

Tatsuya Furuno

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Time-Reverse Measurement of the 54Ca p -Wave Cross Sections of the Nuclear Matter Radius Studies from 58Ni experiments at the GSI Experimental Storage Ring with the EXL facility. <i>Physical Review C</i> , 2017, 96, .	7.8	89
2	Change of nuclear configurations in the neutrinoless double- β decay of ^{130}Te and ^{136}Ba . <i>Physical Review C</i> , 2016, 93, .	7.8	82
3	Are there nuclear structure effects on the isoscalar giant monopole resonance and nuclear incompressibility near $A \approx 90$? <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 482-485.	2.9	30
4	Mapping of a New Deformation Region Around ^{62}Ti . <i>Physical Review Letters</i> , 2020, 125, 012501.	2.9	30
5	Systematic analysis of inelastic scattering off self-conjugate nuclei. <i>Physical Review C</i> , 2018, 97, .	2.9	22
6	First measurement of isoscalar giant resonances in a stored-beam experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 763, 16-19.	2.9	26
7	Performance test of the MAIKo active target. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 908, 215-224.	4.1	25
8	First EXL experiment with stored radioactive beam: Proton scattering on ^{56}Ni . <i>EPJ Web of Conferences</i> , 2014, 66, 03093.	4.1	23
9	Compression-mode resonances in the calcium isotopes and implications for the asymmetry term in nuclear incompressibility. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 801, 135185.	4.1	20
10	Candidates for the 5He condensed state in ^{20}Ne . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 819, 136411.	4.1	19
11	Investigation of the nuclear matter distribution of ^{56}Ni by elastic proton scattering in inverse kinematics. <i>Physica Scripta</i> , 2015, T166, 014005.	1.6	19
12	Compressional-mode resonances in the molybdenum isotopes: Emergence of softness in open-shell nuclei near $A = 90$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 807, 135608.	0.3	17
13	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. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 817, 136283.	4.1	17
14	First Nuclear Reaction Experiment with Stored Radioactive ^{56}Ni Beam and Internal Hydrogen and Helium Targets. , 2015, .	4.1	16
15	Neutron quadrupole transition strength in ^{10}C deduced from the $^{10}\text{C}(\beta^{\pm}, \beta^{\pm}\alpha^2)$ measurement with the MAIKo active target. <i>Physical Review C</i> , 2019, 100, .	2.5	14
16		2.9	6

#	ARTICLE	IF	CITATIONS
19	Response of the GAGG(Ce) scintillator to charged particles compared with the CsI(Tl) scintillator. Journal of Instrumentation, 2021, 16, P10012.	1.2	6
20	BigRIPS as a high resolution spectrometer for pionic atoms. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 290-293.	1.4	5
21	Development of MAIKo: the active target with ^{13}C -PIC for RI beam experiments. Journal of Physics: Conference Series, 2014, 569, 012042.	0.4	5
22	Isoscalar giant resonance studies in a stored-beam experiment within EXL. Physica Scripta, 2015, T166, 014006.	2.5	5
23	Search for the rare λ^3 -decay mode in ^{12}C . Journal of Physics: Conference Series, 2017, 863, 012075. Measurement of λ^3 rays from giant resonances excited by the λ^3	0.4	4
24	Measurement of λ^3 rays from giant resonances excited by the λ^3		

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37	Direct measurement of the ${}^7\text{Be}(n, \hat{1}\pm){}^4\text{He}$ reaction cross sections for the cosmological Li problem. EPJ Web of Conferences, 2017, 163, 00028.	0.3	0
38	Measurement of $\langle i \rangle \hat{1}^3 \langle /i \rangle$ Rays from the Giant Resonances in $\langle \text{sup} \rangle 12 \langle / \text{sup} \rangle \text{C}$ and $\langle \text{sup} \rangle 16 \langle / \text{sup} \rangle \text{O}$ Excited by the $((p, p'))$ Reaction at 392â€¦MeV. , 2020, , .		0
39	The Deeply Bound Pionic States in ${}^{121}\text{Sn}$ Produced by $(d, {}^3\text{He})$ Reaction. , 2014, , .		0
40	Search for the $\hat{1}\pm$ Condensed State by Measuring the Inelastic Resonance Scattering ${}^{12}\text{C}({}^{12}\text{C}, {}^{12}\text{C}[(0_{-2})^{\pi}])$ Tj ETQq0 0 0 rgBT /Overlo		0
41	Search for $\langle i \rangle \hat{1}\pm \langle /i \rangle$ -Condensed State in $\langle \text{sup} \rangle 20 \langle / \text{sup} \rangle \text{Ne}$. , 2020, , .		0
42	Particle Identification by Pulse-Shape Analysis with Neural Network. , 2020, , .		0
43	Measurement of ${}^4\text{He}$ Photodisintegration in the Giant Dipole Resonance Region. , 2020, , .		0
44	New Analysis Method of TPC Data Using Neural Network. , 2020, , .		0
45	Pionic Atoms Spectroscopy at RCNP with the $(\langle i \rangle p \langle /i \rangle, \langle \text{sup} \rangle 2 \langle / \text{sup} \rangle \text{He})$ Reaction. , 2020, , .		0
46	Measurement of $\langle \text{sup} \rangle 12 \langle / \text{sup} \rangle \text{C}(n, n\hat{\alpha}^{\text{TM}})$ reaction cross section to determine triple-alpha reaction rate in high-density environments. EPJ Web of Conferences, 2022, 260, 11010.	0.3	0