

Mariano GÃ³mez Berisso

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

255
citations

1307594

7
h-index

1199594

12
g-index

19
all docs

19
docs citations

19
times ranked

355
citing authors

#	ARTICLE	IF	CITATIONS
1	Closing the spin gap in the Kondo insulator Ce3Bi4Pt3 at high magnetic fields. Nature, 2000, 405, 160-163.	27.8	111
2	Particle detection and classification using commercial off the shelf CMOS image sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 827, 171-180.	1.6	43
3	Soft X-rays spectroscopy with a commercial CMOS image sensor at room temperature. Radiation Physics and Chemistry, 2020, 167, 108354.	2.8	17
4	QUBIC: Exploring the Primordial Universe with the Q&U Bolometric Interferometer. Universe, 2019, 5, 42.	2.5	15
5	Commercial CMOS pixel array for beta and gamma radiation particle counting. , 2015, , .		14
6	X-ray micrographic imaging system based on COTS CMOS sensors. International Journal of Circuit Theory and Applications, 2018, 46, 1848-1857.	2.0	14
7	Thermal neutron detector based on COTS CMOS imagers and a conversion layer containing Gadolinium. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 893, 157-163.	1.6	13
8	Displacement Damage in CMOS Image Sensors After Thermal Neutron Irradiation. IEEE Transactions on Nuclear Science, 2018, 65, 2793-2801.	2.0	9
9	Neutron detection capabilities of Water Cherenkov Detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 952, 161962.	1.6	4
10	Neutron detection using a water Cherenkov detector with pure water and a single PMT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 876, 153-155.	1.6	3
11	COTS CMOS active pixel sensors damage after alpha, thermal neutron, and gamma irradiation. , 2016, , .		2
12	Fully-Depleted SOI MOSFET Sensors in Accumulation Mode for Total Dose Measurement. , 2018, , .		2
13	Ultralow Power Ionizing Dose Sensor Based on Complementary Fully Depleted MOS Transistors for Radiotherapy Application. IEEE Transactions on Nuclear Science, 2020, 67, 2217-2223.	2.0	2
14	Neutron&gamma dosimetry for BNCT using field oxide transistors with gadolinium oxide as neutron converter layer. Medical Physics, 2022, 49, 1276-1285.	3.0	2
15	Note: Single-polarity high-voltage amplifier to drive coarse-approach slip-stick piezoelectric motors. Review of Scientific Instruments, 2013, 84, 056104.	1.3	1
16	Implementation of an ionizing radiation detector based on a FPGA-controlled COTS CMOS image sensor. , 2017, , .		1
17	Setup and calibration of a particle detector based on charge coupled devices. , 2017, , .		1
18	A Low Cost Environmental Ionizing Radiation Detector Based on COTS CMOS Image Sensors. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	X-ray spectroscopy up to 17.6 keV using a Commercial Off The Shelf CMOS Image Sensor. , 2020, , .		0