

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	Isovector density and isospin impurity in 40Ca. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137072.	4.1	4
2	Proton density polarization of the doubly magic 40Ca core in 48Ca and EoS parameters. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	2
3	Orbital Component in the Borromean Nucleus	7.8	42
4	First experimental determination of the radiative-decay probability of the ^8Li 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
5	Formation of $\hat{1}\pm$ clusters in dilute neutron-rich matter. Science, 2021, 371, 260-264.	12.6	57
6	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
7	Surface Localization of the Dineutron in ^6He	7.8	36
8	Trajectory in 2D plot of isoscalar and isovector densities of ^{48}Ca and ^{208}Pb , and symmetry energy. Physical Review C, 2021, 102, 102801.	2.9	2
9	Fragmentation of Single-Particle Strength around the Doubly Magic ^{132}Sn Nucleus	7.8	14
10	Physical study of Gamow-Teller transitions via the high-energy-resolution $^{132}\text{Sn}(p, n)^{133}\text{Sb}$ reaction	7.8	12
11	$\hat{1}\pm$ -clustering in Heavy Nuclei ^{112}Sn – ^{124}Sn Probed with $((p, \alpha))$ Reaction. , 2020, .		1
12	Study of spin-isospin response of ^{11}Li neutron-drip-line nucleus with PANDORA. Journal of Physics: Conference Series, 2020, 1643, 012107.	0.4	2
13	Study of Multi-neutron Systems with SAMURAI Spectrometer. Springer Proceedings in Physics, 2020, , 529-534.	0.2	0
14	Structure of Beryllium Isotopes Beyond the Neutron Dripline. Springer Proceedings in Physics, 2020, , 331-335.	0.2	0
15	$\hat{1}\pm$ -clustering at the Surface of Tin Isotopes ^{112}Sn – ^{124}Sn Studied with $(p, p\hat{1}\pm)$ Reaction. , 2020, .		0
16	Structure of ^{13}Be probed via quasi-free scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134843.	4.1	15
17	Experimental study of Gamow-Teller transitions via the high-energy-resolution $^{13}\text{Be}(p, n)^{14}\text{B}$ reaction	2.9	14
18	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

#	ARTICLE	IF	CITATIONS
37	High-resolution study of Gamow-Teller excitations in the ^{42}Ca nucleus. Physical Review Letters, 2015, 115, 102501.	2.9	37
38	Dipole polarizability of ^{120}Sn and nuclear energy density functionals. Physical Review C, 2015, 92, .	2.9	85
39	Nonquenched Isoscalar Spin- 1 Excitations in ^{56}Ni Shell Nuclei. Physical Review Letters, 2015, 115, 102501.	7.8	39
40	A resonant Schottky pick-up for Rare-RI Ring at RIKEN. Physica Scripta, 2015, T166, 014059.	2.5	4
41	Isoscalar giant resonance studies in a stored-beam experiment within EXL. Physica Scripta, 2015, T166, 014006.	2.5	5
42	Investigating Neutron-Proton Pairing in Shell Nuclei via $(p,^3\text{He})$ and $(^3\text{He},p)$ Transfer Reactions. , 2015, , .		0
43	Investigation of the nuclear matter distribution of ^{56}Ni by elastic proton scattering in inverse kinematics. Physica Scripta, 2015, T166, 014005.	2.5	14
44	Low-energy electric dipole response in ^{120}Sn . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 7-12.	4.1	62
45	Solid hydrogen target for missing mass spectroscopy in inverse kinematics. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 897-901.	1.5	3
46	Effect of Tensor Interactions in ^{16}O Studied via (p,d) Reaction. , 2015, , .		0
47	Evidence of tensor interactions in ^{16}O observed via (p,d) reaction. EPJ Web of Conferences, 2014, 66, 02076.	0.3	0
48	Observation of Low- and High-Energy Gamow-Teller Phonon Excitations in Nuclei. Physical Review Letters, 2014, 112, 112502.	7.8	63
49	Gamow-Teller transitions in the $A=40$ isospin quintet of relevance for neutrino captures in ^{40}Ar . Physical Review C, 2014, 89, .	2.9	12
50	Feasibility study to search for the rare \hat{I}^3 -decay mode in ^{12}C . Journal of Physics: Conference Series, 2014, 569, 012051.	0.4	1
51	First EXL experiment with stored radioactive beam: Proton scattering on ^{56}Ni . EPJ Web of Conferences, 2014, 66, 03093.	0.3	17
52	Effect of tensor interactions in ^{16}O studied via (p,d) reaction. Journal of Physics: Conference Series, 2014, 569, 012066.	0.4	0
53	Missing monopole strength of the Hoyle state in the alpha inelastic scattering. Journal of Physics: Conference Series, 2014, 569, 012014.	0.4	2
54	Cluster structure of broad resonances near threshold in ^{12}C and ^{16}O . Journal of Physics: Conference Series, 2014, 569, 012009.	0.4	8

#	ARTICLE	IF	CITATIONS
73	Complete Electric Dipole Response and the Neutron Skin in ^{208}Pb . <i>Physical Review Letters</i> , 2011, 107, 062502. Candidate for the 2012 Nobel Prize in Physics. http://www.w3.org/1998/Math/MathML	7.8	418
74	Excited Hoyle state at $E_x = 14.9$ MeV in ^{12}C . <i>Physical Review Letters</i> , 2011, 107, 062502.	1.9	0
75	Search for alpha inelastic condensed state in ^{24}Mg . <i>Journal of Physics: Conference Series</i> , 2011, 321, 012012.	0.4	1
76	Electric dipole response in ^{120}Sn . <i>Journal of Physics: Conference Series</i> , 2011, 312, 092029.	0.4	0
77	Discrepancy of Cross Sections in pd Breakup Reactions at $E_p = 250$ MeV. <i>Few-Body Systems</i> , 2011, 50, 287-289.	1.5	2
78	Large, thin solid hydrogen target using para- H_2 . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 643, 6-10.	1.6	10
79	Alpha inelastic scattering and cluster structures in ^{24}Mg . , 2011, , .		0
80	Gamow-Teller Transitions Starting from $T_{\text{sub } z} = 3$ Nucleus ^{47}Ti . , 2011, , .		0
81	^{147}Nd . http://www.w3.org/1998/Math/MathML		

#	ARTICLE	IF	CITATIONS
91	Dependence of the Giant Monopole Resonance in the Even- A Nuclei A Study of M1 and E1 excitations by high-resolution proton inelastic scattering measurement at forward angles. AIP Conference Proceedings, 2007, , .	7.8	206
92	Study of M1 and E1 excitations by high-resolution proton inelastic scattering measurement at forward angles. AIP Conference Proceedings, 2007, , .	0.4	0
93	The Giant Monopole Resonance in the Sn Isotopes: Why is Tin so "Fluffy". Nuclear Physics A, 2007, 788, 36-43.	1.5	87
94	Study of M1 excitations by high-resolution proton inelastic scattering experiment at forward angles. Nuclear Physics A, 2007, 788, 53-60.	1.5	13
95	$^{12}\text{C}(\text{p},\text{p}\alpha^2)$ scattering measurement at forward angles. Modern Physics Letters A, 2006, 21, 2367-2371.	1.2	7
96	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
97	Study of the cluster state at $E_x=10.3$ MeV in ^{12}C . Nuclear Physics A, 2004, 738, 268-272.	1.5	127
98	Cluster fragmentations of deep(1s)-hole states in light nuclei. Nuclear Physics A, 2004, 738, 451-454.	1.5	6