

# Izabella Zychor

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

208  
citations

1163117

8  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Least-squares fitting algorithm for peak pile-up correction in gamma-ray spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 990, 164962.	1.6	5
2	A new tangential gamma-ray spectrometer for fast ion measurements in deuterium and deuterium-tritium plasmas of the Joint European Torus. Review of Scientific Instruments, 2021, 92, 043537.	1.3	11
3	First spatially resolved measurements of the ${}^3\text{He}$ $\pm$ -particle source with the upgraded JET gamma-ray camera. Review of Scientific Instruments, 2021, 92, 053529.	1.3	4
4	High rate neutron and gamma ray spectroscopy of magnetic confinement fusion plasmas. Journal of Instrumentation, 2020, 15, C01010-C01010.	1.2	3
5	Upgraded gamma-ray diagnostics for DT campaigns at JET. Fusion Engineering and Design, 2019, 146, 1007-1010.	1.9	0
6	New FPGA based hardware implementation for JET gamma-ray camera upgrade. Fusion Engineering and Design, 2018, 128, 188-192.	1.9	7
7	Control and data acquisition software upgrade for JET gamma-ray diagnostics. Fusion Engineering and Design, 2018, 128, 117-121.	1.9	4
8	JET diagnostic enhancements testing and commissioning in preparation for DT scientific campaigns. Review of Scientific Instruments, 2018, 89, 10K119.	1.3	7
9	The upgraded JET gamma-ray cameras based on high resolution/high count rate compact spectrometers. Review of Scientific Instruments, 2018, 89, 10I116.	1.3	21
10	Upgrade of the tangential gamma-ray spectrometer beam-line for JET DT experiments. Fusion Engineering and Design, 2017, 123, 749-753.	1.9	11
11	CeBr <sub>3</sub> -based detector for gamma-ray spectrometer upgrade at JET. Fusion Engineering and Design, 2017, 123, 986-989.	1.9	4
12	Development of MPPC-based detectors for high count rate DT campaigns at JET. Fusion Engineering and Design, 2017, 123, 940-944.	1.9	5
13	Characterization of a compact LaBr <sub>3</sub> (Ce) detector with Silicon photomultipliers at high 14 MeV neutron fluxes. Journal of Instrumentation, 2017, 12, C10007-C10007.	1.2	8
14	Conceptual design of the radial gamma ray spectrometers system for $\pm$ particle and runaway electron measurements at ITER. Nuclear Fusion, 2017, 57, 076016.	3.5	45
15	High performance detectors for upgraded gamma ray diagnostics for JET DT campaigns. Physica Scripta, 2016, 91, 064003.	2.5	18
16	Performance of the prototype LaBr <sub>3</sub> spectrometer developed for the JET gamma-ray camera upgrade. Review of Scientific Instruments, 2016, 87, 11E717.	1.3	24
17	Gamma-ray spectroscopy at MHz counting rates with a compact LaBr <sub>3</sub> detector and silicon photomultipliers for fusion plasma applications. Review of Scientific Instruments, 2016, 87, 11E714.	1.3	31