Izabella Zychor

List of Publications by Year
in descending order

17	208	1163117 8	996975 15
papers	citations	h-index	g-index

17	17	17	235
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Conceptual design of the radial gamma ray spectrometers system forÎ±particle and runaway electron measurements at ITER. Nuclear Fusion, 2017, 57, 076016.	3.5	45
2	Gamma-ray spectroscopy at MHz counting rates with a compact LaBr3 detector and silicon photomultipliers for fusion plasma applications. Review of Scientific Instruments, 2016, 87, 11E714.	1.3	31
3	Performance of the prototype LaBr3 spectrometer developed for the JET gamma-ray camera upgrade. Review of Scientific Instruments, 2016, 87, 11E717.	1.3	24
4	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
5	High performance detectors for upgraded gamma ray diagnostics for JET DT campaigns. Physica Scripta, 2016, 91, 064003.	2.5	18
6	Upgrade of the tangential gamma-ray spectrometer beam-line for JET DT experiments. Fusion Engineering and Design, 2017, 123, 749-753.	1.9	11
7	A new tangential gamma-ray spectrometer for fast ion measurements in deuterium and deuteriumâ€“tritium plasmas of the Joint European Torus. Review of Scientific Instruments, 2021, 92, 043537.	1.3	11
8	Characterization of a compact LaBr₃(Ce) detector with Silicon photomultipliers at high 14 MeV neutron fluxes. Journal of Instrumentation, 2017, 12, C10007-C10007.	1.2	8
9	New FPGA based hardware implementation for JET gamma-ray camera upgrade. Fusion Engineering and Design, 2018, 128, 188-192.	1.9	7
10	JET diagnostic enhancements testing and commissioning in preparation for DT scientific campaigns. Review of Scientific Instruments, 2018, 89, 10K119.	1.3	7
11	Development of MPPC-based detectors for high count rate DT campaigns at JET. Fusion Engineering and Design, 2017, 123, 940-944.	1.9	5
12	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
13	CeBr3â€“based detector for gamma-ray spectrometer upgrade at JET. Fusion Engineering and Design, 2017, 123, 986-989.	1.9	4
14	Control and data acquisition software upgrade for JET gamma-ray diagnostics. Fusion Engineering and Design, 2018, 128, 117-121.	1.9	4
15	First spatially resolved measurements of the Dâ€“3He Î±-particle source with the upgraded JET gamma-ray camera. Review of Scientific Instruments, 2021, 92, 053529.	1.3	4
16	High rate neutron and gamma ray spectroscopy of magnetic confinement fusion plasmas. Journal of Instrumentation, 2020, 15, C01010-C01010.	1.2	3
17	Upgraded gamma-ray diagnostics for DT campaigns at JET. Fusion Engineering and Design, 2019, 146, 1007-1010.	1.9	0