

# Gianluigi De Geronimo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11038066/publications.pdf>

Version: 2024-02-01

30  
papers

645  
citations

471509

17  
h-index

642732

23  
g-index

30  
all docs

30  
docs citations

30  
times ranked

527  
citing authors

#	ARTICLE	IF	CITATIONS
1	A CMOS detector leakage current self-adaptable continuous reset system: Theoretical analysis. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 421, 322-333.	1.6	74
2	VMM1â€™An ASIC for Micropattern Detectors. IEEE Transactions on Nuclear Science, 2013, 60, 2314-2321.	2.0	67
3	Characterization of the H3D ASIC Readout System and 6.0 cm <sup>3</sup> 3-D Position Sensitive CdZnTe Detectors. IEEE Transactions on Nuclear Science, 2012, 59, 236-242.	2.0	66
4	Front-End ASIC for a Liquid Argon TPC. IEEE Transactions on Nuclear Science, 2011, 58, 1376-1385.	2.0	43
5	ASIC With Multiple Energy Discrimination for High-Rate Photon Counting Applications. IEEE Transactions on Nuclear Science, 2007, 54, 303-312.	2.0	37
6	Readout ASIC for 3D Position-Sensitive Detectors. IEEE Transactions on Nuclear Science, 2008, 55, 1593-1603.	2.0	37
7	Front-End ASIC for a Silicon Compton Telescope. IEEE Transactions on Nuclear Science, 2008, 55, 2323-2328.	2.0	28
8	ASIC for SDD-Based X-Ray Spectrometers. IEEE Transactions on Nuclear Science, 2010, 57, 1654-1663.	2.0	28
9	Shaper Design in CMOS for High Dynamic Range. IEEE Transactions on Nuclear Science, 2011, 58, 2382-2390.	2.0	27
10	Cold electronics for "Giant" Liquid Argon Time Projection Chambers. Journal of Physics: Conference Series, 2011, 308, 012021.	0.4	27
11	Performance of a Thin-Window Silicon Drift Detector X-Ray Fluorescence Spectrometer. IEEE Transactions on Nuclear Science, 2009, 56, 2843-2849.	2.0	26
12	ASIC for High Rate 3D Position Sensitive Detectors. IEEE Transactions on Nuclear Science, 2010, 57, 1536-1542.	2.0	25
13	Transmission-mode diamond white-beam position monitor at NSLS. Journal of Synchrotron Radiation, 2012, 19, 381-387.	2.4	23
14	LAr TPC Electronics CMOS Lifetime at 300ÅK and 77ÅK and Reliability Under Thermal Cycling. IEEE Transactions on Nuclear Science, 2013, 60, 4737-4743.	2.0	21
15	Pixelated transmission-mode diamond X-ray detector. Journal of Synchrotron Radiation, 2015, 22, 1396-1402.	2.4	18
16	ASIC for Small Angle Neutron Scattering Experiments at the SNS. IEEE Transactions on Nuclear Science, 2007, 54, 541-548.	2.0	17
17	Front-End ASIC for High Resolution X-Ray Spectrometers. IEEE Transactions on Nuclear Science, 2008, 55, 1604-1609.	2.0	17
18	Front-end ASIC for a liquid argon TPC. , 2010, , .		9

#	ARTICLE	IF	CITATIONS
19	Cold Electronics Development for the LBNE LAr TPC. Physics Procedia, 2012, 37, 1295-1302.	1.2	9
20	The VMM3a ASIC. IEEE Transactions on Nuclear Science, 2022, 69, 976-985.	2.0	8
21	VMM1 - An ASIC for micropattern detectors. , 2012, , .		7
22	Design Considerations and Testing of Virtual Frisch-Grid CdZnTe Detector Arrays Using the H3D ASIC. IEEE Transactions on Nuclear Science, 2013, 60, 2875-2882.	2.0	6
23	Front-end ASIC for spectroscopic readout of virtual Frisch-grid CZT bar sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 940, 1-11.	1.6	6
24	Comparison of two different methods to produce thin-window silicon drift detectors. , 2009, , .		5
25	ASIC for SDD-based X-ray spectrometers. , 2009, , .		4
26	A Low-Power, Radiation-Resistant ASIC for SDD-Based X-Ray Spectrometers. IEEE Transactions on Nuclear Science, 2013, 60, 3057-3062.	2.0	3
27	An Ultra-Low-Noise LDO Regulator in 65 nm for Analog Front-End ASICs in Cryogenic Environment. , 2018, , .		3
28	Front-end ASIC for high-resolution and high rate CsI(Tl)-Si detectors. , 2012, , .		2
29	Development of a High-Rate Front-End ASIC for X-Ray Spectroscopy and Diffraction Applications. IEEE Transactions on Nuclear Science, 2020, 67, 752-759.	2.0	2
30	Characterization of the VMM front-end ASIC for High-Resolution Applications. , 2020, , .		0