $J^{\pi} < \epsilon >$ Isobaric Analog State in $^{34}\text{S}$ . Physical Review Letters, 2016, 117, 182503.	7.8	34
42	Experiments with Stored Highly Charged Ions at the Border between Atomic and Nuclear Physics. Physics Procedia, 2015, 66, 28-38.	1.2	0
43	Velocity-dependent transverse momentum distribution of fragments produced from $\text{Ar}^{40} + \text{Be}^9$ at $95 \text{ \AA MeV/nucleon}$ . Physical Review C, 2015, 92, .	2.9	3
44	Study of projectile fragmentation reaction with isochronous mass spectrometry. Physica Scripta, 2015, T166, 014009.	2.5	5
45	Isochronous field study of the Rare-RI Ring. Physica Scripta, 2015, T166, 014047.	2.5	1
46	Performance of a Resonant Schottky Pick-Up for the Rare-RI Ring Project. , 2015, , .		0
47	Radioactive decays of highly-charged ions. EPJ Web of Conferences, 2015, 93, 05003.	0.3	0
48	First Nuclear Reaction Experiment with Stored Radioactive $^{56}\text{Ni}$ Beam and Internal Hydrogen and Helium Targets. , 2015, , .		7
49	Between atomic and nuclear physics: radioactive decays of highly-charged ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144024.	1.5	16
50	Direct mass measurements of neutron-rich $^{86}\text{Kr}$ projectile fragments and the persistence of neutron magic number $N = 32$ in Sc isotopes. Chinese Physics C, 2015, 39, 104001.	3.7	20
51	Increased isomeric lifetime of hydrogen-like $^{192}\text{Os}$ . Physical Review C, 2015, 91, .	2.9	12
52	Nucleon Density Distribution of the Proton Drip-Line Nucleus $^{12}\text{N}$ Studied via Reaction Cross Sections. , 2015, , .		1
53	Reaction Cross Sections for $^8\text{He}$ and $^{14}\text{B}$ on Proton target for the Separation of Proton and Neutron Density Distributions. , 2015, , .		0
54	Production of Spin Polarized $^{58}\text{Cu}$ and its Magnetic Moment. , 2015, , .		0

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55	Pulse Shape Analysis Using Flash-ADC for Short-Lived Decay of Superheavy Elements. , 2015, , .		0
56	Charge-changing interactions probing point-proton radii of nuclei. EPJ Web of Conferences, 2014, 66, 03099.	0.3	1
57	Charge and frequency resolved isochronous mass spectrometry and the mass of $^{51}\text{Co}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 327-331.	4.1	49
58	Evidence of halo structure in $^{37}\text{Mg}$ observed via reaction cross sections and intruder orbitals beyond the island of inversion. Physical Review C, 2014, 90, .	2.9	68
59	Structure of $^{30}\text{Ne}$ . Physical Review C, 2014, 90, .	2.9	15
60	Structure of $^{8}\text{Li}$ from a reaction cross-section measurement. Physical Review C, 2014, 90, .	2.9	17
61	A timing detector with pulsed high-voltage power supply for mass measurements at CSRe. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 755, 38-43.	1.6	21
62	Time-of-flight detectors with improved timing performance for isochronous mass measurements at the CSRe. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 756, 1-5.	1.6	33
63	Storage-Ring Mass Spectrometry in Japan. , 2014, , .		0
64	Nuclear physics experiments with ion storage rings. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 603-616.	1.4	60
65	Density distributions of $^{11}\text{Li}$ deduced from reaction cross-section measurements. Physical Review C, 2013, 88, .	2.9	31
66	The challenge of precision mass measurements of short-lived exotic nuclei: Development of a new storage ring mass spectrometry. International Journal of Mass Spectrometry, 2013, 349-350, 240-246.	1.5	32
67	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.		
68	Performance of high-resolution position-sensitive detectors developed for storage-ring decay experiments. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 697-700.	1.4	3
69	Construction of rare-RI ring at RIKEN RI Beam Factory. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 629-635.	1.4	25
70	Systematic study of individual charge-changing cross sections of intermediate-energy secondary beams. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 774-778.	1.4	10
71	MASS MEASUREMENT OF $^{45}\text{Cr}$ AND ITS IMPACT ON THE Ca-Sc CYCLE IN X-RAY BURSTS. Astrophysical Journal Letters, 2013, 766, L8.	8.3	65
72	Beta decay of highly charged ions. Physica Scripta, 2013, T156, 014025.	2.5	6

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73	Half-life measurements of highly charged radionuclides. Physica Scripta, 2013, T156, 014026.	2.5	6
74	Direct Observation of Long-Lived Isomers in $^{212}\text{Bi}$ . Physical Review Letters, 2013, 110, 122502.	7.8	25
75	Schottky mass measurements of heavy neutron-rich nuclides in the element range $Z=70$ to $Z=88$ . Physical Review C, 2013, 88, .	2.9	32
76	New Result on the Production of $^{277}\text{Cn}$ by the $^{208}\text{Pb} + ^{70}\text{Zn}$ Reaction. Journal of the Physical Society of Japan, 2013, 82, 024202.	1.6	13
77	Test of IMME infpshell via direct mass measurements of nuclides. Journal of Physics: Conference Series, 2013, 420, 012054.	0.4	3
78	SUPERHEAVY ELEMENT SEARCH AT RIKEN "NEW RESULT IN THE PRODUCTION AND DECAY OF AN ISOTOPE, $^{278}\text{113}$ , OF THE 113TH ELEMENT. , 2013, , .		0
79	Technique for Resolving Low-lying Isomers in the Experimental Storage Ring (ESR) and the Occurrence of an Isomeric State in $^{192}\text{Re}$ . Journal of Physics: Conference Series, 2012, 381, 012058.	0.4	11
80	New Result in the Production and Decay of an Isotope, $^{278}\text{113}$ , of the 113th Element. Journal of the Physical Society of Japan, 2012, 81, 103201.	1.6	179
81	Half-life measurements of stored fully ionized and hydrogen-like $^{41}\text{Ti}$ . Physical Review Letters, 2012, 108, 152501.	7.8	94
82	Half-life measurements of stored fully ionized and hydrogen-like $^{122}\text{I}$ ions. European Physical Journal A, 2012, 48, 1.	2.5	27
83	Long-lived isomers in neutron-rich $Z=72$ nuclides. Physical Review C, 2012, 86, .	2.9	57
84	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.	1.5	64
85	Interaction cross sections for Ne isotopes towards the island of inversion and halo structures of $^{29}\text{Ne}$ and $^{31}\text{Ne}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 357-361.	4.1	118
86	Storage ring at HIE-ISOLDE. European Physical Journal: Special Topics, 2012, 207, 1-117.	2.6	101
87	Test of the conserved vector current hypothesis by a $^{12}\text{C}$ -ray angular distribution Direct Mass Measurements of Short-Lived $^{12}\text{C}$ . Physical Review C, 2011, 83, .	2.9	15
88	At the borderline between atomic and nuclear physics: two-body $^{63}\text{Ge}$ $\beta^2$ -decay of highly charged ions. Physica Scripta, 2011, T144, 014001.	7.8	156
89	At the borderline between atomic and nuclear physics: two-body $^{63}\text{Ge}$ $\beta^2$ -decay of highly charged ions. Physica Scripta, 2011, T144, 014001.	2.5	10
90	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.	1.6	82

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91	Nuclear reactions of $^{19,20}\text{C}$ on a liquid hydrogen target measured with the superconducting TOF spectrometer. Nuclear Physics A, 2011, 864, 1-37.	1.5	11
92	Mass Measurements of Proton-rich Nuclides at the Cooler Storage Ring at IMP. , 2011, , .		4
93	Scaling of Charge-Changing Interaction Cross Sections and Point-Proton Radii of Neutron-Rich Carbon Isotopes. Physical Review Letters, 2011, 107, 032502.	7.8	41
94	Production and Decay Properties of $^{264}\text{Hs}$ and $^{265}\text{Hs}$ . Journal of the Physical Society of Japan, 2011, 80, 094201.	1.6	11
95	One- and two-neutron removal reactions from $^{19,20}\text{C}$ with a proton target. Physical Review C, 2011, 84, .	2.9	15
96	Identification of 45 New Neutron-Rich Isotopes Produced by In-Flight Fission of a $^{238}\text{U}$ Beam at 345 MeV/nucleon. Journal of the Physical Society of Japan, 2010, 79, 073201.	1.6	160
97	Beta-NMR measurement of $^{58}\text{Cu}$ in Si. Hyperfine Interactions, 2010, 197, 143-147.	0.5	2
98	Direct measurement of the 4.6 MeV isomer in stored bare $^{133}\text{Sb}$ ions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 294-297.	4.1	55
99	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.	4.1	61
100	Discovery of Highly Excited Long-Lived Isomers in Neutron-Rich Hafnium and Tantalum Isotopes through Direct Mass Measurements. Physical Review Letters, 2010, 105, 172501.	7.8	68
101	Density distribution of $^{17}\text{Ne}$ and possible shell-structure change in the proton-rich $^{17}\text{Ne}$ . Physical Review C, 2010, 82, .	2.9	24
102	Energy-dependent charge-changing cross sections and proton distribution of $^{28}\text{Si}$ . Physical Review C, 2010, 82, .	2.9	24
103	EXOTIC NUCLEAR STRUCTURES OF LIGHT UNSTABLE NUCLEI VIA REACTION CROSS SECTION MEASUREMENT. Modern Physics Letters A, 2010, 25, 2014-2015.	1.2	0
104	MEASUREMENTS OF INTERACTION CROSS SECTIONS TOWARDS NEUTRON-RICH Ne ISOTOPES AT RIBF. Modern Physics Letters A, 2010, 25, 1878-1881.	1.2	28
105	Decay curve study in a standard electron capture decay. , 2010, , .		0
106	Reaction cross section studies at NIRS and RIBF. , 2010, , .		0
107	Decay Properties of $^{266}\text{Bh}$ and $^{262}\text{Db}$ Produced in the $^{248}\text{Cm} + ^{23}\text{Na}$ Reaction Further Confirmation of the $^{278}\text{113}$ Decay Chain. , 2010, , .		0
108	Observation of a Large Reaction Cross Section in the Drip-Line Nucleus $^{22}\text{C}$ . Physical Review Letters, 2010, 104, 062701.	7.8	198

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109	Schottky Mass Measurement of the $^{208}\text{Hg}$ Isotope: Implication for the Proton-Neutron Interaction Strength around Doubly Magic $^{208}\text{Pb}$ . <i>Physical Review Letters</i> , 2009, 102, 122503.	7.8	55
110	Reaction cross sections at intermediate energies and Fermi-motion effect. <i>Physical Review C</i> , 2009, 79, .	2.9	102
111	Production and Decay Properties of $^{263}\text{Hs}$ . <i>Journal of the Physical Society of Japan</i> , 2009, 78, 035003.	1.6	5
112	Decay Properties of $^{266}\text{Bh}$ and $^{262}\text{Db}$ Produced in the $^{248}\text{Cm} + ^{23}\text{Na}$ Reaction. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 064201.	1.6	34
113	Nuclear structure studies of short-lived neutron-rich nuclei with the novel large-scale isochronous mass spectrometry at the FRS-ESR facility. <i>Nuclear Physics A</i> , 2008, 812, 1-12.	1.5	132
114	Identification of New Isotopes $^{125}\text{Pd}$ and $^{126}\text{Pd}$ Produced by In-Flight Fission of 345 MeV/nucleon $^{238}\text{U}$ : First Results from the RIKEN RI Beam Factory. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 083201.	1.6	104
115	STUDIES ON THE EXOTIC STRUCTURE OF $^{23}\text{Al}$ BY MEASUREMENTS OF $\beta$ AND $P/\beta$ . , 2008, , .		0
116	SIGNALS OF ENLARGED CORE IN $^{23}\text{Al}$ . , 2008, , .		0
117	New Study of Reaction Cross Sections and the Nucleon Density Distribution. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	1
118	Experiment on Synthesis of an Isotope $^{277}\text{112}$ by $^{208}\text{Pb} + ^{70}\text{Zn}$ Reaction. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 043201.	1.6	137
119	Experiments on Synthesis of the Heaviest Element at RIKEN. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
120	Observation of Second Decay Chain from $^{278}\text{113}$ . <i>Journal of the Physical Society of Japan</i> , 2007, 76, 045001.	1.6	189
121	Examining the exotic structure of the proton-rich nucleus $^{23}\text{Al}$ . <i>Physical Review C</i> , 2007, 76, .	2.9	32
122	Precise Studies of Nucleon Density Distribution of $^6\text{He}$ and $^8\text{He}$ . <i>AIP Conference Proceedings</i> , 2007, , .	0.4	2
123	Status of the Experimental Program on Mass Measurements of Stored Exotic Nuclei at the FRS-ESR Facility. <i>Nuclear Physics A</i> , 2007, 787, 315-320.	1.5	15
124	Nuclear radius systematics of Kr isotopes studied via their interaction cross-sections at relativistic energies. <i>European Physical Journal: Special Topics</i> , 2007, 150, 197-200.	2.6	1
125	Measurements of the reaction cross sections and momentum distributions for $^{23}\text{Al}$ neighbouring nuclei. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0
126	Experiments on synthesis of the heaviest elements at RIKEN. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0

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127	Experiments on synthesis of the heaviest elements at RIKEN. AIP Conference Proceedings, 2006, , .	0.4	0
128	Measurement of the spin and magnetic moment of $^{23}\text{Al}$ . Physical Review C, 2006, 74, .	2.9	36
129	MEASUREMENTS OF REACTION CROSS SECTION AND FRAGMENT MOMENTUM DISTRIBUTION FOR $N=10$ PROTON-RICH ISOTONES. International Journal of Modern Physics E, 2006, 15, 1523-1530.	1.0	1
130	Alignment correlation term in mass $A = 8$ system and G-parity irregular term. European Physical Journal A, 2005, 25, 709-710.	2.5	0
131	Nuclear Spin Alignment and Alignment Correlation Terms in Mass $A = 8$ System. Hyperfine Interactions, 2005, 159, 281-284.	0.5	1
132	Simultaneous Measurement of $^2\alpha^{-}$ Decay to Bound and Continuum Electron States. Physical Review Letters, 2005, 95, 052501.	7.8	68
133	Experiment on the Synthesis of Element 113 in the Reaction $^{209}\text{Bi}(^{70}\text{Zn},n)^{278}113$ . Journal of the Physical Society of Japan, 2004, 73, 2593-2596.	1.6	479
134	One-neutron halo structure in $^{15}\text{C}$ . Physical Review C, 2004, 69, .	2.9	60
135	New results with stored exotic nuclei at relativistic energies. Nuclear Physics A, 2004, 746, 150-155.	1.5	56
136	Neutron configuration of $^{16}\text{C}$ studied via one- and two-neutron removal momentum distributions. Nuclear Physics A, 2004, 734, E73-E76.	1.5	1
137	Momentum distributions of $^{14}\text{C}$ and $^{15}\text{C}$ fragments from $^{16}\text{C}$ breakup. Nuclear Physics A, 2003, 724, 3-13.	1.5	40
138	Kanungo et al. Reply. Physical Review Letters, 2003, 90, .	7.8	5
139	Momentum Distribution of $^{15}\text{B}$ Fragments from the Breakup of $^{17}\text{B}$ . Physical Review Letters, 2002, 89, 012501.	7.8	41
140	Experimental Evidence of Core Modification in the Near Drip-Line Nucleus $^{23}\text{O}$ . Physical Review Letters, 2002, 88, 142502.	7.8	66
141	Study of halo structure of $^{12}\text{C}$ from reaction cross section measurement. Nuclear Physics A, 2002, 709, 103-118.	1.5	79
142	In-Medium Mass Renormalization of Nucleons Detected in the Axial Charges of the $^2\alpha^{-}$ Decays of Spin Aligned $^{12}\text{B}$ and $^{12}\text{N}$ . Physical Review Letters, 1999, 82, 1644-1647.	7.8	14
143	Evidence for Oscillation of Atmospheric Neutrinos. Physical Review Letters, 1998, 81, 1562-1567.	7.8	4,064
144	New Limit of the G-Parity Irregular Weak Nucleon Current Disclosed in $^2\alpha^{-}$ -Ray Angular Distributions from Spin Aligned $^{12}\text{B}$ and $^{12}\text{N}$ . Physical Review Letters, 1998, 80, 4132-4135.	7.8	20