Hiroari Miyatake

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5692661/publications.pdf

Version: 2024-02-01

205	2,506	218677	276875
papers	citations	26 h-index	41 g-index

209	209	209	1293
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> -decay spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ta</mml:mi><mml:mprescripts /><mml:none /><mml:mn>187</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2022, 105, .	2.9	4
2	KISS project. AIP Conference Proceedings, 2021, , .	0.4	3
3	Beta decay of the axially asymmetric ground state of 192Re. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 814, 136088.	4.1	4
4	Reduction of contaminants originating from primary beam by improving the beam stoppers in GARIS-II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 992, 164996.	1.6	1
5	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î²</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>Î³</mml:mi> spectroscopy of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Os</mml:mi><mml:mprescripts /><mml:none /><mml:mn>195</mml:mn></mml:mmultiscripts></mml:math> nucleus. Physical Review C,	2.9	2
6	Three-dimensional tracking multi-segmented proportional gas counter for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e795" altimg="si149.svg"><mml:mi>Î²</mml:mi></mml:math>-decay spectroscopy of unstable nuclei. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 997, 165152.	1.6	4
7	First direct observation of isomeric decay in neutron-rich odd-odd <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ta</mml:mi><mml:mprescripts /><mml:none /><mml:mn>186</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2021, 104, .	2.9	5
8	First high-precision direct determination of the atomic mass of a superheavy nuclide. Physical Review C, 2021, 104, .	2.9	16
9	Nuclear spectroscopy of r-process nuclei using KEK Isotope Separation System. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 425-430.	1.4	14
10	New energy-degrading beamline for in-flight RI beams, OEDO. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 143-147.	1.4	2
11	A new multi-reflection time-of-flight mass spectrograph for the SLOWRI facility. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 184-188.	1.4	10
12	Development of a multi-segmented proportional gas counter for Î²-decay spectroscopy at KISS. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 421-424.	1.4	2
13	Development of an a€œ<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e734" altimg="si14.svg"><mml:mi>Î±</mml:mi></mml:math>-TOFâ€•detector for correlated measurement of atomic masses and decay properties. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 953,	1.6	8
14	In-gas-cell laser ionization spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Os</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>194</mml:mn><mml:mo>,</mml:mo><mml:mn>196</mml:mn></mml:mrow></mml:mmultiscripts></mml:m	2.9	14
15	In-gas-cell laser resonance ionization spectroscopy as spectrograph. Physical Review C, 2020, 102, .	2.9	10
16	Properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ta</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>187</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Revealed through Isomeric Decay. Physical Review Letters, 2020, 125, 192505.	7.8	12
17	Recent Progress of Research with KISS and MRTOF. , 2020, , .		0
18	Deexcitation <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math> -ray transitions from the long-lived <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mi>I</mml:mi><mml:mi>Ï€</mml:mi></mml:msu metastable state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Os</mml:. Physical	2.9	6

#	Article	IF	Citations
19	Performance of the OEDO beamline. Journal of Physics: Conference Series, 2020, 1643, 012035.	0.4	0
20	Nuclear spectroscopy of r-process nuclei using KEK Isotope Separation System. Journal of Physics: Conference Series, 2020, 1643, 012138.	0.4	5
21	Elastic scattering for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">B</mml:mi><mml:mprescripts /><mml:none /><mml:mn>8</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>	2.9	38
22	OEDO, the energy-degrading beamline at RI Beam Factory. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	8
23	Time-of-flight mass spectrographs of high mass resolving power. International Journal of Modern Physics A, 2019, 34, 1942001.	1.5	3
24	Experimental studies of neutron-rich nuclei around N = 126 at KEK isotope separation system. EPJ Web of Conferences, 2019, 223, 01069.	0.3	0
25	Efficient two-color two-step laser ionization schemes of Î»1â€ˆâ¼ 250 nm and Î»2 = 307.9 nm for heavy refractory elementsâ€”Measurements of ionization cross-sections and hyperfine spectra of tantalum and tungsten. Review of Scientific Instruments, 2019, 90, 115104.	1.3	6
26	First Direct Mass Measurements of Nuclides around Z=100 with a Multireflection Time-of-Flight Mass Spectrograph. Physical Review Letters, 2018, 120, 152501.	7.8	62
27	Fusion-Barrier Distributions Will Unveil Most Probable Reaction Energies to Synthesize Isotopes of Superheavy Elements Beyond Z = 118. JPSJ News and Comments, 2018, 15, 01.	0.1	0
28	High-efficiency and low-background multi-segmented proportional gas counter for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml33" display="inline" overflow="scroll" altimg="si1.gif"><mml:mi>Î²</mml:mi></mml:math>-decay spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 884, 1-10.	1.6	20
29	Reaction Dynamics for the Systems 7Be, 8B + 208Pb at Coulomb Barrier Energies. Journal of Physics: Conference Series, 2018, 1078, 012013.	0.4	0
30	KEK Isotope Separation System (KISS). Nuclear Physics News, 2018, 28, 25-28.	0.4	2
31	Improving wide-band mass measurements in a multi-reflection time-of-flight mass spectrograph by usage of a concomitant measurement scheme. International Journal of Mass Spectrometry, 2018, 433, 40-46.	1.5	23
32	Atomic masses of intermediate-mass neutron-deficient nuclei with relative uncertainty down to 35-ppb via multireflection time-of-flight mass spectrograph. International Journal of Mass Spectrometry, 2018, 430, 134-142.	1.5	21
33	Present status of the KISS project. AIP Conference Proceedings, 2018, , .	0.4	5
34	⁸B + ²⁰⁸Pb Elastic Scattering at Coulomb Barrier Energies. Journal of Physics: Conference Series, 2018, 966, 012010.	0.4	1
35	7Be and 8B reaction dynamics at Coulomb barrier energies. EPJ Web of Conferences, 2018, 184, 02015.	0.3	0
36	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> - and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math> -decay spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Os</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn><mml:mo>,</mml:mo><mml:mn>198</mml:mn></mml:mrow></mml:mmultiscripts></mml:m	2.9	13

#	Article	IF	Citations
37	New mass anchor points for neutron-deficient heavy nuclei from direct mass measurements of radium and actinium isotopes. Physical Review C, 2018, 97, .	2.9	26
38	Doughnut-shaped gas cell for KEK Isotope Separation System. Nuclear Instruments & Methods in Physics Research B, 2017, 412, 11-18.	1.4	31
39	New measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mprescripts /><mml:none /><mml:mn>8</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi>n</mml:mi><mml:mmultiscripts><mml:mi mathvariant="normal">B</mml:mi><mml:mprescripts /><mml:none /><mml:mn>11</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> reaction in a lower energy re	2.9	1
40	Ionization cross section, pressure shift and isotope shift measurements of osmium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 215203.	1.5	7
41	First online multireflection time-of-flight mass measurements of isobar chains produced by fusion-evaporation reactions: Toward identification of superheavy elements via mass spectroscopy. Physical Review C, 2017, 95, .	2.9	51
42	Observation of doubly-charged ions of francium isotopes extracted from a gas cell. Nuclear Instruments & Methods in Physics Research B, 2017, 407, 160-165.	1.4	15
43	In-gas-cell laser spectroscopy of the magnetic dipole moment of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>â‰ˆ</mml:mo><mml:mn>126</mml:mn> isotope <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pt</mml:mi><mml:mprescripts /><mml:none /><mml:mn>199</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2017, 96, .	2.9	24
44	A new measurement of electron transverse polarization in polarized nuclear Î²-decay. Modern Physics Letters A, 2017, 32, 1750058.	1.2	0
45	8B + 208Pb Elastic Scattering at Coulomb Barrier Energies. EPJ Web of Conferences, 2017, 163, 00032.	0.3	0
46	Discrimination of Processes and Optical Model Analysis in the ^{17}O+^{58}Ni Collision Around the Coulomb Barrier. Acta Physica Polonica B, 2017, 48, 615.	0.8	0
47	Beta-decay spectroscopy of r-process nuclei aroundN= 126. EPJ Web of Conferences, 2016, 109, 08001.	0.3	6
48	O17+Ni58scattering and reaction dynamics around the Coulomb barrier. Physical Review C, 2016, 94, .	2.9	11
49	On-line experimental results of an argon gas cell-based laser ion source (KEK Isotope Separation) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	17
50	Direct measurement of nanoscale lithium diffusion in solid battery materials using radioactive tracer of 8Li. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 379-381.	1.4	10
51	7Be- and8B-reaction dynamics at Coulomb barrier energies. EPJ Web of Conferences, 2016, 117, 06006.	0.3	4
52	Elastic scattering of17O+208Pb at energies near the Coulomb barrier. EPJ Web of Conferences, 2016, 117, 08027.	0.3	1
53	Development of the detector system for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow></mml:math>-decay spectroscopy at the KEK Isotope Separation System. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 338-340.	1.4	7
54	Status of the low-energy super-heavy element facility at RIKEN. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 425-428.	1.4	14

#	Article	IF	Citations
55	Search for efficient laser resonance ionization schemes of tantalum using a newly developed time-of-flight mass-spectrometer in KISS. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 73-76.	1.4	4
56	Pathway for the Production of Neutron-Rich Isotopes around the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>126</mml:mn></mml:math>Shell Closure. Physical Review Letters, 2015, 115, 172503.	7.8	187
57	Unexpected spin-parity assignments of the excited states inBe9. Physical Review C, 2015, 91, .	2.9	9
58	In situ lithium diffusion measurement in solid ionic conductors using short-lived radiotracer beam of 8Li. Nuclear Instruments & Methods in Physics Research B, 2015, 354, 297-300.	1.4	5
59	Laser ion source for multi-nucleon transfer reaction products. Nuclear Instruments & Methods in Physics Research B, 2015, 353, 4-15.	1.4	40
60	Search for Efficient Laser Resonance Ionization Schemes of Refractory Elements for KISS. , 2015, , .		1
61	Nanoscale diffusion tracing by radioactive⁸Li tracer. Japanese Journal of Applied Physics, 2014, 53, 110303.	1.5	3
62	In-gas-cell laser ion source for KEK isotope separation system. Review of Scientific Instruments, 2014, 85, 02B906.	1.3	0
63	Preface: Origin of Matter and Evolution of Galaxies 2013. , 2014, , .		0
64	Î²-decay spectroscopy of r-process nuclei with N = 126 at KISS. AIP Conference Proceedings, 2014, , .	0.4	3
65	Ionization cross section measurements for autoionizing states of iridium and rhenium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 075201.	1.5	10
66	Nuclear structure explored by Î²-delayed decay spectroscopy of spin-polarized radioactive nuclei at TRIUMF ISAC-1. Hyperfine Interactions, 2014, 225, 183-191.	0.5	15
67	Study of the multi-nucleon transfer reactions of136Xe +198Pt for producing exotic heavy nuclei. EPJ Web of Conferences, 2014, 66, 03044.	0.3	7
68	Present Status of KEK Isotope Separation System. EPJ Web of Conferences, 2014, 66, 11017.	0.3	1
69	Elastic scattering of17O ions from58Ni at near-barrier energies. EPJ Web of Conferences, 2014, 66, 03087.	0.3	0
70	Spin-polarized radioactive isotope beam produced by tilted-foil technique. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 693-696.	1.4	0
71	A multi-reflection time-of-flight mass spectrograph for short-lived and super-heavy nuclei. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 537-543.	1.4	30
72	Study of collisions of 136Xe+198Pt for the KEK isotope separator. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 752-755.	1.4	20

#	Article	IF	Citations
73	Development of a resonant laser ionization gas cell for high-energy, short-lived nuclei. Nuclear Instruments & Methods in Physics Research B, 2013, 295, 1-10.	1.4	24
74	In situ diffusion measurements in solids using short-lived radioactive tracers of <mml:math altimg="si22.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	1.4	1
75	Development of a gas cell-based laser ion source for RIKEN PALIS. Hyperfine Interactions, 2013, 216, 103-107.	0.5	7
76	Off-line test of the KISS gas cell. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 480-483.	1.4	8
77	Toward Online Nanoscale Diffusion Measurements Using Radioactive8Li Tracer. Japanese Journal of Applied Physics, 2013, 52, 010205.	1.5	5
78	Present status of the KISS project. , 2013, , .		0
79	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-delayed neutron and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>-ray spectroscopy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>17</mml:mn></mml:msup></mml:math>C utilizing spin-polarized<mml:math xmlns:mml="htt	2.9	27
80	Development of a gas cell-based laser ion source for RIKEN PALIS. , 2013, , 103-107.		0
81	Wall-loss distribution of charge breeding ions in an electron cyclotron resonance ion source. Review of Scientific Instruments, 2012, 83, 02A910.	1.3	1
82	Structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>28</mml:mn></mml:msup></mml:math>Mg studied by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-decay spectroscopy of spin-polarized<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>28</mml:mn></mml:msup></mml:math>Na: The first step of systematic studies on neutron-r	2.9	15
83	Low-background prebunching system for heavy-ion beams at the Tokai radioactive ion accelerator complex. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	3
84	Isobaric analog resonances of theN=21nucleus35Si. Physical Review C, 2012, 85, .	2.9	8
85	Measurement of the [sup 12]C(Î±,Î³)[sup 16]O reaction at TRIAC. , 2012, , .		0
86	Direct measurement of the [sup 18]Ne(Î±,p)[sup 21]Na reaction. , 2012, , .		1
87	GEM-MSTPC: An active-target type detector in low-pressure He/CO₂mixed gas. Journal of Instrumentation, 2012, 7, C03036-C03036.	1.2	8
88	Preface: Origin of Matter and Evolutions of Galaxies 2011. , 2012, , .		0
89	Tilted-foil technique for producing a spin-polarized radioactive isotope beam. European Physical Journal A, 2012, 48, 1.	2.5	2
90	Adhesion improvement of HIVIPP 12C targets on Au backings. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 655, 24-33.	1.6	3

#	Article	IF	Citations
91	Spin-polarization of radioactive 123Ing.s. by the tilted-foil method. European Physical Journal A, 2011, 47, 1.	2.5	3
92	Gas-gain study of standard CERN GEM and Thick GEM in low-pressure He/CO2 mixed gas. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 625, 39-42.	1.6	4
93	Wall-loss distribution of charge breeding ions in an electron cyclotron resonance ion source. Review of Scientific Instruments, 2011, 82, 033508.	1.3	2
94	Proton resonance elastic scattering in inverse kinematics on the medium heavy nucleus 68Zn. European Physical Journal A, 2010, 46, 157-160.	2.5	3
95	Development of the GEM-MSTPC for measurements of low-energy nuclear reactions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 135-137.	1.6	9
96	Superdeformation in asymmetric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>N</mml:mi><mml:mo>></mml:mo><mml:mi>Z</mml:mi></mml:math> nucleus 40Ar. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 686, 18-22.	4.1	34
97	BARRIER DISTRIBUTION OF QUASI-ELASTIC BACKWAD SCATTERING IN VERY HEAVY REACTION SYSTEMS. International Journal of Modern Physics E, 2010, 19, 989-996.	1.0	1
98	SUPERDEFORMED BAND IN ASYMMETRIC N > Z NUCLEUS ⁴⁰Ar. Modern Physics Letters A, 2010, 25, 1792-1795.	1.2	4
99	THE STRUCTURE OF NEUTRON-RICH 28,29Mg STUDIED THROUGH Î²-DECAY OF SPIN POLARIZED 28,29Na BEAMS AT TRIUMF. Modern Physics Letters A, 2010, 25, 1972-1975.	1.2	6
100	An Experimental Plan to Study Beta-decay Properties on Nâ€‰=â€‰126 Waiting-Point Nuclei in the r-process. , 2010, , .		0
101	Development of the GEM-MSTPC for studies of astrophysical nuclear reaction rates. , 2010, , .		1
102	Experimental Proposal to Study Î² Decay Properties around Nâ€‰=â€‰126 Nuclei Produced by Multi-Nucleon Transfer Reactions. , 2010, , .		0
103	PRESENT STATUS OF CHARGE-BREEDING IN KEKCB AT TRIAC. , 2009, , .		1
104	Barrier distribution of quasi-elastic backward scattering. , 2009, , .		0
105	A Systematic Study of Astrophysical Reaction Rates through [sup 8]Li. , 2009, , .		3
106	Diffusion Experiment in Lithium Ionic Conductors with the Radiotracer of [sup 8]Li: from Micro- to Nano-diffusion. , 2009, , .		3
107	Measurement of quasi-elastic back-scattering of [sup 64]Ni+[sup 118]Sn and [sup 58]Ni+[sup 124]Sn. , 2009, , .		0
108	Abnormal Li diffusion in Î²-LiGa by the formation of defect complex. Solid State Ionics, 2009, 180, 626-630.	2.7	6

#	Article	IF	Citations
109	A new measurement of the astrophysical 8Li(d,â€‰t)7Li reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 674, 276-280.	4.1	7
110	KEKCB-18GHz ECR charge breeder at TRIAC. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4411-4414.	1.4	5
111	Direct measurement of [sup 8]Li+d reactions of astrophysical interest. AIP Conference Proceedings, 2008, , .	0.4	1
112	KEKCB electron cyclotron resonance charge breeder at TRIAC. Review of Scientific Instruments, 2008, 79, 02A906.	1.3	13
113	On-Line Diffusion Tracing in Li Ionic Conductors by the Short-Lived Radioactive Beam of8Li. Japanese Journal of Applied Physics, 2008, 47, 6413-6415.	1.5	5
114	Coexistence of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>+</mml:mo><mml:mi>Î±</mml:mi><mml:mo>+</mml:mo><mml:mi>n</ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>+</mml:mo><mml:mi>t</mml:mi><mml:mo>+</mml:mo><mml:mi>t</m structures in<mml:math xmlns:mml="http://www.w3.org/1998/Ma. Physical Review C, 2008, 77, .	2.9	10
115	Diffusion of ⁸Li Short-Lived Radiotracer in Li Ionic Conductors of NaTl-Type Intermetallic Compounds. Defect and Diffusion Forum, 2008, 273-276, 667-672.	0.4	2
116	Status of Tokai Radioactive Ion Accelerator Complex and Feasibility Study for Transfer Reactions Using Low-Energy RNB. AIP Conference Proceedings, 2007, , .	0.4	0
117	Elastic scattering for the system 11Be + 209Bi at Coulomb barrier energies. European Physical Journal: Special Topics, 2007, 150, 37-40.	2.6	28
118	Tokai Radioactive Ion Accelerator Complex (TRIAC). European Physical Journal: Special Topics, 2007, 150, 259-262.	2.6	6
119	Gated multiple-sampling and tracking proportional chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 556, 339-349.	1.6	29
120	Production of a low-energy radioactive nuclear beam with high purity using JAERI-RMS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 560, 366-372.	1.6	4
121			

#	Article	IF	Citations
127	Study of 11Be structure through Î²-delayed decays from polarized 11Li. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 611, 239-247.	4.1	52
128	Measurement of diffusion coefficients in solids by the short-lived radioactive beam of 8Li. Nuclear Instruments & Methods in Physics Research B, 2005, 230, 596-600.	1.4	5
129	Velocity and metastable state population distributions of neodymium atoms produced by laser ablation. Applied Physics B: Lasers and Optics, 2005, 81, 1127-1133.	2.2	6
130	Measurement of self-diffusion coefficients in Li ionic conductors by using the short-lived radiotracer of 8Li. Journal of Phase Equilibria and Diffusion, 2005, 26, 472-476.	1.4	4
131	Measurement of Self-Diffusion Coefficients in Li Ionic Conductors by Using the Short-Lived Radiotracer of ⁸Li. Journal of Phase Equilibria and Diffusion, 2005, 26, 472-476.	1.4	0
132	Low-energy radioactive-ion beam separator at CNS and resonance scattering experiments. AIP Conference Proceedings, 2004, , .	0.4	0
133	Test results of 18 GHz ECR charge breeder for KEKâ€“JAERI RNB facility. Review of Scientific Instruments, 2004, 75, 1631-1633.	1.3	13
134	Velocity and metastable state population distributions of laser-ablated neodymium. Review of Scientific Instruments, 2004, 75, 3775-3776.	1.3	2
135	Spectroscopic study of 11Be through Î²-delayed neutron- and Î³-decays of spin-polarized 11Li. Nuclear Physics A, 2004, 738, 201-205.	1.5	8
136	Structure of 11Be studied in Î²-delayed neutron- and Î³- decay from polarized 11Li. Nuclear Physics A, 2004, 746, 71-75.	1.5	8
137	8Li and 18F diffusion experiments in solids - an application of accelerated RNB -. Nuclear Physics A, 2004, 746, 293-297.	1.5	1
138	Measurement of the 8Li(Î±, n)11B reaction cross sections of astrophysical interest. Nuclear Physics A, 2004, 746, 330-334.	1.5	11
139	Exclusive measurement of the astrophysical 8Li(Î±,n) reaction cross section. Nuclear Physics A, 2004, 738, 401-405.	1.5	10
140	Facilities and Methods: KEK-Jaeri Joint RNB Facility, TRIAC. Nuclear Physics News, 2004, 14, 28-31.	0.4	2
141	Study of Astrophysical (Î±, n) and (p, n) Reactions on Light Neutron-Rich Nuclei by Means of Low-Energy RNB. AIP Conference Proceedings, 2004, , .	0.4	0
142	A laser ion source with a thin ohmic-heating ionizer for the TIARA-ISOL. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 359-362.	1.4	8
143	The development of an ECR charge breeder for KEK-JAERI joint RNB project. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 420-427.	1.4	8
144	The KEKâ€“JAERI joint RNB project. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 746-751.	1.4	10

#	Article	IF	Citations
145	Simulation of radiotracer method for diffusion studies using short-lived radioactive nuclear beams. Nuclear Instruments & Methods in Physics Research B, 2003, 212, 483-488.	1.4	3
146	Direct measurements of (Î±, n) and (p, n) reaction cross sections using light neutron-rich radioactive nuclear beams. Nuclear Physics A, 2003, 718, 481-483.	1.5	4
147	Measurement of the 16N(Î±, n) reaction cross section. Nuclear Physics A, 2003, 718, 484-486.	1.5	4
148	Structure of the unbound11Nnucleus by the(3He,6He)reaction. Physical Review C, 2003, 67, .	2.9	17
149	Spin-parity assignments in15C*by a new method:Î²-delayed spectroscopy for a spin-polarized nucleus. Physical Review C, 2003, 67, .	2.9	23
150	Simulation Study on the Measurements of Diffusion Coefficients in Solid Materials by Short-lived Radiotracer Beams. Japanese Journal of Applied Physics, 2003, 42, 4576-4583.	1.5	11
151	Anomaly ofN=8shell closure in neutron-rich Be and B isotopes studied via delayed neutron emitting14BeÎ²decay. Physical Review C, 2002, 66, .	2.9	43
152	The development of a charge breeding system with ECR ion sources of permanent magnets. Review of Scientific Instruments, 2002, 73, 806-808.	1.3	4
153	Stopping efficiency of an ECR charge breeder for axially injected ions. Review of Scientific Instruments, 2002, 73, 803-805.	1.3	6
154	A compact 2.45 GHz ECR ion source with permanent magnets for material science. Review of Scientific Instruments, 2002, 73, 586-588.	1.3	5
155	Present status of the radioactive nuclear beam facility at KEK-Tanashi and the E-arena in the KEKâ€“JAERI joint project. Nuclear Physics A, 2002, 701, 62-66.	1.5	4
156	Beam extraction from a compact Ku-band electron cyclotron resonance ion source with double resonance modes. Review of Scientific Instruments, 2000, 71, 1110-1112.	1.3	0
157	Design of a small electron cyclotron resonance ion source with partially pulsed magnetic field. Review of Scientific Instruments, 2000, 71, 1113-1115.	1.3	4
158	Ion source development for isotope separator on-line based radioactive nuclear beam facility at KEK-Tanashi. Review of Scientific Instruments, 2000, 71, 764-766.	1.3	2
159	Measurement of the8Li(Î±,n)11Breaction and astrophysical implications. Physical Review C, 2000, 62, .	2.9	36
160	Magnetic moment and electric quadrupole moment of the N ground state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 451, 11-18.	4.1	25
161	Beam bunching of the radioactive nuclear beam in a 6.4 GHz electron cyclotron resonance ion source. Review of Scientific Instruments, 1998, 69, 770-772.	1.3	5
162	Nuclear Physics Programs at KEK and the JHF. Nuclear Physics News, 1998, 8, 9-18.	0.4	0

#	Article	IF	Citations
163	Î² decay of the neutron-rich isotope14Be. Physical Review C, 1997, 56, 3038-3044.	2.9	10
164	Study of the early stage of the rapid-proton process. Nuclear Physics A, 1997, 621, 195-198.	1.5	8
165	Î²-delayed neutron decay of drip line nuclei 11Li and 14Be. Zeitschrift FÃ¼r Physik A, 1997, 358, 253-255.	0.9	29
166	Î²-spectroscopy of 11Li and 14Be â€"With a Î²-n-Î³ triple coincidence method. Nuclear Physics A, 1997, 616, 181-188.	1.5	59
167	Freezing-out of nuclear polarization in radioactive core ions of microclusters, â€œsnowballsâ€•in superfluid helium. Hyperfine Interactions, 1996, 97-98, 469-477.	0.5	36
168	Nuclear polarization in core ions of microclusters, â€˜snowballsâ€™ in superfluid helium. European Physical Journal D, 1996, 46, 369-370.	0.4	0
169	Performance of fragment separator with homogeneously thick energy degrader: a highly flexible system for use with degraders in a wide thickness range. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 372, 489-500.	1.6	13
170	Magnetic moments ofN17andB17. Physical Review C, 1996, 53, 2142-2151.	2.9	45
171	Preservation of nuclear spin polarization of 12B in superfluid helium. Nuclear Physics A, 1995, 588, c235-c239.	1.5	12
172	New ?-decaying neutron deficient isotopes197Rn and200Fr. Zeitschrift FÃ¼r Physik A, 1995, 352, 7-8.	0.9	26
173	Measurement of the magnetic moments of 14B and 15B using projectile fragmentation spin polarization. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 354, 41-45.	4.1	48
174	Electromagnetic moments of unstable nuclei studied with polarized projectile fragments. Nuclear Physics A, 1995, 588, c135-c139.	1.5	8
175	Structure of light proton-rich nuclei on the drip-line. Nuclear Physics A, 1995, 588, c161-c164.	1.5	22
176	Snowballs of radioactive ions ? nuclear spin polarization of core ions. European Physical Journal B, 1995, 98, 347-351.	1.5	37
177	Study of Î± Decays in the 40Ar+232Th Reaction Using the RIKEN Gas-Filled Separator I -General. , 1995, , .		0
178	NUCLEAR POLARIZATION IN MICROCLUSTERS IN SUPERFLUID HELIUM. , 1995, , .		0
179	High resolution study of24Mg(p, d)23Mg for the Ne-E problem. Zeitschrift FÃ¼r Physik A, 1994, 348, 59-60.	0.9	26
180	Systematic behavior of ejectile spin polarization in the projectile fragmentation reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 335, 29-34.	4.1	62

#	Article	IF	Citations
181	Spin-polarized radioactive beams and Î²-NMR experiments. Hyperfine Interactions, 1994, 84, 371-375.	0.5	1
182	Polarization in projectile fragmentation andg-factor measurements for neutron-rich nuclei. Hyperfine Interactions, 1993, 78, 97-103.	0.5	14
183	Observation of the low-energy octupole resonance inPb208by inelastic Î± scattering. Physical Review C, 1992, 45, 993-996.	2.9	8
184	Gamow-Teller strength in ÃŸ-decay of 25Si. Nuclear Physics A, 1992, 549, 327-351.	1.5	12
185	Level structure of 21Mg and the 20Na(p, Î³)21Mg stellar reaction rate. Nuclear Physics A, 1992, 537, 153-166.	1.5	19
186	Spin-oriented projectile fragments: The first application tog-factor measurements. Hyperfine Interactions, 1992, 75, 101-108.	0.5	7
187	RIKEN isotope separator on-line GARIS/IGISOL. Nuclear Instruments & Methods in Physics Research B, 1992, 70, 220-225.	1.4	71
188	Design study of the secondary-beam line at RCNP. Nuclear Instruments & Methods in Physics Research B, 1992, 70, 320-330.	1.4	46
189	Performance of and experiments with the recoil separator CARP at RCNP. Nuclear Instruments & Methods in Physics Research B, 1992, 70, 331-342.	1.4	9
190	Decay properties of the key resonant states in8Li(?, n)11B for primordial nucleosynthesis. Zeitschrift FÃ¼r Physik A, 1991, 341, 121-122.	0.9	9
191	Spectroscopic tool for proton-rich nuclei: The(3He,6He) reaction. Physical Review C, 1991, 43, 1821-1823.	2.9	4
192	New aspect of intermediate energy heavy ion reactions. Large spin polarization of fragments. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 251, 488-492.	4.1	117
193	Systematic behavior of octupole strengths in46,48,50Ti. Physical Review C, 1989, 39, 1286-1296.	2.9	14
194	The Proron threshold states in21MG relevant to the rp-process. Zeitschrift FÃ¼r Physik A, Atomic Nuclei, 1989, 334, 511-512.	0.3	0
195	Alpha decays of 221Pa and 218,219Ac. Nuclear Physics A, 1989, 501, 557-567.	1.5	16
196	TheP +19Nes- wave resonant state in20Na at stellar energies. Zeitschrift FÃ¼r Physik A, Atomic Nuclei, 1988, 331, 359-360.	0.3	5
197	A shell-model study of Gamow-Teller matrix elements in the shell nuclei. Nuclear Physics A, 1987, 470, 328-338.	1.5	17
198	INS gas-filled recoil isotope separator. Nuclear Instruments & Methods in Physics Research B, 1987, 26, 309-313.	1.4	30

#	Article	IF	Citations
199	In-beam spectroscopic study of 107In. Nuclear Physics A, 1986, 455, 301-314.	1.5	8
200	High-energy gamma ray spectrometer for heavy-ion induced experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 251, 74-80.	1.6	3
201	A high-speed target-rotation system (taro) for the study of short-lived nuclei. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 245, 271-276.	1.6	3
202	Observation of the decay of a new isotopeCu57and its mirror transition. Physical Review C, 1984, 30, 2111-2114.	2.9	10
203	The mirror transition of the Tz = â˜'12 nucleus 59Zn. Nuclear Physics A, 1984, 420, 193-203.	1.5	17
204	Reduction of the Neutron-Induced Background Using a Pulse-Type Beam Chopper in an ISOL Experiment. Japanese Journal of Applied Physics, 1983, 22, 547-547.	1.5	3
205	The decay of the nuclide 59Zn. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 104, 186-188.	4.1	11