Yangyigang Yang

List of Publications by Year
in descending order

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53	193	1307594	1199594
papers	citations	7 h-index	12 g-index

53	53	53	142
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Explosives detection using photoneutrons produced by X-rays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 400-403.	1.6	30
2	Readout for a large area neutron sensitive microchannel plate detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 226-231.	1.6	15
3	Research on a Neutron Detector With a Boron-Lined Honeycomb Neutron Converter. IEEE Transactions on Nuclear Science, 2017, 64, 1048-1055.	2.0	13
4	Neutron Detector Design Based on ALD Coated MCP. Physics Procedia, 2012, 26, 61-69.	1.2	11
5	Characterization of a Cs<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e290" altimg="si8.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>LiYCl<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e298" altimg="si9.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:msub></mml:math>Ce<mml:math	1.6	11
6	Application of X-ray CT to liquid security inspection: System analysis and beam hardening correction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 395-399.	1.6	10
7	Fusion of X-ray Imaging and Photoneutron Induced Gamma Analysis for Contrabands Detection. IEEE Transactions on Nuclear Science, 2013, 60, 1134-1139.	2.0	8
8	Materials identification by X-ray and photoneutron transmission. , 2009, , .		7
9	Identification of High-Z Materials With Photoneutrons Driven by a Low-Energy Electron Linear Accelerator. IEEE Transactions on Nuclear Science, 2017, 64, 1719-1724.	2.0	7
10	Development Progress of the Neutron Imaging Station in CPHS. Physics Procedia, 2015, 69, 96-103.	1.2	6
11	Working Gas Selection of the Honeycomb Converter-Based Neutron Detector. IEEE Transactions on Nuclear Science, 2017, 64, 1683-1688.	2.0	6
12	The Bimodal Neutron and X-ray Imaging Driven by a Single Electron Linear Accelerator. Applied Sciences (Switzerland), 2021, 11, 6050.	2.5	6
13	The Compact Pulsed Hadron Source: A Design Perspective. Journal of the Korean Physical Society, 2010, 56, 1928-1936.	0.7	6
14	Djrho2 is involved in regeneration of visual nerves in Dugesia japonica. Journal of Genetics and Genomics, 2010, 37, 713-723.	3.9	5
15	Study of boron-lined straw-tube detector array for neutron scattering measurement. , 2012, , .		5
16	The research of high detection efficiency boron lined detector with a honeycomb neutron converter. , 2015, , .		5
17	An advanced uranium ore grade estimation method based on photofission driven by an e-LINAC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1014, 165710.	1.6	4
18	The integration of photon and neutron method for contrabands detection with a 7MeV LINAC. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
19	Research of boron lined honey-neutron detector realized with atomic layer deposition. , 2013, , .		3
20	Design of a Compact Neutron Spectrometer Using the CLYC Scintillator. , 2017, , .		3
21	The study of fast neutrons production via the electrodisintegration reactions of high energy electrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161747.	1.6	3
22	Conceptual design of the grazing-incidence focusing small-angle neutron scattering (gif-SANS) instrument at CPHS. Journal of Neutron Research, 2021, 23, 201-205.	1.1	3
23	An iterative prediction method for designing the moderator used for the boron neutron capture therapy. Medical Physics, 2022, 49, 598-610.	3.0	3
24	Study of Artificial Neural Network on Explosive Detection. , 0, , .		2
25	A numerical model of a coated capillary-plate thermal neutron collimator. Chinese Physics C, 2012, 36, 438-442.	3.7	2
26	DOUBLE-EXPONENTIAL FITTING FUNCTION FOR EVALUATION OF COSMIC-RAY-INDUCED NEUTRON FLUENCE RATE IN ARBITRARY LOCATIONS. Radiation Protection Dosimetry, 2017, 177, 317-323.	0.8	2
27	The design of a photoneutron source for the narcotic drugs detection in a large-truck. , 2017, , .		2
28	The Research on the Suppression of Spurious Neutrons for a Neutron Detector Array that May Be Used in the Neutron Scattering. , 2017, , .		2
29	SNM detection based on X-ray scattering. , 2010, , .		1
30	Realization of neutron sensitive MCP with ALD technique. , 2011, , .		1
31	Nuclear material identification by photoneutron and X-Ray radiography. , 2011, , .		1
32	Measurement of Atomic Number by MV X-Ray Scattering Spectra Analysis. IEEE Transactions on Nuclear Science, 2013, 60, 671-675.	2.0	1
33	The 3-D elemental imaging method research based D elemental imaging method research based D elemental imaging method research based D elemental imaging method research based D elemental imaging method research based D elemental imaging method research based D elemental imaging method research based D elemental imaging method research based D elemental imaging method research based on photoneutron analysis on photoneutron analysis on photoneu , 2013, , .		1
34	Strengthened electric field technique implemented on CZT detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 771, 93-97.	1.6	1
35	The Research on the Effect of Boron Layer Roughness for the Detection Efficiency of Boronlined Gaseous Neutron Detector. , 2017, , .		1
36	An Angular Sensitivity Study of the Boron-Lined Honeycomb Convertor Neutron Detector Used for the Small Angle Neutron Scattering. , 2019, , .		1

#	Article	IF	Citations
37	Study of uniform drift electric field used for boron-lined honeycomb neutron detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161431.	1.6	1
38	Material identification using dual particle interrogation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161827.	1.6	1
39	The study of saturation effect of GEM detector for X-ray imaging. , 2009, , .		0
40	Parameters research of coated MCP thermal neutron collimator. , 2009, , .		0
41	Positron analysis based on high energy X-ray source. , 2009, , .		0
42	Explosives detection using dual energy X-ray imaging and photoneutron analysis. , 2009, , .		0
43	Detection of high-Z materials using 7MeV X-rays scattering. , 2011, , .		0
44	Research of ¹⁰BF³ surrounded plastic scintillator as fast neutron detector. , 2012, , .		0
45	Research of ⁹Be photoneutron source used in the photoneutron and X-ray radiography system. , 2013, , .		0
46	Analysis and optimization of spatial resolution for a neutron sensitive microchannel plate detector. , 2016, , .		0
47	Design of a Photoneutron Convertor for Energy Selective Neutron Imaging. , 2017, , .		0
48	Fast neutron resonance analysis based on an ultra-short-pulse-width electron accelerator. , 2018, , .		0
49	Neutron imaging and spatial resolution evaluation of the boron-lined honeycomb neutron converter based detector. , 2018, , .		0
50	The analytical sensitivity research of a photoneutron based drugs detection system. , 2018, , .		0
51	The Study of Boron-Lined Honeycomb Neutron Detector with a Multi-Wire Proportional Chamber Readout. , 2019, , .		0
52	A measurement of (e,xn) cross sections of 181Ta with 100MeV electrons. , 2019, , .		0
53	An e-LINAC driven PGNAA system for concealed drug inspection. , 2020, , .		0