

Cuihong Liu

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescence Determination of Ni ²⁺ Ions Based on a Novel Nano-Platform Derived from Silicon Quantum Dots. <i>Silicon</i> , 2022, 14, 385-392.	3.3	4
2	On-ground calibrations of the GRID-02 gamma-ray detector. <i>Experimental Astronomy</i> , 2022, 53, 103-116.	3.7	8
3	Surface modification via 2-thenoyltrifluoroacetone and the photophysical studies. <i>Chemical Papers</i> , 2021, 75, 873-881.	2.2	2
4	Natural radionuclides distribution, depth profiles of caesium-137 and risk assessment for soil samples in west regions of China. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 327, 831-838.	1.5	2
5	First experimental constraints on WIMP couplings in the effective field theory framework from CDEX. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	8
6	In-Situ Seawater Gamma Spectrometry with LaBr ₃ Detector at a Nuclear Power Plant Outlet. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 721.	2.6	3
7	Geant4 simulation of detection efficiency and self-attenuation effect of ¹²⁵ I particles for radioxenon measurement using ¹²⁵ I- ¹³⁷ I coincidence equipment. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 330, 325-332.	1.5	2
8	Compact CubeSat Gamma-ray detector for GRID mission. <i>Nuclear Science and Techniques/Hewuli</i> , 2021, 32, 1.	3.4	15
9	Radioactive impacts of the Fukushima Dai-ichi Nuclear Power Plant Accident on blue sharks in the Northwest Pacific. <i>Chemosphere</i> , 2021, 285, 131537.	8.2	6
10	Study of cosmogenic activation in copper for rare event search experiments. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	2
11	Evaluation of cosmogenic activation of copper and germanium during production in Jinping Underground Laboratory. <i>Nuclear Science and Techniques/Hewuli</i> , 2020, 31, 1.	3.4	8
12	Improving detection sensitivity of a low background BEGe spectrometer by pulse shape discrimination using rise-time ratio. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 325, 183-189.	1.5	0
13	Impact of the Fukushima Dai-ichi Nuclear Power Plant Accident on dolphin fishes in the Northwest Pacific. <i>Chemosphere</i> , 2020, 257, 127267.	8.2	7
14	Hetero-metal encapsulation induced ratiometric recognition of fluoride. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 233, 118218.	3.9	3
15	Optimal design for a ¹²⁵ I Bq/kg gamma spectrometer based on Monte Carlo simulation. <i>Applied Radiation and Isotopes</i> , 2020, 157, 109042.	1.5	0
16	Ionization-density-dependent Scintillation Pulse Shape and Mechanism of Luminescence Quenching in LaBr ₃ :Ce. <i>Physical Review Applied</i> , 2020, 14, .	3.8	4
17	Experimental validation of material discrimination ability of muon scattering tomography at the TUMUTY facility. <i>Nuclear Science and Techniques/Hewuli</i> , 2019, 30, 1.	3.4	9
18	Tunable photoluminescence studies based on blue-emissive carbon dots and sequential determination of Fe(III) and pyrophosphate ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117231.	3.9	19

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19	A study on neutron energy spectrum estimation by LaBr ₃ :Ce detector. Journal of Radioanalytical and Nuclear Chemistry, 2019, 320, 859-864.	1.5	3
20	Performance of Linear PSD Methods on $\hat{1}\pm/\hat{1}^3$ Discrimination for LaBr ₃ : Ce Scintillation Detectors with Different Sampling Properties. , 2019, , .		0
21	Quantitative Analysis of Energy Resolution and Pulse Shape Discrimination of CLYC Detector with Integrated Digitizers. , 2019, , .		0
22	Neutron/Gamma-ray Pulse Shape Discrimination with a CLYC Scintillator. , 2019, , .		5
23	Controllable synthesis of novel luminescent CuFeS ₂ quantum dots with magnetic properties and cation sensing features. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	10
24	Study on cosmogenic activation in germanium detectors for future tonne-scale CDEX experiment. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	15
25	Performances of a prototype point-contact germanium detector immersed in liquid nitrogen for light dark matter search. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	11
26	Gross beta determination in drinking water using scintillating fiber array detector. Applied Radiation and Isotopes, 2018, 137, 161-166.	1.5	6
27	Real-Time Monitoring of Gross Beta Radioactivity in Tap Water and Committed Effective Dose. Health Physics, 2018, 115, 375-381.	0.5	0
28	The CR-39 etching optimization and measurement for radon in China Jinping Underground Laboratory. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 1369-1377.	1.5	6
29	Compton suppression in BEGe detectors by digital pulse shape analysis. Applied Radiation and Isotopes, 2017, 121, 96-100.	1.5	5
30	Optimization of an underwater in-situ LaBr ₃ :Ce spectrometer with energy self-calibration and efficiency calibration. Applied Radiation and Isotopes, 2017, 121, 101-108.	1.5	20
31	Neutron background measurements at China Jinping underground laboratory with a Bonner multi-sphere spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 859, 37-40.	1.6	9
32	Underground measurements of artificial radioactivity in squids from the western Pacific Ocean. Applied Radiation and Isotopes, 2017, 126, 112-115.	1.5	1
33	Characterization of a broad-energy germanium detector for its use in CJPL. Nuclear Science and Techniques/Hewuli, 2017, 28, 1.	3.4	12
34	The China Jinping Underground Laboratory and Its Early Science. Annual Review of Nuclear and Particle Science, 2017, 67, 231-251.	10.2	73
35	First results on ⁷⁶ Ge neutrinoless double beta decay from CDEX-1 experiment. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	16
36	Measurement of $\hat{1}^3$ detector backgrounds in the energy range of 3â€“8 MeV at Jinping underground laboratory for nuclear astrophysics. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	6

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37	An X ray-cosmic ray combined dual-model reconstruction approach for vehicle/container inspection. , 2017, , .		0
38	Radioactive source terms for the Fukushima nuclear accident. Science China Earth Sciences, 2016, 59, 214-222.	5.2	15
39	Energy measurement and application on material discrimination in muon tomography. , 2015, , .		3
40	DNA strand breaks induced by electrons simulated with Nanodosimetry Monte Carlo Simulation Code: NASIC. Radiation Protection Dosimetry, 2015, 166, 38-43.	0.8	24
41	NDT applications of non-contact thermosonics. , 2014, , .		0
42	²³⁴ Th-derived particulate organic carbon export in the Prydz Bay, Antarctica. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 621-630.	1.5	2
43	Magnolol and honokiol included green emissive terbium sol-gel materials and their recognition behaviors. Journal of Sol-Gel Science and Technology, 2014, 69, 231-236.	2.4	2
44	Decay/ingrowth uncertainty correction of ²¹⁰ Po/ ²¹⁰ Pb in seawater. Journal of Environmental Radioactivity, 2014, 137, 22-30.	1.7	7
45	Environmental gamma background measurements in China Jinping Underground Laboratory. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 443-450.	1.5	18
46	The characteristics of a low background germanium gamma ray spectrometer at China JinPing underground laboratory. Applied Radiation and Isotopes, 2014, 91, 165-170.	1.5	10
47	Bayesian-theory-based most probable trajectory reconstruction algorithm in cosmic ray muon tomography. , 2014, , .		2
48	Introduction to the CDEX experiment. Frontiers of Physics, 2013, 8, 412-437.	5.0	80
49	Preliminary analysis of imaging performance in cosmic-ray muon radiography. , 2013, , .		2
50	Preliminary research on performance evaluation and TUCCI model for muon tomography. , 2013, , .		1
51	Preliminary research on application of muon energy measurement based on TOF for muon tomography. , 2013, , .		1
52	Measurement of cosmic ray flux in the China JinPing underground laboratory. Chinese Physics C, 2013, 37, 086001.	3.7	74
53	A scalable digital pulse process module for the MRPC detector of muon tomography. , 2012, , .		0
54	Relationship between crystal structure and luminescent properties of novel red emissive BiVO ₄ :Eu ³⁺ and its photocatalytic performance. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	17

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55	Design and construction of muon tomography facility based on MRPC detector for high-Z materials detection. , 2012, , .		17
56	High position resolution MRPC developed for muon tomography. , 2012, , .		7
57	Monte Carlo simulation of in situ LaBr gamma-ray spectrometer for marine environmental monitoring. Radiation Protection Dosimetry, 2011, 146, 103-106.	0.8	10
58	²³⁴ Th/ ²³⁸ U disequilibrium and particulate organic carbon export in the northwestern South China Sea. Acta Oceanologica Sinica, 2011, 30, 55-62.	1.0	9
59	An AHP Approach To Develop Reference Organisms For Radiological Protection. Progress in Nuclear Science and Technology, 2011, 1, 376-379.	0.3	0
60	²³⁴ Th-derived particulate organic carbon export flux in the western Arctic Ocean. Chinese Journal of Oceanology and Limnology, 2010, 28, 1146-1151.	0.7	7
61	Vertical flux of particulate organic carbon in the central South China Sea estimated from ²³⁴ Th- ²³⁸ U disequilibria. Chinese Journal of Oceanology and Limnology, 2008, 26, 480-485.	0.7	7
62	Analysis of the Dispersion Timeline and Isotope Activity Ratio Characterization of Airborne Radionuclides Released from the Fukushima Daiichi Nuclear Power Plant Accident. ACS Earth and Space Chemistry, 0, , .	2.7	1