

# Hidetoshi Akimune

## List of Publications by Year in descending order

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243  
papers

6,963  
citations

57758

44  
h-index

71685

76  
g-index

247  
all docs

247  
docs citations

247  
times ranked

2580  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for a Narrow $S=+1$ Baryon Resonance in Photoproduction from the Neutron. Physical Review Letters, 2003, 91, 012002.	7.8	779
2	Magnetic spectrometer Grand Raiden. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 422, 484-488.	1.6	250
3	Candidate for the $2^{-}$ Hoyle state at $E_x = 12.9$ MeV in $^{12}\text{C}$ . Physical Review Letters, 1999, 82, 3216-3219.	7.8	206
4	Excitation of Isovector Spin-Dipole Resonances and Neutron Skin of Nuclei. Physical Review Letters, 1999, 82, 3216-3219.	7.8	168
5	The $^{13}\text{C}(\alpha, n)^{16}\text{O}$ and $^{13}\text{C}(\alpha, p)^{14}\text{N}$ reactions at forward angles with photon energies from 1.5 to 2.4 GeV. Physical Review C, 2006, 73, .	2.9	154
7	Study of the cluster state at $E_x = 10.3$ MeV in $^{12}\text{C}$ . Nuclear Physics A, 2004, 738, 268-272.	4.1	133
8	Beam-Polarization Asymmetries for the $^{13}\text{C}(\alpha, n)^{16}\text{O}$ and $^{13}\text{C}(\alpha, p)^{14}\text{N}$ reactions for $E_\alpha = 1.5$ to $2.4$ GeV. Physical Review Letters, 2003, 91, 092001.	7.8	118
9	GT strengths studied by $(^3\text{He}, t)$ reactions and nuclear matrix elements for double beta decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 394, 23-28.	4.1	113
10	Isoscalar giant resonances in the Sn nuclei and implications for the asymmetry term in the nuclear-matter incompressibility. Physical Review C, 2010, 81, .	2.9	113
11	Near-Threshold Diffractive $\rho$ -Meson Photoproduction from the Proton. Physical Review Letters, 2005, 95, 182001.	7.8	107
12	Evidence for the $2^{-}$ Hoyle state at $E_x = 12.9$ MeV in $^{12}\text{C}$ . Physical Review Letters, 1999, 82, 3216-3219.	2.9	100
13	Systematics of the bimodal isoscalar giant dipole resonance. Physical Review C, 2004, 69, .	2.9	95
14	The $(t, \text{He}3)$ and $(\text{He}3, t)$ reactions as probes of Gamow-Teller strength. Physical Review C, 2006, 74, .	2.9	92
15	Direct proton decay from the Gamow-Teller resonance in $^{208}\text{Bi}$ . Physical Review C, 1995, 52, 604-615.	2.9	91
16	Cross section measurements of the $^{181}\text{Ta}(\alpha, n)^{184}\text{Ta}$ reaction near neutron threshold and the p-process nucleosynthesis. Physical Review C, 2003, 67, .	2.9	91
17	Multi-GeV laser-electron photon project at SPring-8. Nuclear Physics A, 2001, 684, 71-79.	1.5	87

#	ARTICLE	IF	CITATIONS
19	The Giant Monopole Resonance in the Sn Isotopes: Why is Tin so "Fluffy"? Nuclear Physics A, 2007, 788, 36-43.	1.5	87
20	Fragmentation and splitting of Gamow-Teller resonances in Sn(3He,t)Sb charge-exchange reactions, A=112-124. Physical Review C, 1995, 51, 526-540.	2.9	86
21	Isoscalar giant dipole resonance in 208Pb via inelastic $\hat{I}_{\pm}$ scattering at 400 MeV and nuclear incompressibility. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 557, 12-19.	4.1	78
22	Photon neutron cross sections for Mo isotopes: A step toward a unified understanding of $\frac{d\sigma}{d\Omega} \propto \frac{1}{k} \left[ \frac{1}{2} \left( \frac{d\sigma}{d\Omega} \right)_{\text{photon}} + \left( \frac{d\sigma}{d\Omega} \right)_{\text{neutron}} \right]$	2.9	76
23	Consistent analysis of the $^{12}\text{C}(\alpha, n)^{15}\text{C}$ reaction $\frac{d\sigma}{d\Omega} \propto \frac{1}{k} \left[ \frac{1}{2} \left( \frac{d\sigma}{d\Omega} \right)_{\text{photon}} + \left( \frac{d\sigma}{d\Omega} \right)_{\text{neutron}} \right]$ excitation of the $^{12}\text{C}$ Hoyle state populated in proton and $\hat{I}_{\pm}$ -particle inelastic scattering. Physical Review C, 2012, 86, .	2.9	74
24	Neutron-skin thickness in neutron-rich isotopes. Nuclear Physics A, 2004, 731, 224-234.	1.5	68
25	Search for the $^{12}\text{C}(\alpha, n)^{15}\text{C}$ bound state via $^{12}\text{C}(\alpha, n)^{15}\text{C}$ reaction $\frac{d\sigma}{d\Omega} \propto \frac{1}{k} \left[ \frac{1}{2} \left( \frac{d\sigma}{d\Omega} \right)_{\text{photon}} + \left( \frac{d\sigma}{d\Omega} \right)_{\text{neutron}} \right]$	4.1	68
26	The $^{71}\text{Ga}(3\text{He}, \alpha)^{68}\text{Zn}$ reaction and the low-energy neutrino response. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 706, 134-138. <a href="https://arxiv.org/abs/1107.4314">https://arxiv.org/abs/1107.4314</a>	4.1	65
27		7.8	64
28	Reaction at 420 MeV. Physical Review Letters, 2007, 99, 202501. Evidence for the Isoscalar Giant Dipole Resonance in $^{208}\text{Pb}$ Using Inelastic $\hat{I}_{\pm}$ Scattering at and near $0^{\circ}$ . Physical Review Letters, 1997, 79, 609-612.	7.8	63
29	Differential Cross Section and Photon-Beam Asymmetry for the $^{13}\text{C}(\alpha, n)^{16}\text{O}$ Reaction at $E_{\alpha} = 1.5$ - $2.4$ MeV. Physical Review Letters, 2006, 97, 082003.	7.8	62
30	Giant monopole resonance in even-A Cd isotopes, the asymmetry term in nuclear incompressibility, and the "softness" of Sn and Cd nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 447-450.	4.1	62
31	Systematic study of $^{1/2}3$ giant resonances in Sm isotopes via multipole decomposition analysis. Physical Review C, 2003, 68, .	2.9	61
32	Photodisintegration of $^9\text{Be}$ with laser-induced Compton backscattered $\gamma$ rays. Physical Review C, 2000, 63, .	2.9	59
33	Soft Dipole Resonance in the Neutron-Skin Nucleus $^6\text{He}$ . Physical Review Letters, 2000, 85, 262-265. $\frac{d\sigma}{d\Omega} \propto \frac{1}{k} \left[ \frac{1}{2} \left( \frac{d\sigma}{d\Omega} \right)_{\text{photon}} + \left( \frac{d\sigma}{d\Omega} \right)_{\text{neutron}} \right]$	7.8	58
34			

#	ARTICLE	IF	CITATIONS
37	Excitation and Decay of the Isovector Giant Monopole Resonances via the $Pb208(He3,tp)$ Reaction at 410 MeV. <i>Physical Review Letters</i> , 2003, 90, 202501.	7.8	51
38	Gamow-Teller strengths from $(t,3He)$ charge-exchange reactions on light nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 418, 27-33.	4.1	50
39	High resolution $(t,3He)$ charge-exchange reactions on light nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 418, 27-33.	7.8	48
40	experiment on the double- $\beta$ decaying nuclei	2.9	47
41	Measurement of the Gamow-Teller strength distribution in $Co58$ via the $Ni58(t,He3)$ reaction at 115 MeV/nucleon. <i>Physical Review C</i> , 2006, 74, .	2.9	46
42	Separation of Pygmy Dipole and $M1$ Resonances in $Zr90$ by a High-Resolution Inelastic Proton Scattering Near $0^\circ$ . <i>Physical Review Letters</i> , 2012, 108, 262501.	7.8	46
43	Isovector and isoscalar spin-flip $M1$ strengths in $B11$ . <i>Physical Review C</i> , 2004, 70, .	2.9	44
44	Development of high intensity laser-electron photon beams up to 2.9 GeV at the SPring-8 LEPS beamline. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 737, 184-194.	1.6	44
45	Partial Photoneutron Cross Sections for the Isomeric State $Tam180$ . <i>Physical Review Letters</i> , 2006, 96, 192501.	7.8	43
46	Spin-isospin resonances in nuclei. <i>Nuclear Physics A</i> , 1996, 599, 223-244.	1.5	42
47	Photodisintegration of deuterium and big bang nucleosynthesis. <i>Physical Review D</i> , 2003, 68, .	4.7	41
48	Photoneutron cross sections for $^{118}Mn$ and the $^{124}Mn$ $\beta$ -ray strength function method. <i>Physical Review C</i> , 2011, 84, .	2.9	39
49	Photodisintegration cross section measurements on $W186$ , $Re187$ , and $Os188$ : Implications for the Re-Os cosmochemistry. <i>Physical Review C</i> , 2005, 72, .	2.9	38
50	$M1$ Strength for Zirconium Nuclei in the Photoneutron Channel. <i>Physical Review Letters</i> , 2008, 100, 162502.	7.8	38
51	$\beta$ -ray strength function method and its application to $^{107}Pd$ . <i>Physical Review C</i> , 2010, 82, .	2.9	37
52	Compressional-mode giant resonances in deformed nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 549, 58-63.	4.1	36
53	Distribution of the Gamow-Teller strength in $^{90}Nb$ and $^{208}Bi$ . <i>Physical Review C</i> , 2001, 64, .	2.9	34
54	Photoneutron cross section measurements on the $N=82$ nuclei $La139$ and $Pr141$ : Implications for p-process nucleosynthesis. <i>Physical Review C</i> , 2006, 74, .	2.9	34

#	ARTICLE	IF	CITATIONS
55	Near-Threshold Photoproduction of $\Lambda$ at $1520 \text{ MeV}$ . Physical Review C, 2009, 80, .	7.37	33
56	Backward-angle photoproduction from protons at $1 \text{ GeV}$ . Physical Review C, 2009, 80, .	2.9	33
57	Photoneutron Cross Sections for Au Revisited: Measurements with Laser Compton Scattering $^3\text{-Rays}$ and Data Reduction by a Least-Squares Method. Journal of Nuclear Science and Technology, 2011, 48, 834-840.	1.3	33
58	Testing the mutually enhanced magicity effect in nuclear incompressibility via the giant monopole resonance in the 204,206,208Pb isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 178-181.	4.1	33
59	$(^3\text{He},t)$ Charge-Exchange Reactions at $\theta_{\text{lab}} = 0^\circ$ . Nuclear Physics A, 1994, 569, 245-254.	1.5	32
60	Elastic scattering of polarized protons from $^{58}\text{Ni}$ at $192, 295, \text{ and } 400 \text{ MeV}$ . Physical Review C, 1998, 57, 1749-1755.	2.9	32
61	Cross Sections and Beam Asymmetry for $K^+$ from the Deuteron at $1.5 \text{ GeV}$ . Physical Review C, 2009, 80, .	7.8	32
62	Determination of the number of pulsed laser-Compton scattering photons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 462-466.	1.6	32
63	Total and partial photoneutron cross sections for Pb isotopes. Physical Review C, 2012, 86, .	2.9	32
64	Splitting of ISGMR strength in the light-mass nucleus $^{24}\text{Mg}$ due to ground-state deformation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 343-346.	4.1	31
65	Effect of ground-state deformation on isoscalar giant resonances in $^{28}\text{Si}$ . Physical Review C, 2016, 93, .	2.9	31
66	Charge-exchange reactions with a secondary triton beam. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 432, 299-304.	1.6	30
67	Nuclear structure of the spin-isospin excited states in $^{13}\text{N}$ studied via the $(^3\text{He},t)$ and $(^3\text{He},tp)$ reactions at $450 \text{ MeV}$ . Physical Review C, 2004, 69, .	2.9	30
68	$^3\text{He}$ -induced isoscalar giant dipole strength in $^{58}\text{Ni}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 637, 43-47.	4.1	29
69	Excitation of superdeformed and $^{28}\text{Si}$ and possible excitation of superdeformed and $^{28}\text{Si}$ . Physical Review C, 2009, 80, .	2.9	29
70	Forward coherent $\pi^+$ -meson photoproduction from deuterons near threshold. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 658, 209-215.	4.1	28
71	Deformation effects on isoscalar giant resonances in $^{24}\text{Mg}$ . Physical Review C, 2016, 93, .	2.9	28
72	Measurement of the $^3\text{He} + ^{41}\text{K} \rightarrow ^4\text{He} + ^{37}\text{Ar}$ reaction at backward angles. Physical Review C, 2007, 76, .	2.9	27

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73	Measurement of spin-density matrix elements for $\pi^-p$ -meson photoproduction from protons and deuterons near threshold. Physical Review C, 2010, 82.	2.9	27
74	Photoneutron cross sections for $^{96}\text{Zr}$ : A systematic experimental study of photoneutron and radiative neutron capture cross sections for zirconium isotopes. Physical Review C, 2010, 81, .	2.9	27
75	Nature of 10 MeV state in $^{12}\text{C}$ . Journal of Physics: Conference Series, 2013, 436, 012006.	0.4	27
76	Isospin and spin-orbital structures of $J^\pi = 1^+$ states excited in $^{28}\text{Si}$ . Physical Review C, 1997, 55, 1137-1145.	2.9	26
77	Polarization transfer observables for proton inelastic scattering from $^{12}\text{C}$ at $0^\circ$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 61-66.	4.1	26
78	$^{13}\text{C}$ -ray strength function for $^{116}\text{Sn}$	2.9	26
79	Are there nuclear structure effects on the isoscalar giant monopole resonance and nuclear incompressibility near $A^{1/4} \approx 90$ ?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 482-485.	4.1	25
80	Isospin character of low-lying states in $^{56}\text{Fe}$ . Physical Review C, 1996, 53, 2718-2731.	2.9	24
81	Gamow-Teller Strengths of the Inverse Beta Transition $Y_{176}^{\beta^+} L_{176}$ for Spectroscopy of Proton-Proton and Other Sub-MeV Solar Neutrinos. Physical Review Letters, 2000, 85, 4442-4445.	7.8	24
82	Measurement of the incoherent $\pi^-p$ photoproduction near threshold. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 684, 5-10.	2.9	24
83	neutrino capture rate from the $^7\text{Li}$ reaction at 65 A MeV. Physical Review C, 2015, 91, .	2.9	24
84	Gamow-Teller transitions in the $(^7\text{Li}, ^7\text{Be})$ reaction at 65 A MeV. Physical Review C, 1999, 60, .	2.9	23
85	Isovector Electric Monopole Resonance in $^{60}\text{Ni}$ . Physical Review Letters, 1999, 83, 690-693.	7.8	22
86	Di-triton molecular structure in $^6\text{He}$ . Physical Review C, 2003, 67, .	2.9	22
87	Gamow-Teller strength for the analog transitions to the first $T = 1$ in $^{20}\text{Ne}$ . Physical Review C, 2008, 77, .	2.9	22
88	Systematic analysis of inelastic $^{\pm}\text{He}$ scattering off self-conjugate $A \geq 4$ nuclei. Physical Review C, 2018, 97, .	2.9	22
89	Polarization transfer in the $^{16}\text{O}(p, p^{\prime 2})$ reaction at forward angles and structure of the spin-dipole resonances. Physical Review C, 2002, 65, .	2.9	21
90	Analog of the giant dipole resonance in $^4\text{He}$ . Physical Review C, 2007, 76, .	2.9	21



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91	Measurement of the $^{80}\text{Se}(\hat{1}^3, n)$ Cross Section Using Laser-Compton Scattering $\hat{1}^3$ -Rays. Journal of Nuclear Science and Technology, 2010, 47, 367-375.	4.1	21
92	Excitation of giant monopole resonance in 208Pb and 116Sn using inelastic deuteron scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 387-390.	4.1	21
93	Spin-isospin responses of 71Ga for solar neutrinos studied by 71Ga(3He,t $\hat{1}^3$ )71Ge reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 433, 257-262.	4.1	20
94	Direct proton decay and microscopic structure of the spin-dipole resonance in 208Bi. Physical Review C, 1999, 61, .	2.9	20
95	Evidence for a 3.8 MeV state in 9B. Physical Review C, 2001, 64, .	2.9	20
96	Structure and decay of the s-hole state in 11B studied via the 12C(p,2p)11B $\hat{1}^-$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 551, 255-261.	4.1	20
97	New data acquisition system for the focal plane polarimeter of the Grand Raiden spectrometer. IEEE Transactions on Nuclear Science, 1996, 43, 2488-2491.	2.0	19
98	Excitations of the $\hat{1}^+$ -cluster in A=6 and 7 nuclei. Physical Review C, 2004, 69, .	2.9	19
99	Surface channel effect on $\gamma$ -ray response functions of coaxial germanium detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 548, 455-463.	1.6	19
100	Di-trinucleon cluster resonances in A=6 isobar nuclei. Physical Review C, 2005, 71, .	2.9	19
101	Excitation of dipole resonances in He4 and in the $\hat{1}^\pm$ clusters of Li6 and Li7. Physical Review C, 2006, 74, .	2.9	19
102	Photodisintegration of $^{80}\text{Se}$ . Implications for the $^{80}\text{Se}(\hat{1}^3, n)$ cross section. Journal of Nuclear Science and Technology, 2010, 47, 367-375.	2.9	19
103	Interference Effect between $^{80}\text{Se}(\hat{1}^3, n)$ and $^{80}\text{Se}(\hat{1}^3, p)$ Reactions. Journal of Nuclear Science and Technology, 2010, 47, 367-375.	2.9	19
104	Atomic charge exchange between fast helium ions and targets from carbon to bismuth at $\hat{1}^2=0.36$ . Physical Review A, 1994, 50, 3992-3999.	7.8	19
105	Isospin symmetry-structure study at new high-resolution course of RCNP. Nuclear Physics A, 2001, 687, 311-320.	1.5	18
106	Thin ice target for 16O(p,p $\hat{1}^2$ ) experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 459, 171-176.	1.6	17

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109	Dipole Excitation of $^{6,7}\text{Li}$ Clusters in $^{6,7}\text{Li}$ . Physical Review Letters, 2001, 87, 122502.	7.8	17
110	Compression-mode resonances in the calcium isotopes and implications for the asymmetry term in nuclear incompressibility. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135185.	4.1	17
111	Spin-isospin excitations in nuclei via $(^3\text{He}, t)$ reactions at 450 MeV. Nuclear Physics A, 1994, 577, 43-50.	1.5	16
112	Particle decays from $^{12}\text{B}$ and $^{12}\text{N}$ mirror nuclei. Physical Review C, 1998, 57, 3153-3166.	2.9	16
113	Observation of isoscalar multipole strengths in exotic doubly-magic $^{56}\text{Ni}$ in inelastic $^2\text{He}$ scattering in inverse kinematics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 371-375.	4.1	16
114	Candidates for the $5^-\text{He}$ condensed state in $^{20}\text{Ne}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136411.	4.1	16
115	Elastic proton scattering from $^4\text{He}$ at 297 MeV. Physical Review C, 2001, 63, .	2.9	15
116	Response of a high-resolution high-energy photon spectrometer (HHS) to monochromatic high-energy gamma rays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 554, 306-313.	1.6	15
117	Measurement of $^{76}\text{Se}$ and $^{78}\text{Se}$ ( $^3\text{He}, n$ ) Cross Sections. Journal of Nuclear Science and Technology, 2011, 48, 1017-1024.	1.3	15
118	Proton inelastic scattering to the dilute $^2\text{He}$ -cluster condensed $0^+$ state at $E_x = 7.654\text{ MeV}$ in $^{12}\text{C}$ . Physical Review C, 2010, 81, .	2.9	14
119	Compressional-mode resonances in the molybdenum isotopes: Emergence of softness in open-shell nuclei near $A = 90$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135608.	4.1	14
120	GSO-detector system for $(^7\text{Li}, ^7\text{Be})$ reaction at intermediate energies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 404, 34-40.	1.6	13
121	Microscopic structure of the Gamow-Teller resonance in $^{58}\text{Cu}$ . Physical Review C, 2003, 68, .	2.9	13
122	Isospin mixing of the isobaric analog state studied in a high-resolution $^{56}\text{Fe}(\text{Tj ETQqO O O rgBT /Overlock 10 Tf 50 222 Td}$ ( $^3\text{He}, n$ ) reaction at intermediate energies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 404, 34-40.	2.9	13
123	The reaction: A means to study the microscopic structure of spin-isospin modes. Nuclear Physics A, 1994, 577, 57-66.	1.5	12
124	Experiment at SPring-8. Nuclear Physics A, 2000, 670, 332-339.	1.5	12
125	Trinucleon cluster structures in $^6\text{Li}$ . Physical Review C, 2004, 69, .	2.9	12
126	Alpha cluster structure in $^{56}\text{Ni}$ . Journal of Physics: Conference Series, 2013, 436, 012010.	0.4	12



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127	Excitation and decay of the isovector spin-flip giant monopole resonance via the $^{208}\text{Pb}(^3\text{He},\text{tp})$ reaction at 410 MeV. Nuclear Physics A, 2004, 731, 121-128.	1.5	11
128	The $(^7\text{Li},^7\text{Be})$ reaction as a spin-probe for isovector excitations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 402, 367-370.	1.6	10
129	A new astrophysical $\hat{1}^3$ probe and its applications. Nuclear Physics A, 2003, 718, 199-206.	1.5	10
130	Gamow $\hat{\epsilon}$ -Teller strength distributions of $^{116}\text{Sb}$ and $^{122}\text{Sb}$ using the $^{3}\text{He}, \text{t}$ charge-exchange reaction. European Physical Journal A, 2020, 56, 1.	2.5	10
131	Zero-degree proton inelastic scattering to the $1_+, T=0$ and $T=1$ states in $^{12}\text{C}$ . Physical Review C, 1995, 51, 3162-3168.	2.9	9
132	Cluster-Excitations in $^6\text{Li}$ and $^7\text{Li}$ . Progress of Theoretical Physics Supplement, 2002, 146, 603-604.	0.1	9
133	The effect of deformation in the isoscalar giant dipole resonance. Nuclear Physics A, 2004, 731, 41-48.	1.5	9
134	Proton decay from the isoscalar giant dipole resonance in $^{58}\text{Ni}$ . Physical Review C, 2009, 80, .	2.9	9
135	Effect of the nuclear medium on $\hat{1}^{\pm}$ -cluster excitation in $^6\text{Li}$ . Physical Review C, 2017, 95, .	2.9	9
136	Reaction mechanism of $^6\text{Li}$ scattering at 600 MeV. European Physical Journal A, 2000, 7, 367-375.	2.5	8
137	Dilute cluster structure in $^{11}\text{B}$ . Nuclear Physics A, 2007, 788, 301-306.	1.5	8
138	Direct proton decay of the isoscalar giant dipole resonance in $^{208}\text{Pb}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 674, 281-285.	4.1	8
139	Cluster structure of broad resonances near threshold in $^{12}\text{C}$ and $^{16}\text{O}$ . Journal of Physics: Conference Series, 2014, 569, 012009.	0.4	8
140	First experimental determination of the radiative-decay probability of the $^{12}\text{C}$ state in $^{12}\text{C}$ for estimating the triple alpha reaction rate in high temperature environments. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 817, 136283.	4.1	8
141	Experimental Study of Nuclear Astrophysics with Photon Beams. AIP Conference Proceedings, 2010, , .	0.4	7
142	Measurement of microwave radiation from electron beam in the atmosphere. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 810, 44-50.	1.6	7
143	Spin-dipole nuclear matrix element for the double beta decay of $^{76}\text{Ge}$ by the $^3\text{He}, \text{t}$ charge-exchange reaction. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 05LT01.	3.6	7
144	Structure of the $11/2^+$ analog state in $^{91}\text{Nb}$ populated by the $^{90}\text{Zr}(\hat{1}, \text{t})$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 502, 1-8.	4.1	6

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145	Study of giant monopole resonance in $^{58}\text{Ni}$ via the $(\alpha, n)$ reaction at $0^\circ$ . Nuclear Physics A, 2001, 687, 58-63.	1.5	6
146	Cluster fragmentations of deep(1s)-hole states in light nuclei. Nuclear Physics A, 2004, 738, 451-454.	1.5	6
147	Damping mechanisms of high-lying single-particle states in $^{91}\text{Nb}$ . Physical Review C, 2007, 75, .	2.9	6
148	Spatial anisotropy of neutrons emitted from the $^{56}\text{Fe}(\alpha, n)^{59}\text{Fe}$ reaction. Nuclear Physics A, 2001, 687, 270-275.	1.5	5
149	Direct and statistical proton decay from isovector giant resonances in $^{90}\text{Nb}$ . Nuclear Physics A, 2001, 687, 270-275.	1.5	5
150	The $\alpha$ -induced giant dipole resonance: Evidence for the isoscalar giant dipole resonance in $^{208}\text{Pb}$ from inelastic $\alpha$ scattering at $0^\circ$ . Nuclear Physics A, 1996, 599, 277-282.	1.5	4
151	Photodisintegration of $^9\text{Be}$ and the reaction rate for $^9\text{Be}(\alpha, n)^8\text{Be}$ . Nuclear Physics A, 2001, 688, 340-343.	1.5	4
152	A new method for measuring nuclear skins. AIP Conference Proceedings, 2002, .	0.4	4
153	Photonuclear reaction studies at synchrotron radiation facilities in Japan. Nuclear Physics A, 2004, 738, 136-142.	1.5	4
154	Detection of nuclear de-excitation gamma-rays in water Cherenkov detector. Nuclear Physics, Section B, Proceedings Supplements, 2005, 139, 72-76.	0.4	4
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