

Genichiro Wakabayashi

List of Publications by Year in descending order

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papers

268
citations

1040056

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docs citations

60
times ranked

195
citing authors

#	ARTICLE	IF	CITATIONS
1	First optical observation of ^{10}B -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
2	Neutron detection via thermoluminescence of Tb^{3+} -doped $\text{Li}_2\text{O} \cdot \text{Al}_2\text{O}_3 \cdot \text{B}_2\text{O}_3$ glasses. Japanese Journal of Applied Physics, 2021, 60, 036002.	1.5	9
3	Thermal Neutron Measurements Using Thermoluminescence Phosphor Cr-doped Al_2O_3 and Cd Neutron Converter. Sensors and Materials, 2021, 33, 2129.	0.5	5
4	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
5	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
6	Thermal Neutron Flux Measurement by Counting Conversion Electrons from ^{134m}Cs Generated in a CsI Scintillator. , 2018, , .		0
7	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
8	Dose Linearity and Linear Energy Transfer Dependence of Cr-doped Al_2O_3 Ceramic Thermoluminescence Detector. Sensors and Materials, 2018, 30, 1599.	0.5	5
9	Shape distortion of ^{128}I 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
10	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
11	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
12	Absorbed dose estimation using LET dependence in glow curve of thermoluminescent phosphor $\text{Li}_3\text{B}_7\text{O}_{12}:\text{Cu}$ in therapeutic carbon beams. Journal of Nuclear Science and Technology, 2016, 53, 2028-2033.	1.3	5
13	X-ray imaging using the thermoluminescent properties of commercial Al_2O_3 ceramic plates. Applied Radiation and Isotopes, 2016, 111, 117-123.	1.5	9
14	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
15	Accuracy of neutron self-activation method with iodine-containing scintillators for quantifying ^{128}I 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
16	Accuracy of neutron self-activation method with iodine-containing scintillators for quantifying ^{128}I generation using decay-fitting technique. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 800, 6-11.		
17	Basic characteristics of tissue-equivalent phantom thermoluminescence slab dosimeter using new TL phosphor $\text{Li}_3\text{B}_7\text{O}_{12}:\text{Cu}$. Radiation Measurements, 2014, 62, 15-21.	1.4	10
18	Thermoluminescent responses of $\text{Li}_3\text{B}_7\text{O}_{12}:\text{Cu}$ to proton beam. Radiation Protection Dosimetry, 2014, 161, 437-440.	0.8	6

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19	Time Trend Change of Air Dose Rate on Paved Areas in Fukushima City After the Fukushima Daiichi NPP Accident. , 2014, , 103-113.		0
20	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
21	Recent activities in the field of radiation measurement and nuclear data. Journal of Nuclear Science and Technology, 2013, 50, 1127-1128.	1.3	3
22	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
23	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
24	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
25	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
26	Scintillation Efficiency of Inorganic Scintillators for Intermediate-Energy Charged Particles. Progress in Nuclear Science and Technology, 2011, 1, 218-221.	0.3	18
27	Development of non-destructive large-aperture beam monitor. Progress in Nuclear Science and Technology, 2011, 1, 328-331.	0.3	0
28	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
29	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
30	Proton-production double-differential cross sections for 300-MeV and 392-MeV proton-induced reactions. Physical Review C, 2010, 82, .	2.9	14
31	A new detector system for the measurement of double differential cross sections of proton-actinide reactions in the 600-MeV region. , 2008, , .		0
32	Light output response of LYSO(Ce) crystal to relativistic helium and carbon ions. , 2007, , .		2
33	Application of high-energy photon CT system with laser-compton scattering to nondestructive test. , 2007, , .		0
34	Study on charged particle productions in proton-nucleus reactions at 392 MeV. , 2007, , .		0
35	Low-Level Radiation Measurement System With Magnetically Levitated Electrode Ionization Chamber Detector. IEEE Transactions on Nuclear Science, 2006, 53, 2276-2280.	2.0	5
36	Light Output Response of GSO(Ce) Crystals to Relativistic Carbon Ions. , 2006, , .		1

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37	Response characteristics of GSO(Ce) crystal to intermediate-energy α -particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 564, 324-327.	1.6	2
38	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
39	Proton Production Cross Sections for Reactions Induced by 300- and 392-MeV Protons. AIP Conference Proceedings, 2005, , .	0.4	0
40	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
41	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
42	The $^{96}\text{Mo}(p,d)^{95}\text{Mo}$ reaction at 50 MeV. Physical Review C, 2004, 70, .	2.9	9
43	Title is missing!. Journal of Radioanalytical and Nuclear Chemistry, 2003, 255, 585-590.	1.5	2
44	$^{100}\text{Mo}(p,n)^{99}\text{Mo}$ reaction at 21 MeV and direct reaction analysis of the low-lying continuum spectrum. Nuclear Physics A, 2003, 714, 3-20.	1.5	11
45	Continuum Spectra in One-nucleon Transfer Reactions $^A Z(p, d)^{A-1} Z'$ Reactions at Medium Energy Region. Journal of Nuclear Science and Technology, 2002, 39, 377-380.	1.3	3
46	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
47	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
48	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
49	Readout responses of inclined strips in position-sensitive detectors. IEEE Transactions on Nuclear Science, 2001, 48, 2321-2323.	2.0	0
50	A ray-trace-type counter telescope for neutron spectrometry. IEEE Transactions on Nuclear Science, 2001, 48, 320-324.	2.0	5
51	Possible contribution of a highly excited collective state to proton-nucleus multistep interactions at 300 MeV. Physical Review C, 2001, 64, .	2.9	1
52	Isobaric analog states observed in the $^{58}\text{Ni}(p,d)^{57}\text{Ni}$ reaction with 65 MeV polarized protons. Physical Review C, 2000, 63, .	2.9	6
53	Simple measurement of ^{14}C in the environment using a gel suspension method. Journal of Radioanalytical and Nuclear Chemistry, 1999, 239, 639-642.	1.5	3
54	Stability and reproducibility of gel-suspension samples for the liquid scintillation counting of ^{14}C using N-lauroyl-L-glutamic-L- β - 3 -dibutylamide. Journal of Radioanalytical and Nuclear Chemistry, 1999, 240, 929-930.	1.5	1

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55	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
56	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
57	Response function of a stacked GSO(Ce) spectrometer to cosmic-rays. IEEE Transactions on Nuclear Science, 1997, 44, 484-488.	2.0	2
58	Neutron detection via thermoluminescence of Ce ³⁺ -doped CaO-Al ₂ O ₃ -B ₂ O ₃ glass. Materials Technology, 0, , 1-10.	3.0	2