

Takatsugu Ishikawa

List of Publications by Year in descending order

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136
papers

3,297
citations

201674

27
h-index

149698

56
g-index

137
all docs

137
docs citations

137
times ranked

1522
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent photoproduction of the neutral-pion and π^0 -meson on the deuteron at incident energies below 1.15 GeV. Physical Review C, 2022, 105, .	2.9	1
2	SPring-8 LEPS2 beamline: A facility to produce a multi-GeV photon beam via laser Compton scattering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1033, 166677.	1.6	8
3	Search for Δ Resonance State Via the Exclusive Measurement of $\gamma \rightarrow \pi^+ \pi^-$ Reaction. Few-Body Systems, 2022, 63, 1.	1.5	0
4	Time resolution of a 1.8-m long BC-420 plastic scintillator bar with metal-packaged H11934 photomultiplier tubes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1039, 167164.	1.6	0
5	Coherent Neutral Pion and eta Meson Photoproduction on the Deuteron. Few-Body Systems, 2021, 62, 1.	1.5	0
6	π^0 N scattering length from π^0 photoproduction on the proton near the threshold. AIP Conference Proceedings, 2021, , .	0.4	0
7	Continuous timing measurement using a data-streaming DAQ system. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	4
8	Resonance-like structure near the π^0 threshold in the π^0 reaction. Physical Review C, 2021, 104, .	2.9	9
9	Experimental study of (p , $2p$) reactions at 392 MeV on ^{12}C , ^{16}O , ^{40}Ca and ^{208}Pb nuclei leading to low-lying states of residual nuclei. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	3
10	Differential cross sections, photon beam asymmetries, and spin density matrix elements of π^0 photoproduction off the proton at $\sqrt{s} = 1.02$ GeV. Physical Review C, 2020, 102, .	2.9	8
11	π^0 N scattering length from π^0 photoproduction on the proton near the threshold. AIP Conference Proceedings, 2020, .	0.4	0
12	Search for Bound Nuclei in the C^{12}		

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19	Measurement of neutral pion photoproduction off the proton with the large acceptance electromagnetic calorimeter BGOegg. Physical Review C, 2019, 100, .	2.9	10
20	Non-strange Dibaryon Resonances Observed in Coherent Double Neutral-Pion Photoproduction on the Deuteron. , 2019, , .		1
21	Possible Λ^{\prime} - d bound state and its s-channel formation in the $\Lambda^{\prime}d \rightarrow \Lambda^{\prime}d$ reaction. Physical Review C, 2018, 97, .	2.9	2
22	Neutral Kaon Spectrometer 2. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 886, 88-103.	1.6	6
23	First measurement of coherent π^0 -meson photoproduction from ^4He near threshold. Physical Review C, 2018, 97, .	2.9	8
24	Differential cross section and photon-beam asymmetry for the $\Lambda^{\prime}p \rightarrow \Lambda^{\prime}n$ reaction at forward Λ^{\prime} angles at $E^{\gamma}=1.5 \text{--}2.95 \text{ GeV}$. Physical Review C, 2018, 97, .	2.9	8
25	Photoproduction of Λ^{\prime} and $\Lambda^{\prime}0$ hyperons off protons with linearly polarized photons at $E^{\gamma}=1.5 \text{--}3.0 \text{ GeV}$. Physical Review C, 2018, 97, .	2.9	13
26	Differential Cross Section and Photon-Beam Asymmetry for the $\Lambda^{\prime}p \rightarrow \Lambda^{\prime}n$ Reaction at Forward Λ^{\prime} Angles for $E^{\gamma}=1.5 \text{--}2.95 \text{ GeV}$. Physical Review Letters, 2018, 120, 202004.	7.8	5
27	Development of a transmittance monitor for high-intensity photon beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 902, 103-109.	1.6	12
28	A study of event mixing for two-pion Bose-Einstein correlations in the $\Lambda^{\prime}p \rightarrow \Lambda^{\prime}p$ reaction. Progress of Theoretical and Experimental Physics, 2017, 2017, .	6.6	1
29	Charge-to-time converting leading-edge discriminator for plastic-scintillator signals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 875, 193-200.	1.6	3
30	First measurement of coherent double neutral-pion photoproduction on the deuteron at incident energies below 0.9 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 398-402.	4.1	29
31	Low-energy Λ^{\prime} -nucleon interaction studied with Λ^{\prime} photoproduction off the deuteron. Physical Review C, 2017, 96, .	2.9	11
32	Λ^{\prime} photoproduction on the proton at $E^{\gamma}=1.5 \text{--}2.9 \text{ GeV}$. Physical Review C, 2017, 96, .	2.9	14
33	Double neutral pion photoproduction off the proton with FOREST at ELPH. EPJ Web of Conferences, 2016, 109, 04004.	0.3	0
34	Near threshold angular distributions for the $2H(\Lambda^{\prime}, \Lambda^{\prime})X$ reaction. Progress of Theoretical and Experimental Physics, 2016, 2016, 063D01.	6.6	3
35	Application of an X-ray flat panel sensor to a GeV region gamma-ray beam profile monitor. , 2016, , .		0
36	An event mixing technique for Bose-Einstein correlations of two pions in photoproduction around 1 GeV. Chinese Physics C, 2016, 40, 114002.	3.7	6

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37	Testing a prototype BGO calorimeter with 100–800 MeV positron beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 837, 109-122.	1.6	17
38	The FOREST detector for meson photoproduction experiments at ELPH. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 832, 108-143.	1.6	24
39	$T_j \text{ ETQq1 } 1 \text{ 0.784314 } \text{ rgBT } / \text{Overlock } 10 \text{ Tf } 50 \text{ 647 Td } \text{ (stretchy="false")}$	7.8	19
40	A fast profile monitor with scintillating fiber hodoscopes for high-intensity photon beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 811, 124-132.	1.6	22
41	Meson Photoproduction Experiments at ELPH, Tohoku University. , 2016, ,		5
42	Backward-angle photoproduction of \hat{A} and \hat{A}' mesons from protons in the photon energy range from 1.5 to 3.0 GeV. Progress of Theoretical and Experimental Physics, 2015, 2015, 13D01-0.	6.6	8
43	Development of PID counter for charmed baryon spectroscopy experiment at J-PARC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 766, 36-38.	1.6	3
44	Development of high intensity laser-electron photon beams up to 2.9 GeV at the SPring-8 LEPS beamline. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 737, 184-194.	1.6	44
45	Search for the \hat{K}^0 bound state via $\hat{K}^0 \rightarrow \hat{K}^0 + \gamma$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 616-621.	4.1	68
46	Spectroscopy of charmed baryons at the J-PARC high-momentum beam line. Journal of Physics: Conference Series, 2014, 569, 012085.	0.4	3
47	\hat{K}^0 and \hat{K}^+ Photoproduction on the Deuteron at ELPH, Tohoku University. Few-Body Systems, 2013, 54, 1047-1050.	1.5	1
48	Study for the \hat{K}^0 -N Interaction Through \hat{K}^0 Photoproduction Near the Threshold. Few-Body Systems, 2013, 54, 1135-1140.	1.5	2
49	Study of Strangeness Photoproduction on the Neutron in the Threshold Region. Few-Body Systems, 2013, 54, 1175-1178.	1.5	0
50	Study of $\hat{K}^0 \rightarrow \hat{K}^+ + \gamma$ Reaction in an Energy Region of 0.67–1.08 GeV. Few-Body Systems, 2013, 54, 1319-1322.	1.5	0
51	The investigation of strangeness photoproduction in the threshold region at ELPH-Tohoku. Nuclear Physics A, 2013, 914, 69-73.	1.5	3
52	Spin-Density Matrix Elements for $\hat{K}^0 \rightarrow \hat{K}^0 + \gamma$ Decay. Physical Review Letters, 2012, 108, 092001.	7.8	24
53	Kaon photoproduction on the deuteron at Sendai. EPJ Web of Conferences, 2012, 20, 02005.	0.3	8
54	A detailed test of a BSO calorimeter with 100–800 MeV positrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 694, 348-360.	1.6	17

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55	Neutral Kaon Photo-Production in the Threshold Energy Region. , 2011, , .		2
56	THE SEARCH FOR DEEPLY BOUND KAONIC NUCLEAR STATES AT J-PARC. International Journal of Modern Physics A, 2011, 26, 561-563.	1.5	3
57	The second GeV tagged photon beamline at ELPH. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 622, 1-10.	1.6	37
58	Measurement of the incoherent π^0 photoproduction near threshold. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 684, 6-10.	1.1	2
59	Study of charged pion photoproduction on deuteron. Nuclear Physics A, 2010, 834, 596c-598c.	1.5	0
60	Strangeness photoproduction experiments at SENDAI. Nuclear Physics A, 2010, 835, 317-320.	1.5	2
61	Energy calibration of tagged photons by the $d(\pi^0, \gamma)pp$ reaction. Chinese Physics C, 2010, 34, 35-38.	3.7	2
62	Near-Threshold π^0 photoproduction on ^3He . Physical Review Letters, 2010, 105, 072001.	7.8	48
63	Measurement of spin-density matrix elements for π^0 photoproduction from protons and deuterons near threshold. Physical Review C, 2010, 82, .	2.9	27
64	Scintillation properties of LuAG (Ce) ceramic and single crystalline scintillator. , 2010, , .		5
65	π^0 PHOTO-PRODUCTION ON THE DEUTERON AT LNS, TOHOKU UNIVERSITY. International Journal of Modern Physics E, 2010, 19, 2393-2399.	1.0	5
66	NEUTRAL KAON PHOTOPRODUCTION AT LNS, TOHOKU UNIVERSITY. International Journal of Modern Physics E, 2010, 19, 2355-2362.	1.0	1
67	THE INVESTIGATION OF STRANGENESS PHOTOPRODUCTION IN THE THRESHOLD REGION AT LNS-TOHOKU. , 2010, , .		0
68	Evidence for the π^0 photoproduction on ^3He at threshold. Physical Review Letters, 2009, 103, 072001.	2.9	100
69	Near-Threshold π^0 photoproduction on ^3He . Physical Review Letters, 2009, 103, 072001.	2.9	100
70	Cross Sections and Beam Asymmetry for π^0 photoproduction from the Deuteron at $\sqrt{s} = 1.5$ GeV. Physical Review Letters, 2009, 102, 012501.	7.8	32
71	Backward-angle π^0 photoproduction from protons at $\sqrt{s} = 1.5$ GeV. Physical Review C, 2009, 80, .	2.9	33
72	EM CALORIMETER COMPLEX FOREST FOR THE π^0 AND π^+ PHOTO-PRODUCTION EXPERIMENTS AT LNS-SENDAI. Modern Physics Letters A, 2009, 24, 978-981.	1.2	6

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91	production from Li, C, Al, and Cu nuclei at \sqrt{s} = 1.1 GeV. Physical Review Letters, 2003, 91, 092001.	4.1	133
92	Near-Threshold Diffractive ρ -Meson Photoproduction from the Proton. Physical Review Letters, 2005, 95, 182001.	7.8	107
93	Nuclear structure of the spin-isospin excited states in ^{13}N studied via the (He^3, t) and (He^3, tp) reactions at 450 MeV. Physical Review C, 2004, 69, .	2.9	30
94	Weak isoscalar response of ^{11}B . Physics of Atomic Nuclei, 2004, 67, 1794-1798.	0.4	1
95	Structures and decay of deep-hole states in light nuclei populated by the $(p, 2p)$ reactions. Physics of Atomic Nuclei, 2004, 67, 1810-1817.	0.4	2
96	The effect of deformation in the isoscalar giant dipole resonance. Nuclear Physics A, 2004, 731, 41-48.	1.5	9
97	Excitation and decay of the isovector spin-flip giant monopole resonance via the $^{208}\text{Pb}(^3\text{He}, \text{tp})$ reaction at 410 MeV. Nuclear Physics A, 2004, 731, 121-128.	1.5	11
98	Cluster fragmentations of deep $(1s)$ -hole states in light nuclei. Nuclear Physics A, 2004, 738, 451-454.	1.5	6
99	Isovector and isoscalar spin-flip $M1$ strengths in ^{11}B . Physical Review C, 2004, 70, .	2.9	44
100	Isoscalar giant dipole resonance in ^{208}Pb via inelastic $\hat{1}\pm$ scattering at 400 MeV and nuclear incompressibility. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 557, 12-19.	4.1	78
101	^2He photoproduction experiment at SPring-8. Nuclear Physics A, 2003, 721, C723-C726.	1.5	1
102	Time projection chamber at SPring-8. Nuclear Physics A, 2003, 721, C1095-C1098.	1.5	2
103	Structure and decay of the s -hole state in ^{11}B studied via the $^{12}\text{C}(p, 2p)^{11}\text{B}^*$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 551, 255-261.	4.1	20
104	Beam-Polarization Asymmetries for the $(^3\text{He}, \text{K}^+)$ and $(^3\text{He}, \text{K}^+)^{-1}\text{O}$ Reactions for $E^3 = 1.5$ - 2.4 GeV. Physical Review Letters, 2003, 91, 092001.	7.8	118
105	Excitation and Decay of the Isovector Giant Monopole Resonances via the $^{208}\text{Pb}(^3\text{He}, \text{tp})$ Reaction at 410 MeV. Physical Review Letters, 2003, 90, 202501.	7.8	51
106	Evidence for a Narrow $S=+1$ Baryon Resonance in Photoproduction from the Neutron. Physical Review Letters, 2003, 91, 012002.	7.8	779
107	Microscopic structure of the Gamow-Teller resonance in ^{58}Cu . Physical Review C, 2003, 68, .	2.9	13
108	Systematic study of $^{\infty}\text{L}^{\infty}\text{giant resonances in Sm isotopes via multipole decomposition analysis. Physical Review C, 2003, 68, .$	2.9	61

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109	Extraction of Neutron Density Distributions from Proton Elastic Scattering at Intermediate Energies. AIP Conference Proceedings, 2003, , .	0.4	2
110	Polarization Transfer in the $^{16}\text{O}(p, p\hat{E}^1)$ Reaction at Forward Angles and Structure of the Spin-dipole Resonances. AIP Conference Proceedings, 2003, , .	0.4	0
111	ISOSCALAR GIANT DIPOLE RESONANCE AND NUCLEAR INCOMPRESSIBILITY. , 2003, , .		0
112	COMPRESSIONAL-MODE GIANT RESONANCES IN DEFORMED NUCLEI. , 2003, , .		0
113	EXTRACTION OF NEUTRON DENSITY DISTRIBUTIONS FROM PROTON ELASTIC SCATTERING AT INTERMEDIATE ENERGIES. , 2003, , .		1
114	Polarization transfer in the $^{16}\text{O}(p, p\hat{E}^2)$ reaction at forward angles and structure of the spin-dipole resonances. Physical Review C, 2002, 65, .	2.9	21
115	Extraction of neutron density distributions from proton elastic scattering at intermediate energies. AIP Conference Proceedings, 2002, , .	0.4	0
116	The isoscalar giant dipole resonance in ^{208}Pb and the nuclear incompressibility. AIP Conference Proceedings, 2002, , .	0.4	2
117	A new method for measuring nuclear skins. AIP Conference Proceedings, 2002, , .	0.4	4
118	Compressional-mode giant resonances in deformed nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 549, 58-63.	4.1	36
119	K^+ PHOTOPRODUCTION AT LEPS/SPRING-8. , 2002, , .		0
120	NUCLEON SPIN ASYMMETRY AND NUCLEON AND MESON EFFECTIVE MASSES. , 2002, , .		0
121	Spin-dipole resonances in $^{16}\text{O}(p\hat{f}^-, p\hat{f}^-[sup \hat{E}^1])$ reaction. AIP Conference Proceedings, 2001, , .	0.4	0
122	Instrumentation for the polarization transfer experiment in proton inelastic scattering at 0° . AIP Conference Proceedings, 2001, , .	0.4	0
123	First results from SPring-8/LEPS and prospects. AIP Conference Proceedings, 2001, , .	0.4	0
124	Spin-dependent effective interaction studied by the $^{12}\text{C}, ^{28}\text{Si}(p\hat{f}^-, p\hat{f}^-[sup \hat{E}^1])$ reactions at zero degrees. AIP Conference Proceedings, 2001, , .	0.4	3
125	DAQ system for LEPS experiment. IEEE Transactions on Nuclear Science, 2001, 48, 1282-1285.	2.0	1
126	Multi-GeV laser-electron photon project at SPring-8. Nuclear Physics A, 2001, 684, 71-79.	1.5	87

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127	Giant monopole resonances in deformed nuclei. Nuclear Physics A, 2001, 687, 52-57.	1.5	12
128	Study of giant monopole resonance in ^{58}Ni via the (α, n) reaction at 0° . Nuclear Physics A, 2001, 687, 58-63.	1.5	6
129	Thin ice target for $^{16}\text{O}(p, \alpha^2)$ experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 459, 171-176.	1.6	17
130	Evidence for a 3.8 MeV state in ^9B . Physical Review C, 2001, 64, .	2.9	20
131	Gamow-Teller Strengths of the Inverse Beta Transition $^{17}\text{O} \rightarrow ^{17}\text{F}$ for Spectroscopy of Proton-Proton and Other Sub-MeV Solar Neutrinos. Physical Review Letters, 2000, 85, 4442-4445.	7.8	24
132	Observing ISGDR using $\hat{L} \pm$ inelastic scattering at 400 MeV. , 2000, , .		0
133	Nuclear reaction studied by $(\vec{p}, \vec{p}, \gamma)$ reactions at 0° . , 2000, , .		0
134	NEUTRON DENSITY DISTRIBUTIONS OBSERVED BY PROTON ELASTIC SCATTERING. , 2000, , .		0
135	Polarization transfer observables for proton inelastic scattering from ^{12}C at 0° . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 61-66.	4.1	26
136	DAQ system for LEPS experiment. , 0, , .		0