

Hiroari Miyatake

List of Publications by Year in descending order

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205
papers

2,506
citations

218677

26
h-index

276875

41
g-index

209
all docs

209
docs citations

209
times ranked

1293
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathway for the Production of Neutron-Rich Isotopes around the $N=126$ Shell Closure. Physical Review Letters, 2015, 115, 172503.	7.8	187
2	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
3	RIKEN isotope separator on-line GARIS/IGISOL. Nuclear Instruments & Methods in Physics Research B, 1992, 70, 220-225.	1.4	71
4	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
5	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
6	\hat{I}^2 -spectroscopy of ^{11}Li and ^{14}Be with a \hat{I}^2 - n - \hat{I}^3 triple coincidence method. Nuclear Physics A, 1997, 616, 181-188.	1.5	59
7	Study of ^{11}Be structure through \hat{I}^2 -delayed decays from polarized ^{11}Li . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 611, 239-247.	4.1	52
8	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
9	Measurement of the magnetic moments of ^{14}B and ^{15}B using projectile fragmentation spin polarization. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 354, 41-45.	4.1	48
10	Design study of the secondary-beam line at RCNP. Nuclear Instruments & Methods in Physics Research B, 1992, 70, 320-330.	1.4	46
11	Scattering of ^{11}Be halo nucleus from ^{209}Bi at the Coulomb barrier. European Physical Journal A, 2006, 28, 295-299.	2.5	46
12	Magnetic moments of ^{17}N and ^{17}B . Physical Review C, 1996, 53, 2142-2151.	2.9	45
13	Anomaly of $N=8$ shell closure in neutron-rich Be and B isotopes studied via delayed neutron emitting ^{14}Be \hat{I}^2 decay. Physical Review C, 2002, 66, .	2.9	43
14	Laser ion source for multi-nucleon transfer reaction products. Nuclear Instruments & Methods in Physics Research B, 2015, 353, 4-15.	1.4	40
15	B_{8^-} and B_{8^+} and ^{11}Be	2.9	38
16	Snowballs of radioactive ions? nuclear spin polarization of core ions. European Physical Journal B, 1995, 98, 347-351.	1.5	37
17	Freezing-out of nuclear polarization in radioactive core ions of microclusters, "snowballs" in superfluid helium. Hyperfine Interactions, 1996, 97-98, 469-477.	0.5	36
18	Measurement of the $^8\text{Li}(\hat{I}^{\pm}, n)^{11}\text{B}$ reaction and astrophysical implications. Physical Review C, 2000, 62, .	2.9	36

#	ARTICLE	IF	CITATIONS
19	Superdeformation in asymmetric $N < Z$ nucleus ^{40}Ar . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 686, 18-22.	4.1	34
20	Doughnut-shaped gas cell for KEK Isotope Separation System. Nuclear Instruments & Methods in Physics Research B, 2017, 412, 11-18.	1.4	31
21	INS gas-filled recoil isotope separator. Nuclear Instruments & Methods in Physics Research B, 1987, 26, 309-313.	1.4	30
22	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
23	I^2 -delayed neutron decay of drip line nuclei ^{11}Li and ^{14}Be . Zeitschrift für Physik A, 1997, 358, 253-255.	0.9	29
24	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
25	Elastic scattering for the system $^{11}\text{Be} + ^{209}\text{Bi}$ at Coulomb barrier energies. European Physical Journal: Special Topics, 2007, 150, 37-40.	2.6	28
26	I^3 -ray spectroscopy of ^{17}C utilizing spin-polarized	2.9	27
27	High resolution study of $^{24}\text{Mg}(p, d)^{23}\text{Mg}$ for the Ne-E problem. Zeitschrift für Physik A, 1994, 348, 59-60.	0.9	26
28	New β^- -decaying neutron deficient isotopes ^{197}Rn and ^{200}Fr . Zeitschrift für Physik A, 1995, 352, 7-8.	0.9	26
29			

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37	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
38	Study of collisions of $^{136}\text{Xe}+^{198}\text{Pt}$ for the KEK isotope separator. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 752-755.	1.4	20
39	High-efficiency and low-background multi-segmented proportional gas counter for β -decay spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 884, 1-10.	1.6	20
40	Level structure of ^{21}Mg and the $^{20}\text{Na}(p, \hat{1}^3)^{21}\text{Mg}$ stellar reaction rate. Nuclear Physics A, 1992, 537, 153-166.	1.5	19
41	The mirror transition of the $T_z = \hat{1}^2$ nucleus ^{59}Zn . Nuclear Physics A, 1984, 420, 193-203.	1.5	17
42	A shell-model study of Gamow-Teller matrix elements in the shell nuclei. Nuclear Physics A, 1987, 470, 328-338.	1.5	17
43	Structure of the unbound ^{11}N nucleus by the $(^3\text{He}, ^6\text{He})$ reaction. Physical Review C, 2003, 67, .	2.9	17
44	On-line experimental results of an argon gas cell-based laser ion source (KEK Isotope Separation) Tj ETQq0 0 0 rgBT ₁ /Overlock ₁₀ Tf 50 4	1.4	17
45	Alpha decays of ^{221}Pa and $^{218,219}\text{Ac}$. Nuclear Physics A, 1989, 501, 557-567.	1.5	16
46	First high-precision direct determination of the atomic mass of a superheavy nuclide. Physical Review C, 2021, 104, .	2.9	16
47	Structure of ^{28}Mg studied by β -decay spectroscopy of spin-polarized ^{28}Na : The first step of systematic studies on neutron-r	2.9	15
48	Nuclear structure explored by β -delayed decay spectroscopy of spin-polarized radioactive nuclei at TRIUMF ISAC-1. Hyperfine Interactions, 2014, 225, 183-191.	0.5	15
49	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
50	Systematic behavior of octupole strengths in $^{46,48,50}\text{Ti}$. Physical Review C, 1989, 39, 1286-1296.	2.9	14
51	Polarization in projectile fragmentation and g-factor measurements for neutron-rich nuclei. Hyperfine Interactions, 1993, 78, 97-103.	0.5	14
52	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
53	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
54	In-gas-cell laser ionization spectroscopy of ^{194}Os and ^{196}Os isotopes by using a multireflection time-of-flight mass spectrograph. Physical Review C, 2020, 102, .	2.9	14

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55	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
56	Test results of 18 GHz ECR charge breeder for KEK's JAERI RNB facility. Review of Scientific Instruments, 2004, 75, 1631-1633.	1.3	13
57	KEKCB electron cyclotron resonance charge breeder at TRIAC. Review of Scientific Instruments, 2008, 79, 02A906.	1.3	13
58	\hat{I}^2 - and \hat{I}^3 -decay spectroscopy of ^{209}Os	2.9	13
59	Gamow-Teller strength in \hat{A} -decay of ^{25}Si . Nuclear Physics A, 1992, 549, 327-351.	1.5	12
60	Preservation of nuclear spin polarization of ^{12}B in superfluid helium. Nuclear Physics A, 1995, 588, c235-c239.	1.5	12
61	Properties of ^{187}Ta Revealed through Isomeric Decay. Physical Review Letters, 2020, 125, 102505	7.8	12
62	The decay of the nuclide ^{59}Zn . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 104, 186-188.	4.1	11
63	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
64	Measurement of the $^{8}\text{Li}(\hat{I}^{\pm}, n)^{11}\text{B}$ reaction cross sections of astrophysical interest. Nuclear Physics A, 2004, 746, 330-334.	1.5	11
65	$^{17}\text{O}+^{58}\text{Ni}$ scattering and reaction dynamics around the Coulomb barrier. Physical Review C, 2016, 94, .	2.9	11
66	Observation of the decay of a new isotope ^{57}Cu and its mirror transition. Physical Review C, 1984, 30, 2111-2114.	2.9	10
67	\hat{I}^2 decay of the neutron-rich isotope ^{14}Be . Physical Review C, 1997, 56, 3038-3044.	2.9	10
68	The KEK's JAERI joint RNB project. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 746-751.	1.4	10
69	Exclusive measurement of the astrophysical $^{8}\text{Li}(\hat{I}^{\pm}, n)$ reaction cross section. Nuclear Physics A, 2004, 738, 401-405.	1.5	10
70	Coexistence of ^{14}Be structures in ^{14}Be	2.9	10
71	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
72	Direct measurement of nanoscale lithium diffusion in solid battery materials using radioactive tracer of ^{8}Li . Nuclear Instruments & Methods in Physics Research B, 2016, 376, 379-381.	1.4	10

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73	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
74	In-gas-cell laser resonance ionization spectroscopy of Ir^{III} . Physical Review C, 2020, 102, .	2.9	10
75	Decay properties of the key resonant states in ^8Li and ^{11}B for primordial nucleosynthesis. Zeitschrift für Physik A, 1991, 341, 121-122.	0.9	9
76	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
77	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
78	Unexpected spin-parity assignments of the excited states in ^9Be . Physical Review C, 2015, 91, .	2.9	9
79	In-beam spectroscopic study of ^{107}In . Nuclear Physics A, 1986, 455, 301-314.	1.5	8
80	Observation of the low-energy octupole resonance in ^{208}Pb by inelastic \hat{I}^{\pm} scattering. Physical Review C, 1992, 45, 993-996.	2.9	8
81	Electromagnetic moments of unstable nuclei studied with polarized projectile fragments. Nuclear Physics A, 1995, 588, c135-c139.	1.5	8
82	Study of the early stage of the rapid-proton process. Nuclear Physics A, 1997, 621, 195-198.	1.5	8
83	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
84	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
85	Spectroscopic study of ^{11}Be through \hat{I}^2 -delayed neutron- and \hat{I}^3 -decays of spin-polarized ^{11}Li . Nuclear Physics A, 2004, 738, 201-205.	1.5	8
86	Structure of ^{11}Be studied in \hat{I}^2 -delayed neutron- and \hat{I}^3 -decay from polarized ^{11}Li . Nuclear Physics A, 2004, 746, 71-75.	1.5	8
87	Isobaric analog resonances of the $N=21$ nucleus ^{35}Si . Physical Review C, 2012, 85, .	2.9	8
88	GEM-MSTPC: An active-target type detector in low-pressure He/CO_2 mixed gas. Journal of Instrumentation, 2012, 7, C03036-C03036.	1.2	8
89	Off-line test of the KISS gas cell. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 480-483.	1.4	8
90	OEDO, the energy-degrading beamline at RI Beam Factory. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	8

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91	Development of an α -particle 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, 163188.	1.6	8
92	Spin-oriented projectile fragments: The first application to g-factor measurements. Hyperfine Interactions, 1992, 75, 101-108.	0.5	7
93	A new measurement of the astrophysical $8\text{Li}(d, n)^7\text{Li}$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 674, 276-280.	4.1	7
94	Development of a gas cell-based laser ion source for RIKEN PALIS. Hyperfine Interactions, 2013, 216, 103-107.	0.5	7
95	Study of the multi-nucleon transfer reactions of $^{136}\text{Xe} + ^{198}\text{Pt}$ for producing exotic heavy nuclei. EPJ Web of Conferences, 2014, 66, 03044.	0.3	7
96	Development of the detector system for ^{136}Xe -decay spectroscopy at the KEK Isotope Separation System. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 338-340.	1.4	7
97	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
98	Stopping efficiency of an ECR charge breeder for axially injected ions. Review of Scientific Instruments, 2002, 73, 803-805.	1.3	6
99	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
100	Tokai Radioactive Ion Accelerator Complex (TRIAC). European Physical Journal: Special Topics, 2007, 150, 259-262.	2.6	6
101	Abnormal Li diffusion in LiGa by the formation of defect complex. Solid State Ionics, 2009, 180, 626-630.	2.7	6
102	THE STRUCTURE OF NEUTRON-RICH $^{28,29}\text{Mg}$ STUDIED THROUGH β^- -DECAY OF SPIN POLARIZED $^{28,29}\text{Na}$ BEAMS AT TRIUMF. Modern Physics Letters A, 2010, 25, 1972-1975.	1.2	6
103	Beta-decay spectroscopy of r-process nuclei around $N = 126$. EPJ Web of Conferences, 2016, 109, 08001.	0.3	6
104	Efficient two-color two-step laser ionization schemes of Os at $\lambda = 250$ nm and $\lambda = 307.9$ nm for heavy refractory elements. Measurements of ionization cross-sections and hyperfine spectra of tantalum and tungsten. Review of Scientific Instruments, 2019, 90, 115104.	1.3	6
105	β^- -ray transitions from the long-lived ^{29}Os metastable state in ^{29}Os .		
106	The ^{29}Os wave resonant state in ^{20}Na at stellar energies. Zeitschrift für Physik A, Atomic Nuclei, 1988, 331, 359-360.	0.3	5
107	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
108	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

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109	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
110	KEKCB-18GHz ECR charge breeder at TRIAC. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4411-4414.	1.4	5
111	On-Line Diffusion Tracing in Li Ionic Conductors by the Short-Lived Radioactive Beam of ^8Li . Japanese Journal of Applied Physics, 2008, 47, 6413-6415.	1.5	5
112	Toward Online Nanoscale Diffusion Measurements Using Radioactive ^8Li Tracer. Japanese Journal of Applied Physics, 2013, 52, 010205.	1.5	5
113	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
114	Present status of the KISS project. AIP Conference Proceedings, 2018, , .	0.4	5
115	First direct observation of isomeric decay in neutron-rich odd-odd ^{186}Ta . Physical Review C, 2021, 104,	2.9	5
116	Nuclear spectroscopy of r-process nuclei using KEK Isotope Separation System. Journal of Physics: Conference Series, 2020, 1643, 012138.	0.4	5
117	Spectroscopic tool for proton-rich nuclei: The $(^3\text{He}, ^6\text{He})$ reaction. Physical Review C, 1991, 43, 1821-1823.	2.9	4
118	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
119	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
120	Present status of the radioactive nuclear beam facility at KEK-Tanashi and the E-arena in the KEK-JAERI joint project. Nuclear Physics A, 2002, 701, 62-66.	1.5	4
121	Direct measurements of $(^1\pm, n)$ and (p, n) reaction cross sections using light neutron-rich radioactive nuclear beams. Nuclear Physics A, 2003, 718, 481-483.	1.5	4
122	Measurement of the $^{16}\text{N}(^1\pm, n)$ reaction cross section. Nuclear Physics A, 2003, 718, 484-486.	1.5	4
123	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
124	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
125	SUPERDEFORMED BAND IN ASYMMETRIC N > Z NUCLEUS ^{40}Ar . Modern Physics Letters A, 2010, 25, 1792-1795.	1.2	4
126	Gas-gain study of standard CERN GEM and Thick GEM in low-pressure He/CO ₂ mixed gas. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 625, 39-42.	1.6	4

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127	7Be- and 8B-reaction dynamics at Coulomb barrier energies. EPJ Web of Conferences, 2016, 117, 06006.	0.3	4
128	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
129	Beta decay of the axially asymmetric ground state of ^{192}Re . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 814, 136088.	4.1	4
130	Three-dimensional tracking multi-segmented proportional gas counter for β^2 -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
131	β^2 -decay spectroscopy of ^{209}Ta . Physical Review C, 2022, 105, 187.	2.9	4
132	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
133	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
134	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
135	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
136	A Systematic Study of Astrophysical Reaction Rates through ^8Li . , 2009, , .		3
137	Diffusion Experiment in Lithium Ionic Conductors with the Radiotracer of ^6Li : from Micro- to Nano-diffusion. , 2009, , .		3
138	Proton resonance elastic scattering in inverse kinematics on the medium heavy nucleus ^{68}Zn . European Physical Journal A, 2010, 46, 157-160.	2.5	3
139	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
140	Spin-polarization of radioactive ^{123}In s. by the tilted-foil method. European Physical Journal A, 2011, 47, 1.	2.5	3
141	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
142	Nanoscale diffusion tracing by radioactive ^8Li tracer. Japanese Journal of Applied Physics, 2014, 53, 110303.	1.5	3
143	β^2 -decay spectroscopy of r-process nuclei with $N = 126$ at KISS. AIP Conference Proceedings, 2014, , .	0.4	3
144	New measurement of the ^8Li reaction in a lower-energy re	0.9	3

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145	Time-of-flight mass spectrographs of high mass resolving power. International Journal of Modern Physics A, 2019, 34, 1942001.	1.5	3
146	KISS project. AIP Conference Proceedings, 2021, , .	0.4	3
147	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
148	Velocity and metastable state population distributions of laser-ablated neodymium. Review of Scientific Instruments, 2004, 75, 3775-3776.	1.3	2
149	Facilities and Methods: KEK-Jaeri Joint RNB Facility, TRIAC. Nuclear Physics News, 2004, 14, 28-31.	0.4	2
150	Diffusion of ⁸ Li Short-Lived Radiotracer in Li Ionic Conductors of NaTi-Type Intermetallic Compounds. Defect and Diffusion Forum, 2008, 273-276, 667-672.	0.4	2
151	Wall-loss distribution of charge breeding ions in an electron cyclotron resonance ion source. Review of Scientific Instruments, 2011, 82, 033508.	1.3	2
152	Tilted-foil technique for producing a spin-polarized radioactive isotope beam. European Physical Journal A, 2012, 48, 1.	2.5	2
153	KEK Isotope Separation System (KISS). Nuclear Physics News, 2018, 28, 25-28.	0.4	2
154	New energy-degrading beamline for in-flight RI beams, OEDO. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 143-147.	1.4	2
155	Development of a multi-segmented proportional gas counter for ¹² I-decay spectroscopy at KISS. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 421-424.	1.4	2
156	spectroscopy of the ^{29}Os nucleus. Physical Review C, 2021, 103, .	2.9	2
157	Spin-polarized radioactive beams and ¹² I-NMR experiments. Hyperfine Interactions, 1994, 84, 371-375.	0.5	1
158	⁸ Li and ¹⁸ F diffusion experiments in solids - an application of accelerated RNB -. Nuclear Physics A, 2004, 746, 293-297.	1.5	1
159	Study of Stellar Reactions in Explosive Hydrogen Burning with CRIB. Nuclear Physics A, 2005, 758, 733-736.	1.5	1
160	Direct measurement of [⁸ Li+d reactions of astrophysical interest. AIP Conference Proceedings, 2008, , .	0.4	1
161	PRESENT STATUS OF CHARGE-BREEDING IN KEKCB AT TRIAC. , 2009, , .		1
162	BARRIER DISTRIBUTION OF QUASI-ELASTIC BACKWARD SCATTERING IN VERY HEAVY REACTION SYSTEMS. International Journal of Modern Physics E, 2010, 19, 989-996.	1.0	1

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163	Development of the GEM-MSTPC for studies of astrophysical nuclear reaction rates. , 2010, , .		1
164	Wall-loss distribution of charge breeding ions in an electron cyclotron resonance ion source. Review of Scientific Instruments, 2012, 83, 02A910.	1.3	1
165	Direct measurement of the [¹⁸ Ne(\hat{I}_{\pm} ,p)][²¹ Na] reaction. , 2012, , . 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
166	Present Status of KEK Isotope Separation System. EPJ Web of Conferences, 2014, 66, 11017.	1.4	1
167	Search for Efficient Laser Resonance Ionization Schemes of Refractory Elements for KISS. , 2015, , .	0.3	1
168	Elastic scattering of ¹⁷ O+ ²⁰⁸ Pb at energies near the Coulomb barrier. EPJ Web of Conferences, 2016, 117, 08027.	0.3	1
170	⁸ B + ²⁰⁸ Pb Elastic Scattering at Coulomb Barrier Energies. Journal of Physics: Conference Series, 2018, 966, 012010.	0.4	1
171	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
172	The Proron threshold states in ²¹ Mg relevant to the rp-process. Zeitschrift für Physik A, Atomic Nuclei, 1989, 334, 511-512.	0.3	0
173	Nuclear polarization in core ions of microclusters, "snowballs"™ in superfluid helium. European Physical Journal D, 1996, 46, 369-370.	0.4	0
174	Nuclear Physics Programs at KEK and the JHF. Nuclear Physics News, 1998, 8, 9-18.	0.4	0
175	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
176	Low-energy radioactive-ion beam separator at CNS and resonance scattering experiments. AIP Conference Proceedings, 2004, , .	0.4	0
177	Study of Astrophysical (\hat{I}_{\pm} , n) and (p, n) Reactions on Light Neutron-Rich Nuclei by Means of Low-Energy RNB. AIP Conference Proceedings, 2004, , .	0.4	0
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