

Tatsuya Furuno

List of Publications by Year in descending order

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46
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606
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of $^{12}\text{C}(n, n\alpha^{\text{TM}})$ reaction cross section to determine triple-alpha reaction rate in high-density environments. EPJ Web of Conferences, 2022, 260, 11010. First experimental determination of the radiative-decay probability of the α^{TM}	0.3	0
2	altimg="si1.svg">α^{TM} 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
3	Candidates for the $5\frac{1}{2}^{\pm}$ condensed state in ^{20}Ne . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136411.	4.1	16
4	Response of the GAGG(Ce) scintillator to charged particles compared with the CsI(Tl) scintillator. Journal of Instrumentation, 2021, 16, P10012.	1.2	6
5	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
6	Measurement of α^{TM} Rays from the Giant Resonances in ^{12}C and ^{16}O Excited by the $((p, p'))$ Reaction at 392 MeV . , 2020, , . Mapping of a New Deformation Region Around α^{TM}		0
7	display="inline">^{62}Ti . </math> . Crystal Growth Processes, 2020, 1, 1372	7.8	23
8	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
9	Search for the $1\frac{1}{2}^{\pm}$ Condensed State by Measuring the Inelastic Resonance Scattering $^{12}\text{C}(^{12}\text{C}, ^{12}\text{C})[(0_{2}^{\pm})^{\text{Tj}} \text{ETQq}1 \text{ } 1 \text{ } 0.784314 \text{ } \text{rg}]$		0
10	Search for $1\frac{1}{2}^{\pm}$ -Condensed State in ^{20}Ne . , 2020, , .		0
11	Particle Identification by Pulse-Shape Analysis with Neural Network. , 2020, , .		0
12	Measurement of 4He Photodisintegration in the Giant Dipole Resonance Region. , 2020, , .		0
13	New Analysis Method of TPC Data Using Neural Network. , 2020, , .		0
14	Pionic Atoms Spectroscopy at RCNP with the $(p, p\alpha)$, ^{2}He Reaction. , 2020, , . Measurement of α^{TM}		0
15	xmlns:mml="http://www.w3.org/1998/Math/MathML">α^{TM} rays from giant resonances excited by the $\text{C}\alpha^{\text{TM}}$		

#	ARTICLE	IF	CITATIONS
19	Measurement of the neutron capture cross section of ^{40}Ca using the MAIKO active target. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 908, 215-224. , .	7.8	89
20	Performance test of the MAIKo active target. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 908, 215-224. , .	1.6	19
21	Measurement of the $^{7}\text{Li}(p,n)^{7}\text{Be}$ reaction cross sections at the GSI Experimental Storage Ring with the EXL facility. Physical Review C, 2017, 96, .	2.9	30
22	Measurement of ^{4}He Photodisintegration with the MAIKo Active Target. , 2017, , .	0	0
23	Search for the rare ^{12}C β^{-} -decay mode in ^{12}C . Journal of Physics: Conference Series, 2017, 863, 012075.	0.4	4
24	Nuclear-matter radius studies from ^{58}Ni experiments at the GSI Experimental Storage Ring with the EXL facility. Physical Review C, 2017, 96, .	2.9	30
25	Measurement of the cross section for the $^{4}\text{He}(n,p)^{3}\text{He}$ reaction as a possible solution to the cosmological lithium problem. Journal of Physics: Conference Series, 2017, 863, 012073.	0.4	0
26	Spectroscopy of Pionic Atoms Via $(p,\pi^{+})^{2}\text{He}$ Reaction. , 2017, , .		2
27	The measurement of ^{4}He photodisintegration with MAIKo active target. Journal of Physics: Conference Series, 2017, 863, 012077.	0.4	0
28	Direct measurement of the $^{7}\text{Be}(n,p)^{6}\text{Li}$ reaction cross sections for the cosmological Li problem. EPJ Web of Conferences, 2017, 163, 00028.	0.3	0
29	Active target MAIKo to investigate cluster structures in unstable nuclei. Journal of Physics: Conference Series, 2017, 863, 012076.	0.4	1
30	Measurement of β^{-} -rays from Giant Resonances of ^{16}O and ^{12}C with Application to Supernova Neutrino Detection. , 2016, , .		2
31	Nuclear reactions in the storage ring ESR with EXL. Journal of Physics: Conference Series, 2016, 724, 012026.	0.4	2
32	First measurement of isoscalar giant resonances in a stored-beam experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 16-19.	4.1	20
33	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
34	Change of nuclear configurations in the neutrinoless double- β decay of ^{130}Te and ^{136}Xe . Physical Review C, 2016, 93, .	2.9	26
35	Isoscalar giant resonance studies in a stored-beam experiment within EXL. Physica Scripta, 2015, T166, 014006.	2.5	5
36	First Nuclear Reaction Experiment with Stored Radioactive ^{56}Ni Beam and Internal Hydrogen and Helium Targets. , 2015, , .		7

#	ARTICLE	IF	CITATIONS
37	Investigation of the nuclear matter distribution of ^{56}Ni by elastic proton scattering in inverse kinematics. Physica Scripta, 2015, T166, 014005.	2.5	14
38	Non-resonant triple alpha reaction rate at low temperature. , 2014, , .		0
39	The first precision measurement of deeply bound pionic states in ^{121}Sn . EPJ Web of Conferences, 2014, 66, 09014.	0.3	0
40	Feasibility study to search for the rare $\hat{1}^3$ -decay mode in ^{12}C . Journal of Physics: Conference Series, 2014, 569, 012051.	0.4	1
41	First EXL experiment with stored radioactive beam: Proton scattering on ^{56}Ni . EPJ Web of Conferences, 2014, 66, 03093.	0.3	17
42	Development of MAIKo: the active target with $^{1/4}$ -PIC for RI beam experiments. Journal of Physics: Conference Series, 2014, 569, 012042.	0.4	5
43	Status and future plan of the spectroscopy of pionic atoms. Journal of Physics: Conference Series, 2014, 503, 012037.	0.4	0
44	Missing monopole strength of the Hoyle state in the alpha inelastic scattering. Journal of Physics: Conference Series, 2014, 569, 012014.	0.4	2
45	The Deeply Bound Pionic States in ^{121}Sn Produced by $(d,^3\text{He})$ Reaction. , 2014, , .		0
46	BigRIPS as a high resolution spectrometer for pionic atoms. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 290-293.	1.4	5