

Atsushi Tamii

List of Publications by Year in descending order

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163
papers

3,126
citations

147801

31
h-index

161849

54
g-index

164
all docs

164
docs citations

164
times ranked

1731
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete Electric Dipole Response and the Neutron Skin in $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle mml:mmultiscripts \langle mml:mi \rangle Pb \langle /mml:mi \rangle \langle mml:mprescripts \rangle / \rangle \langle mml:none \rangle / \rangle \langle mml:mn \rangle 208 \langle /mml:mn \rangle \langle /mml:mmultiscripts \rangle \langle /mml:math \rangle$. Physical Review Letters, 2011, 107, 062502.	7.8	418
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	Excitation of Isovector Spin-Dipole Resonances and Neutron Skin of Nuclei. Physical Review Letters, 1999, 82, 3216-3219.	7.8	168
4	Candidate Resonant Tetraneutron State Populated by the $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle mml:mrow \rangle \langle mml:mrow \rangle \langle mml:mmultiscripts \rangle \langle mml:mrow \rangle \langle mml:mi \rangle He \langle /mml:mi \rangle \langle /mml:mrow \rangle \langle mml:mprescripts \rangle / \rangle \langle mml:none \rangle / \rangle \langle mml:mrow \rangle \langle mml:mn \rangle 4 \langle /mml:mn \rangle \langle /mml:mrow \rangle \langle /mml:mmultiscripts \rangle \langle /mml:mrow \rangle \langle mml:mo$		

#	ARTICLE	IF	CITATIONS
19	olution study of the $\langle \text{mml:math xmlns:mml}="http://www.w3.org/1998/Math/MathML" \text{multiscripts} \langle \text{mml:mi mathvariant}="normal" \text{Be} \langle \text{mml:mi} \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} \rangle \rangle \rangle$		

#	ARTICLE	IF	CITATIONS
37	<p>Physical evaluation of the $\langle \sigma \rangle$ for the $^{71}\text{Ga}(n,\gamma)^{72}\text{Ga}$ reaction. Physical Review C, 2015, 91, .</p> <p>neutrino capture rate from the $^{71}\text{Ga}(n,\nu e)^{72}\text{Ga}$ reaction. Physical Review C, 2015, 91, .</p>	2.9	21
38	Gamow-Teller transitions in the $^{7}\text{Li}(^7\text{Be},n)^{13}\text{C}$ reaction at 65 A MeV. Physical Review C, 1999, 60, .	2.9	23
39	FIRST RESULTS WITH THE RISING ACTIVE STOPPER. International Journal of Modern Physics E, 2008, 17, 8-20.	1.0	23
40	High-resolution spectroscopy of ^{96}Zr and extraction of Gamow-Teller strengths with the $^{96}\text{Zr}(n,\gamma)^{97}\text{Zr}$ reaction. Physical Review C, 2015, 91, .	2.9	21
41	New data acquisition system for the focal plane polarimeter of the Grand Raiden spectrometer. IEEE Transactions on Nuclear Science, 1996, 43, 2488-2491.	2.9	20
42	Strength function and level density of ^{19}Pb from forward-angle proton scattering. Physical Review C, 2004, 70, .	2.0	19
43	Isoscalar giant monopole, dipole, and quadrupole resonances in ^{92}Mo from forward-angle proton scattering. Physical Review C, 2004, 70, .	2.9	19
44	High-resolution study of ^{11}C Gamow-Teller strengths as a test case of ab initio shell-model calculations. Physical Review C, 2004, 70, .	2.9	18
45	Level widths of ^{14}O states studied in the high-resolution $^{14}\text{O}(^3\text{He},t)^{14}\text{O}$ reaction. Physical Review C, 2005, 71, .	2.9	18
46	Pionic enhancement in quasielastic (p, n^*) reactions at 345 MeV. Physical Review C, 2004, 69, .	2.9	17
47	Cluster states in ^{13}C . Modern Physics Letters A, 2006, 21, 2393-2401.	1.2	17
48	Particle decays from ^{12}B and ^{12}N mirror nuclei. Physical Review C, 1998, 57, 3153-3166.	2.9	16
49	Candidates for the $5\frac{1}{2}^+$ condensed state in ^{20}Ne . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136411.	4.1	16
50	Elastic proton scattering from ^4He at 297 MeV. Physical Review C, 2001, 63, .	2.9	15
51	Origin of fine structure of the giant dipole resonance in ^{208}Pb shell nuclei. Physical Review C, 2018, 97, .	2.9	15
52	Response Measurement of a Bonner Sphere Spectrometer for High-Energy Neutrons. IEEE Transactions on Nuclear Science, 2012, 59, 161-166.	2.0	14
53	Gamow-Teller transition strengths in the intermediate nucleus of the ^{116}Cd double- β decay by the $^{116}\text{Cd}(n,\gamma)^{117}\text{Cd}$ reaction. Physical Review C, 2015, 91, .	2.9	12
54			

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55	Neutron Dosimetry in Quasi-Monoenergetic Fields of 244 and 387 MeV. IEEE Transactions on Nuclear Science, 2013, 60, 299-304.	2.0	12
56	Repulsive three-body force and channel-coupling effects via C12+C12 scattering at 100A MeV. Physical Review C, 2017, 95, .	2.9	12
57	Analyzing powers A_{yy} , A_{xx} , A_{xz} and A_y in the $dd \hat{\alpha}^3$ He reaction at 270 MeV. European Physical Journal A, 2007, 33, 39-46.	2.5	11
58	Studies of the Giant Dipole Resonance in 27Al, 40Ca, 56Fe, 58Ni and 208Pb with high energy-resolution inelastic proton scattering under 0° . European Physical Journal A, 2018, 54, 1.	2.5	11
59	Complete Set of Polarization Transfer Observables for the $^{12}\text{C}(p,n)$ Reaction at 296 MeV and 0° . Journal of the Physical Society of Japan, 2008, 77, 014201.	1.6	10
60	Gamow-Teller strength distributions of ^{116}Sb and ^{122}Sb using the $^3\text{He}, t$ charge-exchange reaction. European Physical Journal A, 2020, 56, 1.	2.5	10
61	$\frac{d\sigma}{d\Omega}(\theta, \phi) = \frac{d\sigma_{\text{R}}}{d\Omega}(\theta, \phi) + \frac{d\sigma_{\text{I}}}{d\Omega}(\theta, \phi)$	2.9	9
62	Half-life determination of $T_{1/2} = 1$ and $T_{1/2} = 1.2$ proton-rich nuclei and the η . European Physical Journal A, 2017, 53, 1.	2.5	9
63	s-wave resonances for the $^{18}\text{F}(p, \alpha)^{15}\text{O}$ reaction in novae. European Physical Journal A, 2019, 55, 1.	2.5	9
64	Heavy-Ion Double-Charge Exchange Study via $^{12}\text{C}(^{18}\text{O}, ^{18}\text{Ne})^{12}\text{Be}$ Reaction. , 2015, , .		8
65	Excitation and γ -decay coincidence measurements at the GRAF beamline for studies of pygmy and giant dipole resonances. European Physical Journal A, 2019, 55, 1.	2.5	8
66	First experimental determination of the radiative-decay probability of the ^{12}C state in ^{12}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
67	Polarization transfer and spin response functions of the $^2\text{H}(p, n)^2\text{H}$ reaction at 345 MeV. Physical Review C, 2004, 69, .	2.9	7
68	Wolfenstein parameters for $1/2$ proton knockout ($p, 2p$) reactions. Physical Review C, 2008, 77, .	2.9	7
69	Benchmark Experiment of Neutron Penetration through Iron and Concrete Shields for Hundreds-of-MeV Quasi-Monoenergetic Neutrons: Measurements of Neutron Spectrum by an Organic Liquid Scintillator. Nuclear Technology, 2009, 168, 304-309.	1.2	7
70	Damping mechanisms of high-lying single-particle states in ^{91}Nb . Physical Review C, 2007, 75, .	2.9	6
71	Complete set of polarization transfer coefficients for the $^3\text{He}, t$ charge-exchange reaction. $\frac{d\sigma}{d\Omega}(\theta, \phi) = \frac{d\sigma_{\text{R}}}{d\Omega}(\theta, \phi) + \frac{d\sigma_{\text{I}}}{d\Omega}(\theta, \phi)$	2.9	6
72	Benchmark Experiment of Neutron Penetration through Iron and Concrete Shields for Hundreds-of-MeV Quasi-Monoenergetic Neutrons: Measurements of Neutron Spectrum by a Multimoderator Spectrometer. Nuclear Technology, 2009, 168, 298-303.	1.2	6

#	ARTICLE	IF	CITATIONS
73	Search for Alpha Inelastic Condensed State in ^{24}Mg . Few-Body Systems, 2013, 54, 93-97.	1.5	6
74	Polarization transfer measurements for C^{12}		

#	ARTICLE	IF	CITATIONS
91	Measurement of A_y for the pd Breakup Reaction at 250 MeV. AIP Conference Proceedings, 2007, , .	0.4	2
92	Status of the investigation of the spin structure of d , 3H , and 3He at VBLHE using polarized and unpolarized deuteron beam. Physics of Atomic Nuclei, 2008, 71, 1495-1501.	0.4	2
93	Discrepancy of Cross Sections in pd Breakup Reactions at $E_p = 250$ MeV. Few-Body Systems, 2011, 50, 287-289.	1.5	2
94	Study of Tensor Correlations in 4He via the $^4He(p, dp)d$ and $^4He(p, dp)pn$ Reactions. Few-Body Systems, 2013, 54, 1353-1356.	1.5	2
95	Vector analyzing power A_y and tensor analyzing powers A_{yy} , A_{xx} , and A_{xz} in the reaction $d + ^3He \rightarrow p + ^3He$ at the energy of 200 MeV. Physics of Atomic Nuclei, 2015, 78, 918-928.	0.4	2
96	Measurement of \hat{I}^3 -rays from Giant Resonances of ^{16}O and ^{12}C with Application to Supernova Neutrino Detection. , 2016, , .		2
97	Spectroscopy of Pionic Atoms Via $(p, \pi^+)^{2}He$ Reaction. , 2017, , .		2
98	The structure of low-lying $1\pi^-$ states in $^{90,94}Zr$ from $(\hat{I}^{\pm}, \hat{I}^{\pm})$ and (p, π^{\pm}) reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136210.	4.1	2
99	Search for \hat{I}^{\pm} -cluster States in ^{13}C . , 2020, , .		2
100	Experimental Method for Neutron Elastic Scattering Cross-Section Measurement in Intermediate Energy Region at RCNP. Progress in Nuclear Science and Technology, 2011, 1, 20-23.	0.3	2
101	Weak isoscalar response of ^{11}B . Physics of Atomic Nuclei, 2004, 67, 1794-1798.	0.4	1
102	MEASUREMENTS OF THE TENSOR AND VECTOR ANALYZING POWERS FOR THE $d + ^3He \rightarrow p + ^3He + n$ REACTIONS AT 270 MeV. International Journal of Modern Physics A, 2005, 20, 646-648.	1.5	1
103	Search for supernarrow dibaryons via the $pd \rightarrow pp + X$ and $pd \rightarrow pd + X$ reactions. Physical Review C, 2006, 74, .	2.9	1
104	Tensor analyzing power T_{20} of the $dd \rightarrow ^3He + n$ and $dd \rightarrow ^3He + p$ reactions at zero angle for energies 140, 200, and 270 MeV. Physics of Atomic Nuclei, 2006, 69, 1271-1278.	0.4	1
105	Measurement of A_{zz} of pd radiative capture at $E_d = 196$ MeV. Few-Body Systems, 2008, 44, 179-181.	1.5	1
106	Measurement of the vector A_y and tensor A_{yy} , A_{xx} , A_{xz} analyzing powers for the $dd \rightarrow ^3He + p$ reaction at 200 MeV. European Physical Journal: Special Topics, 2008, 162, 133-136.	2.6	1
107	New Insights into the Structure of Exotic Nuclei Using the RISING Active Stopper. , 2009, , .		1
108	Measurements of the $^{116}Cd(p, n)$ and $^{116}Sn(n, p)$ reactions at 300 MeV for studying Gamow-Teller transition strengths in the intermediate nucleus of the ^{116}Cd double- \hat{I}^2 decay. , 2009, , .		1

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127	Spin-flip M1 strengths in [²⁰⁸ Pb.], 2009, , .		0
128	Response of Ionization Chambers to High-Energy Monoenergetic Neutrons. Nuclear Technology, 2009, 168, 5-10.	1.2	0
129	Response measurement of a Bonner sphere spectrometer for high-energy neutrons. , 2010, , .		0
130	Gamow-Teller Transitions and \hat{I}^2 -decay Half-life in Proton Rich pf-shell Nuclei. , 2010, , .		0
131	The investigation of short-range ^3He , ^3H and deuteron spin structure via the measurement of the angular distributions of the analyzing power in the $^3\text{He}(\vec{d}, \vec{d})^3\text{He}$ and $^3\text{H}(\vec{d}, \vec{d})^3\text{H}$ reactions at 140, 200 and 270 MeV. Physics of Particles and Nuclei Letters, 2011, 8, 1078-1080.	0.4	0
132	Alpha inelastic scattering and cluster structures in [²⁴ Mg.], 2011, , .		0
133	Gamow-Teller Transitions Starting from T[sub z] \hat{I}^2 Nucleus [⁴⁷ Ti.], 2011, , .		0
134	Gamow-Teller Transitions Starting from T[sub z] \hat{I}^2 Nucleus [⁴⁵ Sc.], 2011, , .		0
135	Study of the Three-Nucleon Force Effects in the $^2\text{H}(p, n)$ Breakup Reaction at 170 MeV. Few-Body Systems, 2013, 54, 1311-1314.	1.5	0
136	Electric dipole response of ^{208}Pb and constraints on the symmetry energy. , 2014, , .		0
137	Pygmy dipole resonance and dipole polarizability in ^{90}Zr . , 2014, , .		0
138	Measurement of the $^2\text{H}(p, n)$ Breakup Reaction at 170 MeV and the Three-Nucleon Force Effects. Few-Body Systems, 2014, 55, 729-732.	1.5	0
139	A Segmented Neutron Detector with a High Position Resolution for the $((p, pn))$ Reactions. , 2015, , .		0
140	Investigating Neutron-Proton Pairing insd-Shell Nuclei via $(p, ^3\text{He})$ and $(^3\text{He}, p)$ Transfer Reactions. , 2015, , .		0
141	Fabrication of isotopic and natural carbon foils by thermal cracking method and some issues. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 731-736.	1.5	0
142	Development of Neutron Polarization Measurement System for Studying NN interaction in Nuclear Medium. International Journal of Modern Physics Conference Series, 2016, 40, 1660073.	0.7	0
143	Measurement of $\langle \hat{I}^3 \rangle$ Rays from the Giant Resonances in ^{12}C and ^{16}O Excited by the $((p, p'))$ Reaction at 392 MeV. , 2020, , .		0
144	NUCLEON SPIN ASYMMETRY AND NUCLEON AND MESON EFFECTIVE MASSES. , 2002, , .		0

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145	Isospin- and Mirror-Symmetry Structures of Nuclei Studied through Weak, EM and Strong Interactions. , 2002, , .		0
146	MEASUREMENT OF NUCLEON-DEUTERON SCATTERING AS A GOOD PROBE TO STUDY THREE NUCLEON FORCES. , 2004, , .		0
147	MEASUREMENTS OF $n + d$ ELASTIC SCATTERING AT 250 MeV AND THE THREE-NUCLEON FORCES. , 2005, , .		0
148	TENSOR ANALYZING POWER OF THE $^{16}\text{O}(d, ^2\text{He})$ REACTION AT 0 DEGREES AND STRUCTURE OF THE SPIN-DIPOLE RESONANCES. , 2005, , .		0
149	CONSTRUCTION OF POLARIZED PROTON TARGET AND FIRST EXPERIMENT WITH ^6He . , 2005, , .		0
150	Search for Narrow Dibaryon Resonances via the $p + d$ Scattering. , 2007, , .		0
151	POLARIZATION MEASUREMENT OF POLARIZED PROTON SOLID TARGET VIA THE $\vec{P} + ^4\text{He}$ ELASTIC SCATTERING. , 2007, , .		0
152	DESIGN OF A POLARIZED $^6\text{Li}^{3+}$ ION SOURCE AND SIMULATIONS OF FEASIBILITY. , 2007, , .		0
153	FOCAL PLANE POLARIMETER FOR A TEST OF EPR PARADOX. , 2007, , .		0
154	A NEW TOOL TO CALIBRATE DEUTERON BEAM POLARIZATION AT INTERMEDIATE ENERGIES. , 2007, , .		0
155	COMPLETE ELECTRIC DIPOLE STRENGTH AND NEUTRON SKIN IN ^{208}Pb . , 2013, , .		0
156	Measurement of gamma rays under the high-energy $p\text{-Li}$ neutron fields in RCNP. Progress in Nuclear Science and Technology, 2014, 4, 745-747.	0.3	0
157	$(^3\text{He}, t)$ Reactions at Intermediate Energies; Application for Neutrino and Astronuclear Physics. , 1995, , .		0
158	Effect of Tensor Interactions in ^{16}O Studied via (p,d) Reaction. , 2015, , .		0
159	Characterization of Hundreds of MeV $^7\text{Li}(p,n)$ Quasi-Monoenergetic Neutron Source at RCNP Using a Proton Recoil Telescope and TOF Technique. , 2016, , .		0
160	Search for $\hat{1}\pm$ -Condensed State in ^{20}Ne . , 2020, , .		0
161	Pionic Atoms Spectroscopy at RCNP with the $(p, ^2\text{He})$ Reaction. , 2020, , .		0
162	Estimation of (γ) -Ray Production from Neutral-Current Neutrino-Carbon and -Oxygen Inelastic Reactions Induced by Supernova Neutrinos. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
163	α -clustering at the Surface of Tin Isotopes $^{112}\text{--}^{124}\text{Sn}$ Studied with $(p, p\alpha)$ Reaction. , 2020, , .		0