Genichiro Wakabayashi

List of Publications by Year
in descending order

58 papers	268 citations	1040056 9 h-index	1125743 13 g-index
60 all docs	60 docs citations	60 times ranked	195 citing authors

#	Article	IF	Citations
1	Deuteron-production double-differential cross sections for 300- and 392-MeV proton-induced reactions deduced from experiment and model calculation. Physical Review C, 2011, 84, .	2.9	19
2	Scintillation Efficiency of Inorganic Scintillators for Intermediate-Energy Charged Particles. Progress in Nuclear Science and Technology, 2011, 1, 218-221.	0.3	18
3	Proton-production double-differential cross sections for 300-MeV and 392-MeV proton-induced reactions. Physical Review C, 2010, 82, .	2.9	14
4	Absolute efficiency of a stacked GSO(Ce) spectrometer for intermediate energy protons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 411, 46-50.	1.6	13
5	Proton production cross sections for reactions by 300- and 392-MeV protons on carbon, aluminum, and niobium. Physical Review C, 2005, 72, .	2.9	13
6	Light output response of GSO(Ce) and NaI(Tl) to protons up to 160 MeV. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 404, 327-333.	1.6	11
7	100Mo()99Mo reaction at 21ÂMeV and direct reaction analysis of the low-lying continuum spectrum. Nuclear Physics A, 2003, 714, 3-20.	1.5	11
8	Applicability of self-activation of an NaI scintillator for measurement of photo-neutrons around a high-energy X-ray radiotherapy machine. Radiological Physics and Technology, 2015, 8, 125-134.	1.9	11
9	Basic characteristics of tissue-equivalent phantom thermoluminescence slab dosimeter using new TL phosphor Li3B7O12:Cu. Radiation Measurements, 2014, 62, 15-21.	1.4	10
10	TheMo96(pâƒ—,d)Mo95reaction at50MeV. Physical Review C, 2004, 70, .	2.9	9
11	Accuracy of neutron self-activation method with iodine-containing scintillators for quantifying 128I generation using decay-fitting technique. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 800, 6-11.	1.6	9
12	X-ray imaging using the thermoluminescent properties of commercial Al2O3 ceramic plates. Applied Radiation and Isotopes, 2016, 111, 117-123.	1.5	9
13	Neutron detection via thermoluminescence of Tb³⁺-doped Li₂Oâ€“Al₂O₃â€“B₂O₃glasses. Japanese Journal of Applied Physics, 2021, 60, 036002.	1.5	9
14	Measurement of subcritical reactivity in unsteady state with Digital Time-Series Data Acquisition System using difference filter technique. IEEE Transactions on Nuclear Science, 2002, 49, 2508-2512.	2.0	8
15	Response and efficiency of stacked GSO(Ce) spectrometer to intermediate-energy deuterons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 594-599.	1.6	7
16	Isobaric analog states observed in the58Ni(p,d)57Nireaction with65MeV polarized protons. Physical Review C, 2000, 63, .	2.9	6
17	Response of a plate-type thermoluminescence dosimeter to a therapeutic carbon beam. Journal of the Korean Physical Society, 2013, 63, 1432-1436.	0.7	6
18	Thermoluminescent responses of Li3B7O12:Cu to proton beam. Radiation Protection Dosimetry, 2014, 161, 437-440.	0.8	6

#	ARTICLE	IF	CITATIONS
19	A ray-trace-type counter telescope for neutron spectrometry. IEEE Transactions on Nuclear Science, 2001, 48, 320-324.	2.0	5
20	Low-Level Radiation Measurement System With Magnetically Levitated Electrode Ionization Chamber Detector. IEEE Transactions on Nuclear Science, 2006, 53, 2276-2280.	2.0	5
21	Survey of Living Environmental Land Contaminated with Radioactive Materials due to Fukushima Daiichi Nuclear Plant Accident. Transactions of the Atomic Energy Society of Japan, 2011, 10, 145-148.	0.3	5
22	An application of CCD read-out technique to neutron distribution measurement using the self-activation method with a CsI scintillator plate. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 832, 21-23.	1.6	5
23	Absorbed dose estimation using LET dependence in glow curve of thermoluminescent phosphor Li₃B₇O₁₂:Cu in therapeutic carbon beams. Journal of Nuclear Science and Technology, 2016, 53, 2028-2033.	1.3	5
24	Shape distortion of 128 I ÃŸ â˜’ spectrum observed by a self-activated CsI(Tl) scintillator for high-sensitivity neutron measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 871, 148-153.	1.6	5
25	Thermal Neutron Measurements Using Thermoluminescence Phosphor Cr-doped Al2O3 and Cd Neutron Converter. Sensors and Materials, 2021, 33, 2129.	0.5	5
26	Dose Linearity and Linear Energy Transfer Dependence of Cr-doped Al2O3 Ceramic Thermoluminescence Detector. Sensors and Materials, 2018, 30, 1599.	0.5	5
27	Simple measurement of14C in the environment using a gel suspension method. Journal of Radioanalytical and Nuclear Chemistry, 1999, 239, 639-642.	1.5	3
28	Continuum Spectra in One-nucleon Transfer Reactions â€”(p, d) Reactions at Medium Energy Regionâ€”. Journal of Nuclear Science and Technology, 2002, 39, 377-380.	1.3	3
29	Recent activities in the field of radiation measurement and nuclear data. Journal of Nuclear Science and Technology, 2013, 50, 1127-1128.	1.3	3
30	High Sensitive Neutron-Detection by Using a Self-Activation of Iodine-Containing Scintillators for the Photo-Neutron Monitoring around X-ray Radiotherapy Machines. , 2016, , .		3
31	Preliminary design study of a simple neutron energy spectrometer using a CsI self-activation method for daily QA of accelerator-based BNCT. Journal of Nuclear Science and Technology, 2019, 56, 70-77.	1.3	3
32	æ±é›»ç¦å³¶ç¬¬1åŽŸååŠ›ç™ºé›»æ‰€äº‹æ•…ã«èµ·å› ã™ã‚‹ç’°å¢ƒä¸æ”¾å°„æ€§Csã®ç¦å³¶çœŒå†…ä¿å˜ã«ãŠã‘ã‚‹èª¿æŸ». Journal of Smar		3
33	Response function of a stacked GSO(Ce) spectrometer to cosmic-rays. IEEE Transactions on Nuclear Science, 1997, 44, 484-488.	2.0	2
34	Title is missing!. Journal of Radioanalytical and Nuclear Chemistry, 2003, 255, 585-590.	1.5	2
35	Response characteristics of GSO(Ce) crystal to intermediate-energy -particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 564, 324-327.	1.6	2
36	Light output response of LYSO(Ce) crystal to relativistic helium and carbon ions. , 2007, , .		2

#	Article	IF	Citations
37	Improvement of neutron spectrum unfolding based on three-group approximation using CsI self-activation method for evaluation of neutron dose around medical linacs. Radiation Measurements, 2018, 116, 40-45.	1.4	2
38	Neutron detection via thermoluminescence of Ce3+-doped CaOâ€“Al2O3â€“B2O3 glass. Materials Technology, 0, , 1-10.	3.0	2
39	First optical observation of 10B-neutron capture reactions using a boron-added liquid scintillator for quality assurance in boron neutron capture therapy. Radiological Physics and Technology, 2022, 15, 37-44.	1.9	2
40	Stability and reproducibility of gel-suspension samples for the liquid scintillation counting of14C using N-lauroyl-L-glutamic-Î±,Î³-dibutylamide. Journal of Radioanalytical and Nuclear Chemistry, 1999, 240, 929-930.	1.5	1
41	Possible contribution of a highly excited collective state to proton-nucleus multistep interactions at 300 MeV. Physical Review C, 2001, 64, .	2.9	1
42	Study of Proton and Deuteron Spectra from Proton Induced Reactions at Intermediate Energies. Journal of Nuclear Science and Technology, 2002, 39, 246-249.	1.3	1
43	Publisher's Note: Proton production cross sections for reactions by 300- and 392-MeV protons on carbon, aluminum, and niobium [Phys. Rev. C 72, 014606 (2005)]. Physical Review C, 2005, 72, .	2.9	1
44	Light Output Response of GSO(Ce) Crystals to Relativistic Carbon Ions. , 2006, , .		1
45	A method of neutron energy evaluation by using an imaging plate and cone-like acryl converters with a geometrical modulation concept. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 633, 36-45.	1.6	1
46	A design study of application of the CsI self-activation method to the neutron rem-counter technique. Radiation Measurements, 2019, 128, 106181.	1.4	1
47	Readout responses of inclined strips in position-sensitive detectors. IEEE Transactions on Nuclear Science, 2001, 48, 2321-2323.	2.0	0
48	Proton Production Cross Sections for Reactions Induced by 300- and 392-MeV Protons. Journal of Nuclear Science and Technology, 2002, 39, 385-388.	1.3	0
49	Proton Production Cross Sections for Reactions Induced by 300- and 392-MeV Protons. AIP Conference Proceedings, 2005, , .	0.4	0
50	Application of high-energy photon CT system with laser-compton scattering to nondestructive test. , 2007, , .		0
51	A new detector system for the measurement of double differential cross sections of proton-actinide reactions in the 600-MeV region. , 2008, , .		0
52	Thermal Neutron Flux Measurement by Counting Conversion Electrons from ^{134m}Cs Generated in a CsI Scintillator. , 2018, , .		0
53	Study on charged particle productions in proton-nucleus reactions at 392 MeV. , 2007, , .		0
54	Development of non-destructive large-aperture beam monitor. Progress in Nuclear Science and Technology, 2011, 1, 328-331.	0.3	0

#	Article	IF	Citations
55	Measurement of Proton-Production Double Differential Cross Sections by 290 MeV/u Carbon Beams on C, Cu, Pb Targets at Forward Angles. Journal of the Korean Physical Society, 2011, 59, 1840-1843.	0.7	0
56	Study of Light Charged Particle Production Double Differential Cross Sections from Proton-Actinide Reactions at 360 MeV. Journal of the Korean Physical Society, 2011, 59, 1945-1948.	0.7	0
57	Time Trend Change of Air Dose Rate on Paved Areas in Fukushima City After the Fukushima Daiichi NPP Accident. , 2014, , 103-113.		0
58	A method of neutron-energy evaluation based on the position distribution of recoil protons. Progress in Nuclear Science and Technology, 2014, 4, 653-656.	0.3	0