

# Juzo Zenihiro

## List of Publications by Year in descending order

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Version: 2024-02-01

98  
papers

2,761  
citations

236925

25  
h-index

175258

52  
g-index

100  
all docs

100  
docs citations

100  
times ranked

1570  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete Electric Dipole Response and the Neutron Skin in $^{120}\text{Sn}$ Isotopic Dependence of the Giant Monopole Resonance in the Even- $^{120}\text{Sn}$ Nuclear Letters, 2011, 107, 062502.	7.8	418
2	Isoscalar giant resonances in the Sn nuclei and implications for the asymmetry term in the nuclear-matter incompressibility. Physical Review C, 2010, 81, .	7.8	206
3	Pygmy dipole resonance in $^{120}\text{Sn}$ Physical Review C, 2012, 85, .	2.9	183
4	The Giant Monopole Resonance in the Sn Isotopes: Why is Tin so "Fluffy". Nuclear Physics A, 2007, 788, 36-43.	1.5	87
5	Dipole polarizability of $^{120}\text{Sn}$ and nuclear energy density functionals. Physical Review C, 2015, 92, .	2.9	85
6	Proton elastic scattering from tin isotopes at 295 MeV and systematic change of neutron density distributions. Physical Review C, 2008, 77, .	2.9	83
7	Consistent analysis of the $^{12}\text{C}$ Hoyle state populated in proton and $\alpha$ -particle inelastic scattering. Physical Review C, 2012, 86, .	2.9	74
8	Observation of Low- and High-Energy Gamow-Teller Phonon Excitations in Nuclei. Physical Review Letters, 2014, 112, 112502.	7.8	63
9	Low-energy electric dipole response in $^{120}\text{Sn}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 7-12.	4.1	62
10	Neutron density distributions of $^{120}\text{Sn}$ Physical Review C, 2015, 92, .	2.9	85
11	Proton elastic scattering at $^{120}\text{Sn}$ Physical Review C, 2015, 92, .	2.9	85
12	Study of the cluster state at $E_x=10.3$ MeV in $^{12}\text{C}$ . Nuclear Physics A, 2004, 738, 268-272.	1.5	127
13	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	183
14	Pygmy dipole resonance in $^{120}\text{Sn}$ Physical Review C, 2012, 85, .	2.9	183

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19	Nonquenched Isoscalar Spin- $M_{1-}$ Excitations in $^{12}\text{C}$ -Shell Nuclei. <i>Physical Review Letters</i> , 2015, 115, 102501.	7.8	39
20	Proton elastic scattering from stable and unstable nuclei – Extraction of nuclear densities. <i>Progress in Particle and Nuclear Physics</i> , 2017, 97, 1-52.	14.4	38
21	High-resolution study of Gamow-Teller excitations in the $^{42}\text{Ca}$ Surface Localization of the Dineutron in $^{42}\text{Ca}$ . <i>Physical Review Letters</i> , 2020, 125, 252501.	2.9	37
22	Probing effect of tensor interactions in $^{16}\text{O}$ via $(p,\alpha)$ reaction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 277-281.	7.8	36
23	Nuclear-matter radius studies from $^{58}\text{Ni}$ experiments at the GSI Experimental Storage Ring with the EXL facility. <i>Physical Review C</i> , 2017, 96, .	4.1	34
24	Nature of $^{10}\text{MeV}$ state in $^{12}\text{C}$ . <i>Journal of Physics: Conference Series</i> , 2013, 436, 012006.	2.9	30
25	Construction of rare-RI ring at RIKEN RI Beam Factory. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2013, 317, 629-635.	0.4	27
26	Spectroscopic Measurement in $^9\text{He}$ and $^{12}\text{Be}$ . <i>Few-Body Systems</i> , 2013, 54, 1433-1436.	1.4	25
27	Observation of isoscalar and isovector dipole excitations in neutron-rich $^{20}\text{O}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 768, 387-392.	1.5	24
28	Elastic scattering of protons from $^9\text{C}$ with a 290 MeV/nucleon $^9\text{C}$ beam. <i>Physical Review C</i> , 2013, 87, .	4.1	24
29	High-resolution study of $T_{z=1}$ transitions in the $^{12}\text{C}$	2.9	21
30			

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37	Experimental study of Gamow-Teller transitions via the high-energy resolution $O^{18}$ He $^{29}$ $^{14}$ How Different is the Core of $F^{25}$ $S^{30}$ and its importance in the $S^{30}$ $S^{30}$	2.9	14
38	Study of M1 excitations by high-resolution proton inelastic scattering experiment at forward angles. Nuclear Physics A, 2007, 788, 53-60.	7.8	14
39	Wide-window gas target system for high resolution experiment with magnetic spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 678, 122-129.	1.5	13
40		1.6	13
41			

#	ARTICLE	IF	CITATIONS
55	First experimental determination of the radiative-decay probability of the $12\text{C}(p, \alpha^0)\text{C}^{12}$ 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
56	$^{12}\text{C}(p, \alpha^0)$ scattering measurement at forward angles. Modern Physics Letters A, 2006, 21, 2367-2371.	1.2	7
57	Investigating neutron-proton pairing in $^{12}\text{C}$ -shell nuclei via $^{12}\text{C}(p, \alpha^0)\text{C}^{12}$ .		
58	Cluster fragmentations of deep(1s)-hole states in light nuclei. Nuclear Physics A, 2004, 738, 451-454.	1.5	6
59	Search for Alpha Inelastic Condensed State in $^{24}\text{Mg}$ . Few-Body Systems, 2013, 54, 93-97.	1.5	6
60	Search for Alpha Condensed State in $^{24}\text{Mg}$ . Progress of Theoretical Physics Supplement, 2012, 196, 198-202.	0.1	5
61	Isoscalar giant resonance studies in a stored-beam experiment within EXL. Physica Scripta, 2015, T166, 014006.	2.5	5
62	Proton single particle energies next to $^{78}\text{Ni}$ : Spectroscopy of $^{77}\text{Cu}$ via single proton knock-out reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 99-103.	4.1	5
63	A resonant Schottky pick-up for Rare-RF Ring at RIKEN. Physica Scripta, 2015, T166, 014059.	2.5	4
64	Search for the rare $^{13}\text{C}$ -decay mode in $^{12}\text{C}$ . Journal of Physics: Conference Series, 2017, 863, 012075.	0.4	4
65	Isovector density and isospin impurity in $^{40}\text{Ca}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137072.	4.1	4
66	Exploring the $^{13}\text{C}$ -process with Grand Raiden. , 2009, , .		3
67	Cross Section Enhancement in $pd$ Reactions at Higher Energy. Few-Body Systems, 2013, 54, 469-473.	1.5	3
68	Solid hydrogen target for missing mass spectroscopy in inverse kinematics. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 897-901.	1.5	3
69	Discrepancy of Cross Sections in $pd$ Breakup Reactions at $E_p = 250\text{ MeV}$ . Few-Body Systems, 2011, 50, 287-289.	1.5	2
70	Scintillating fiber detector for momentum tagging light unstable nuclei at intermediate energies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 670, 25-31.	1.6	2
71	Missing monopole strength of the Hoyle state in the alpha inelastic scattering. Journal of Physics: Conference Series, 2014, 569, 012014.	0.4	2
72	Nuclear reactions in the storage ring ESR with EXL. Journal of Physics: Conference Series, 2016, 724, 012026.	0.4	2

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73	Study of spin-isospin responses of radioactive nuclei with the background-reduced neutron spectrometer, PANDORA. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 189-194.	1.4	2
74	Trajectory in 2D plot of isoscalar and isovector densities of $^{48}\text{Ca}$ and $^{208}\text{Pb}$ , and symmetry energy. Physical Review C, 2020, 102, .	2.9	2
75	Proton density polarization of the doubly magic $^{40}\text{Ca}$ core in $^{48}\text{Ca}$ and EoS parameters. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	2
76	Study of spin-isospin response of $^{11}\text{Li}$ neutron-drip-line nucleus with PANDORA. Journal of Physics: Conference Series, 2020, 1643, 012107.	0.4	2
77	Search for alpha inelastic condensed state in $^{24}\text{Mg}$ . Journal of Physics: Conference Series, 2011, 321, 012012.	0.4	1
78	Measurements of ISGMR in Sn, Cd and Pb isotopes and the asymmetry of nuclear matter incompressibility. , 2011, , .		1
79	Feasibility study to search for the rare $\hat{I}^3$ -decay mode in $^{12}\text{C}$ . Journal of Physics: Conference Series, 2014, 569, 012051.	0.4	1
80	Development of a neutron detector with a high position resolution at intermediate energies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 914, 32-41.	1.6	1
81	$\hat{I}^{\pm}$ -clustering in Heavy Nuclei $^{112}\text{Sn}$ Probed with $((p,\alpha))$ Reaction. , 2020, , .		1
82	High resolution study of M1 excitations via proton inelastic scattering at forward angles including zero degrees. Journal of Physics: Conference Series, 2005, 20, 177-178.	0.4	0
83	Study of M1 and E1 excitations by high-resolution proton inelastic scattering measurement at forward angles. AIP Conference Proceedings, 2007, , .	0.4	0
84	Complete dipole response in $^{208}\text{Pb}$ from high-resolution polarized proton scattering at $0^\circ$ . , 2009, , .		0
85	Measurement of $^2\text{H}(p, pp)$ ncross sections at $E_p = 250$ MeV. EPJ Web of Conferences, 2010, 3, 05022.	0.3	0
86	Electric dipole response in $^{120}\text{Sn}$ . Journal of Physics: Conference Series, 2011, 312, 092029.	0.4	0
87	Alpha inelastic scattering and cluster structures in $^{24}\text{Mg}$ . , 2011, , .		0
88	Gamow-Teller Transitions Starting from $T_{[sub z]}^{\pm} = \hat{I}^{\pm} + 3\hat{I}^2$ Nucleus $^{47}\text{Ti}$ . , 2011, , .		0
89	Gamow-Teller Transitions Starting from $T_{[sub z]}^{\pm} = \hat{I}^{\pm} + 3\hat{I}^2$ Nucleus $^{45}\text{Sc}$ . , 2011, , .		0
90	Soft spin-dipole resonances in $^{40}\text{Ca}$ . Journal of Physics: Conference Series, 2012, 381, 012096.	0.4	0

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91	Evidence of tensor interactions in $^{16}\text{O}$ observed via (p,d) reaction. EPJ Web of Conferences, 2014, 66, 02076.	0.3	0
92	Effect of tensor interactions in $^{16}\text{O}$ studied via (p,d) reaction. Journal of Physics: Conference Series, 2014, 569, 012066.	0.4	0
93	Investigating Neutron-Proton Pairing in sd-Shell Nuclei via (p, $^3\text{He}$ ) and ( $^3\text{He}$ ,p) Transfer Reactions. , 2015, , .		0
94	Study of Gamow-Teller transitions from $^{132}\text{Sn}$ via the (p,n) reaction at 220 MeV/u in inverse kinematics. EPJ Web of Conferences, 2016, 107, 06003.	0.3	0
95	Effect of Tensor Interactions in $^{16}\text{O}$ Studied via (p,d) Reaction. , 2015, , .		0
96	Study of Multi-neutron Systems with SAMURAI Spectrometer. Springer Proceedings in Physics, 2020, , 529-534.	0.2	0
97	Structure of Beryllium Isotopes Beyond the Neutron Dripline. Springer Proceedings in Physics, 2020, , 331-335.	0.2	0
98	$\hat{p}$ -clustering at the Surface of Tin Isotopes $^{112}\text{Sn}$ ~ $^{124}\text{Sn}$ Studied with (p, $\hat{p}$ ) Reaction. , 2020, , .		0