

Cuihong Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1129324/publications.pdf>

Version: 2024-02-01

62
papers

616
citations

759233

12
h-index

677142

22
g-index

63
all docs

63
docs citations

63
times ranked

546
citing authors

#	ARTICLE	IF	CITATIONS
1	Introduction to the CDEX experiment. <i>Frontiers of Physics</i> , 2013, 8, 412-437.	5.0	80
2	Measurement of cosmic ray flux in the China JinPing underground laboratory. <i>Chinese Physics C</i> , 2013, 37, 086001.	3.7	74
3	The China Jinping Underground Laboratory and Its Early Science. <i>Annual Review of Nuclear and Particle Science</i> , 2017, 67, 231-251.	10.2	73
4	DNA strand breaks induced by electrons simulated with Nanodosimetry Monte Carlo Simulation Code: NASIC. <i>Radiation Protection Dosimetry</i> , 2015, 166, 38-43.	0.8	24
5	Optimization of an underwater in-situ LaBr 3 :Ce spectrometer with energy self-calibration and efficiency calibration. <i>Applied Radiation and Isotopes</i> , 2017, 121, 101-108.	1.5	20
6	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
7	Environmental gamma background measurements in China Jinping Underground Laboratory. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 301, 443-450.	1.5	18
8	Relationship between crystal structure and luminescent properties of novel red emissive BiVO ₄ :Eu ³⁺ and its photocatalytic performance. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	17
9	Design and construction of muon tomography facility based on MRPC detector for high-Z materials detection. , 2012, , .		17
10	First results on ⁷⁶ Ge neutrinoless double beta decay from CDEX-1 experiment. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	5.1	16
11	Radioactive source terms for the Fukushima nuclear accident. <i>Science China Earth Sciences</i> , 2016, 59, 214-222.	5.2	15
12	Study on cosmogenic activation in germanium detectors for future tonne-scale CDEX experiment. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	15
13	Compact CubeSat Gamma-ray detector for GRID mission. <i>Nuclear Science and Techniques/Hewuli</i> , 2021, 32, 1.	3.4	15
14	Characterization of a broad-energy germanium detector for its use in CJPL. <i>Nuclear Science and Techniques/Hewuli</i> , 2017, 28, 1.	3.4	12
15	Performances of a prototype point-contact germanium detector immersed in liquid nitrogen for light dark matter search. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	11
16	Monte Carlo simulation of in situ LaBr gamma-ray spectrometer for marine environmental monitoring. <i>Radiation Protection Dosimetry</i> , 2011, 146, 103-106.	0.8	10
17	The characteristics of a low background germanium gamma ray spectrometer at China JinPing underground laboratory. <i>Applied Radiation and Isotopes</i> , 2014, 91, 165-170.	1.5	10
18	Controllable synthesis of novel luminescent CuFeS ₂ quantum dots with magnetic properties and cation sensing features. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	10

#	ARTICLE	IF	CITATIONS
19	234Th/238U disequilibrium and particulate organic carbon export in the northwestern South China Sea. <i>Acta Oceanologica Sinica</i> , 2011, 30, 55-62.	1.0	9
20	Neutron background measurements at China Jinping underground laboratory with a Bonner multi-sphere spectrometer. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 859, 37-40.	1.6	9
21	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
22	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
23	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
24	On-ground calibrations of the GRID-02 gamma-ray detector. <i>Experimental Astronomy</i> , 2022, 53, 103-116.	3.7	8
25	Vertical flux of particulate organic carbon in the central South China Sea estimated from 234Th-238U disequilibria. <i>Chinese Journal of Oceanology and Limnology</i> , 2008, 26, 480-485.	0.7	7
26	234Th-derived particulate organic carbon export flux in the western Arctic Ocean. <i>Chinese Journal of Oceanology and Limnology</i> , 2010, 28, 1146-1151.	0.7	7
27	High position resolution MRPC developed for muon tomography. , 2012, , .		7
28	Decay/ingrowth uncertainty correction of 210 Po/ 210 Pb in seawater. <i>Journal of Environmental Radioactivity</i> , 2014, 137, 22-30.	1.7	7
29	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
30	Measurement of $\hat{1}^3$ detector backgrounds in the energy range of $3\hat{a}\hat{e}^{-8}$ MeV at Jinping underground laboratory for nuclear astrophysics. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	5.1	6
31	Gross beta determination in drinking water using scintillating fiber array detector. <i>Applied Radiation and Isotopes</i> , 2018, 137, 161-166.	1.5	6
32	The CR-39 etching optimization and measurement for radon in China Jinping Underground Laboratory. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1369-1377.	1.5	6
33	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
34	Compton suppression in BEGe detectors by digital pulse shape analysis. <i>Applied Radiation and Isotopes</i> , 2017, 121, 96-100.	1.5	5
35	Neutron/Gamma-ray Pulse Shape Discrimination with a CLYC Scintillator. , 2019, , .		5
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Energy measurement and application on material discrimination in muon tomography. , 2015, , .		3
39	A study on neutron energy spectrum estimation by LaBr ₃ :Ce detector. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 320, 859-864.	1.5	3
40	Hetero-metal encapsulation induced ratiometric recognition of fluoride. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 233, 118218.	3.9	3
41	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
42	Preliminary analysis of imaging performance in cosmic-ray muon radiography. , 2013, , .		2
43	²³⁴ Th-derived particulate organic carbon export in the Prydz Bay, Antarctica. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 621-630.	1.5	2
44	Magnolol and honokiol included green emissive terbium sol-gel materials and their recognition behaviors. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 69, 231-236.	2.4	2
45	Bayesian-theory-based most probable trajectory reconstruction algorithm in cosmic ray muon tomography. , 2014, , .		2
46	Surface modification via 2-thenoyltrifluoroacetone and the photophysical studies. <i>Chemical Papers</i> , 2021, 75, 873-881.	2.2	2
47	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
48	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
49	Study of cosmogenic activation in copper for rare event search experiments. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	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	Underground measurements of artificial radioactivity in squids from the western Pacific Ocean. <i>Applied Radiation and Isotopes</i> , 2017, 126, 112-115.	1.5	1
53	Analysis of the Dispersion Timeline and Isotope Activity Ratio Characterization of Airborne Radionuclides Released from the Fukushima Daiichi Nuclear Power Plant Accident. <i>ACS Earth and Space Chemistry</i> , 0, , .	2.7	1
54	A scalable digital pulse process module for the MRPC detector of muon tomography. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
55	NDT applications of non-contact thermosonics. , 2014, , .		0
56	An X ray-cosmic ray combined dual-model reconstruction approach for vehicle/container inspection. , 2017, , .		0
57	Real-Time Monitoring of Gross Beta Radioactivity in Tap Water and Committed Effective Dose. Health Physics, 2018, 115, 375-381.	0.5	0
58	Performance of Linear PSD Methods on $\hat{1}\pm\hat{1}^3$ Discrimination for LaBr3 : Ce Scintillation Detectors with Different Sampling Properties. , 2019, , .		0
59	Quantitative Analysis of Energy Resolution and Pulse Shape Discrimination of CLYC Detector with Integrated Digitizers. , 2019, , .		0
60	Improving detection sensitivity of a low background BEGe spectrometer by pulse shape discrimination using rise-time ratio. Journal of Radioanalytical and Nuclear Chemistry, 2020, 325, 183-189.	1.5	0
61	Optimal design for a $\hat{1}^{1/4}$ Bq/kg gamma spectrometer based on Monte Carlo simulation. Applied Radiation and Isotopes, 2020, 157, 109042.	1.5	0
62	An AHP Approach To Develop Reference Organisms For Radiological Protection. Progress in Nuclear Science and Technology, 2011, 1, 376-379.	0.3	0