

# Gianluigi De Geronimo

## List of Publications by Year in descending order

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30  
papers

645  
citations

471509

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h-index

642732

23  
g-index

30  
all docs

30  
docs citations

30  
times ranked

527  
citing authors

#	ARTICLE	IF	CITATIONS
1	The VMM3a ASIC. IEEE Transactions on Nuclear Science, 2022, 69, 976-985.	2.0	8
2	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
3	Characterization of the VMM front-end ASIC for High-Resolution Applications. , 2020, , .		0
4	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
5	An Ultra-Low-Noise LDO Regulator in 65 nm for Analog Front-End ASICs in Cryogenic Environment. , 2018, , .		3
6	Pixelated transmission-mode diamond X-ray detector. Journal of Synchrotron Radiation, 2015, 22, 1396-1402.	2.4	18
7	A Low-Power, Radiation-Resistant ASIC for SDD-Based X-Ray Spectrometers. IEEE Transactions on Nuclear Science, 2013, 60, 3057-3062.	2.0	3
8	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
9	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
10	VMM1 - An ASIC for Micropattern Detectors. IEEE Transactions on Nuclear Science, 2013, 60, 2314-2321.	2.0	67
11	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
12	Front-end ASIC for high-resolution and high rate CsI(Tl)-Si detectors. , 2012, , .		2
13	VMM1 - An ASIC for micropattern detectors. , 2012, , .		7
14	Cold Electronics Development for the LBNE LAr TPC. Physics Procedia, 2012, 37, 1295-1302.	1.2	9
15	Transmission-mode diamond white-beam position monitor at NSLS. Journal of Synchrotron Radiation, 2012, 19, 381-387.	2.4	23
16	Shaper Design in CMOS for High Dynamic Range. IEEE Transactions on Nuclear Science, 2011, 58, 2382-2390.	2.0	27
17	Cold electronics for "Giant" Liquid Argon Time Projection Chambers. Journal of Physics: Conference Series, 2011, 308, 012021.	0.4	27
18	Front-End ASIC for a Liquid Argon TPC. IEEE Transactions on Nuclear Science, 2011, 58, 1376-1385.	2.0	43

#	ARTICLE	IF	CITATIONS
19	ASIC for High Rate 3D Position Sensitive Detectors. IEEE Transactions on Nuclear Science, 2010, 57, 1536-1542.	2.0	25
20	Front-end ASIC for a liquid argon TPC. , 2010, , .		9
21	ASIC for SDD-Based X-Ray Spectrometers. IEEE Transactions on Nuclear Science, 2010, 57, 1654-1663.	2.0	28
22	ASIC for SDD-based X-ray spectrometers. , 2009, , .		4
23	Performance of a Thin-Window Silicon Drift Detector X-Ray Fluorescence Spectrometer. IEEE Transactions on Nuclear Science, 2009, 56, 2843-2849.	2.0	26
24	Comparison of two different methods to produce thin-window silicon drift detectors. , 2009, , .		5
25	Front-End ASIC for a Silicon Compton Telescope. IEEE Transactions on Nuclear Science, 2008, 55, 2323-2328.	2.0	28
26	Readout ASIC for 3D Position-Sensitive Detectors. IEEE Transactions on Nuclear Science, 2008, 55, 1593-1603.	2.0	37
27	Front-End ASIC for High Resolution X-Ray Spectrometers. IEEE Transactions on Nuclear Science, 2008, 55, 1604-1609.	2.0	17
28	ASIC for Small Angle Neutron Scattering Experiments at the SNS. IEEE Transactions on Nuclear Science, 2007, 54, 541-548.	2.0	17
29	ASIC With Multiple Energy Discrimination for High-Rate Photon Counting Applications. IEEE Transactions on Nuclear Science, 2007, 54, 303-312.	2.0	37
30	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