

# Yangyigang Yang

## List of Publications by Year in descending order

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53  
papers

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citations

1307594

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1199594

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53  
all docs

53  
docs citations

53  
times ranked

142  
citing authors

#	ARTICLE	IF	CITATIONS
1	An iterative prediction method for designing the moderator used for the boron neutron capture therapy. Medical Physics, 2022, 49, 598-610.	3.0	3
2	The Bimodal Neutron and X-ray Imaging Driven by a Single Electron Linear Accelerator. Applied Sciences (Switzerland), 2021, 11, 6050.	2.5	6
3	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
4	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
5	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
6	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
7	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
8	An e-LINAC driven PGNA system for concealed drug inspection. , 2020, , .		0
9	Characterization of a $Cs^{226}$ $\beta$ - $\gamma$ source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161827.	1.6	11
10	The Study of Boron-Lined Honeycomb Neutron Detector with a Multi-Wire Proportional Chamber Readout. , 2019, , .		0
11	An Angular Sensitivity Study of the Boron-Lined Honeycomb Converter Neutron Detector Used for the Small Angle Neutron Scattering. , 2019, , .		1
12	A measurement of (e,xn) cross sections of $^{181}\text{Ta}$ with 100MeV electrons. , 2019, , .		0
13	Fast neutron resonance analysis based on an ultra-short-pulse-width electron accelerator. , 2018, , .		0
14	Neutron imaging and spatial resolution evaluation of the boron-lined honeycomb neutron converter based detector. , 2018, , .		0
15	The analytical sensitivity research of a photoneutron based drugs detection system. , 2018, , .		0
16	Research on a Neutron Detector With a Boron-Lined Honeycomb Neutron Converter. IEEE Transactions on Nuclear Science, 2017, 64, 1048-1055.	2.0	13
17	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
18	Working Gas Selection of the Honeycomb Converter-Based Neutron Detector. IEEE Transactions on Nuclear Science, 2017, 64, 1683-1688.	2.0	6



#	ARTICLE	IF	CITATIONS
37	Study of boron-lined straw-tube detector array for neutron scattering measurement. , 2012, , .		5
38	Neutron Detector Design Based on ALD Coated MCP. Physics Procedia, 2012, 26, 61-69.	1.2	11
39	The integration of photon and neutron method for contrabands detection with a 7MeV LINAC. , 2011, , .		3
40	Realization of neutron sensitive MCP with ALD technique. , 2011, , .		1
41	Nuclear material identification by photoneutron and X-Ray radiography. , 2011, , .		1
42	Detection of high-Z materials using 7MeV X-rays scattering. , 2011, , .		0
43	Djrho2 is involved in regeneration of visual nerves in Dugesia japonica. Journal of Genetics and Genomics, 2010, 37, 713-723.	3.9	5
44	SNM detection based on X-ray scattering. , 2010, , .		1
45	The Compact Pulsed Hadron Source: A Design Perspective. Journal of the Korean Physical Society, 2010, 56, 1928-1936.	0.7	6
46	The study of saturation effect of GEM detector for X-ray imaging. , 2009, , .		0
47	Parameters research of coated MCP thermal neutron collimator. , 2009, , .		0
48	Positron analysis based on high energy X-ray source. , 2009, , .		0
49	Materials identification by X-ray and photoneutron transmission. , 2009, , .		7
50	Explosives detection using dual energy X-ray imaging and photoneutron analysis. , 2009, , .		0
51	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
52	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
53	Study of Artificial Neural Network on Explosive Detection. , 0, , .		2