

Filomeno SÃ¡nchez

List of Publications by Year in descending order

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154
papers

2,595
citations

257450

24
h-index

214800

47
g-index

154
all docs

154
docs citations

154
times ranked

2056
citing authors

#	ARTICLE	IF	CITATIONS
1	SPI: The spectrometer aboard INTEGRAL. <i>Astronomy and Astrophysics</i> , 2003, 411, L63-L70.	5.1	472
2	SPI/INTEGRAL in-flight performance. <i>Astronomy and Astrophysics</i> , 2003, 411, L91-L100.	5.1	127
3	Depth of γ -ray interaction within continuous crystals from the width of its scintillation light-distribution. <i>IEEE Transactions on Nuclear Science</i> , 2005, 52, 560-572.	2.0	117
4	Design and evaluation of the MAMMI dedicated breast PET. <i>Medical Physics</i> , 2012, 39, 5393-5404.	3.0	101
5	ALBIRA: A small animal PET/SPECT/CT imaging system. <i>Medical Physics</i> , 2013, 40, 051906.	3.0	81
6	Design and tests of a portable mini gamma camera. <i>Medical Physics</i> , 2004, 31, 1384-1397.	3.0	70
7	Organ-Dedicated Molecular Imaging Systems. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018, 2, 388-403.	3.7	64
8	INTEGRAL/SPI ground calibration. <i>Astronomy and Astrophysics</i> , 2003, 411, L71-L79.	5.1	62
9	Performance Study of a Large Monolithic LYSO PET Detector With Accurate Photon DOI Using Retroreflector Layers. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2017, 1, 229-237.	3.7	61
10	Monte Carlo simulations and generation of the SPI response. <i>Astronomy and Astrophysics</i> , 2003, 411, L81-L84.	5.1	61
11	Performance tests of two portable mini gamma cameras for medical applications. <i>Medical Physics</i> , 2006, 33, 4210-4220.	3.0	59
12	A PET Design Based on SiPM and Monolithic LYSO Crystals: Performance Evaluation. <i>IEEE Transactions on Nuclear Science</i> , 2016, 63, 2471-2477.	2.0	56
13	Small animal PET scanner based on monolithic LYSO crystals: Performance evaluation. <i>Medical Physics</i> , 2012, 39, 643-653.	3.0	54
14	The MINDView brain PET detector, feasibility study based on SiPM arrays. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 818, 82-90.	1.6	54
15	Initial Results of the MINDView PET Insert Inside the 3T mMR. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 343-351.	3.7	47
16	Dependency of Energy-, Position- and Depth of Interaction Resolution on Scintillation Crystal Coating and Geometry. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 1344-1351.	2.0	44
17	Time-to-Digital Converter Based on FPGA With Multiple Channel Capability. <i>IEEE Transactions on Nuclear Science</i> , 2014, 61, 107-114.	2.0	42
18	Scanner calibration of a small animal PET camera based on continuous LSO crystals and flat panel PSPMTs. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 571, 26-29.	1.6	38

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19	Exploring TOF capabilities of PET detector blocks based on large monolithic crystals and analog SiPMs. <i>Physica Medica</i> , 2020, 70, 10-18.	0.7	38
20	A flat-panel-based mini gamma camera for lymph nodes studies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 527, 92-96.	1.6	36
21	Depth of interaction detection for γ -ray imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 600, 624-634.	1.6	32
22	Detector block performance based on a monolithic LYSO crystal using a novel signal multiplexing method. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 912, 372-377.	1.6	29
23	Measurement of radium and thorium isotopes in environmental samples by alpha-spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1995, 191, 3-13.	1.5	26
24	Corrected position estimation in PET detector modules with multi-anode PMTs using neural networks. <i>IEEE Transactions on Nuclear Science</i> , 2006, 53, 776-783.	2.0	25
25	Calibration of Gamma Ray Impacts in Monolithic-Based Detectors Using Voronoi Diagrams. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 350-360.	3.7	23
26	Maximum likelihood positioning for gamma-ray imaging detectors with depth of interaction measurement. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 604, 359-362.	1.6	21
27	Portable mini gamma camera for medical applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 486, 186-190.	1.6	20
28	Attenuation correction without transmission scan for the MAMMI breast PET. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 648, S75-S78.	1.6	20
29	Feasibility Study of a Small Animal PET Insert Based on a Single LYSO Monolithic Tube. <i>Frontiers in Medicine</i> , 2018, 5, 328.	2.6	20
30	Novel method to measure the intrinsic spatial resolution in PET detectors based on monolithic crystals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 920, 58-67.	1.6	20
31	SPI/INTEGRAL observation of the Cygnus region. <i>Astronomy and Astrophysics</i> , 2003, 411, L377-L382.	5.1	20
32	Determination of the Interaction Position of Gamma Photons in Monolithic Scintillators Using Neural Network Fitting. <i>IEEE Transactions on Nuclear Science</i> , 2016, 63, 30-36.	2.0	19
33	A Monte Carlo based method of including gamma self-absorption for the analysis of environmental samples. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1991, 61, 535-540.	1.4	18
34	Implementation and analysis of list mode algorithm using tubes of response on a dedicated brain and breast PET. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 702, 129-132.	1.6	18
35	Folding model analysis of $^{32}\text{S} + ^{32}\text{S}$ elastic scattering at 70, 90, 97.09, 120 and 160 MeV. <i>Nuclear Physics A</i> , 1987, 473, 353-364.	1.5	16
36	Effect of pH, temperature, conductivity and sediment size on thorium and radium activities along Jucar River (Spain). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1999, 242, 671-681.	1.5	16

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37	Depth of interaction detection with enhanced position-sensitive proportional resistor network. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 326-330.	1.6	16
38	Results of a combined monolithic crystal and an array of ASICs controlled SiPMs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 734, 132-136.	1.6	16
39	Production rate of proton-induced isotopes in different materials. Nuclear Instruments & Methods in Physics Research B, 2000, 160, 73-125.	1.4	15
40	DOI measurement with monolithic scintillation crystals: A primary performance evaluation. , 2007, , .		14
41	Natural and artificial radioactivity levels in Livingston Island (Antarctic Regions). Bulletin of Environmental Contamination and Toxicology, 1994, 52, 117-24.	2.7	13
42	Performance Study of a Wide-Area SiPM Array, ASICs Controlled. IEEE Transactions on Nuclear Science, 2015, 62, 19-26.	2.0	13
43	In-depth evaluation of TOF-PET detectors based on crystal arrays and the TOFPET2 ASIC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 977, 164295.	1.6	13
44	Monte Carlo simulation of alpha spectra in low-geometry measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 338, 506-510.	1.6	12
45	Surface absorption in the interactions at energies near the coulomb barrier. Nuclear Physics A, 1995, 588, 537-558.	1.5	12
46	Behavior of uranium along Jucar River (Eastern Spain): Determination of $^{234}\text{U}/^{238}\text{U}$ and $^{235}\text{U}/^{238}\text{U}$ ratios. Journal of Radioanalytical and Nuclear Chemistry, 1995, 190, 113-120.	1.5	12
47	Medium field of view multiflat panel-based portable gamma camera. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 525, 298-302.	1.6	12
48	Design of a coincidence processing board for a dual-head PET scanner for breast imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 546, 28-32.	1.6	12
49	Calibration and Performance Tests of Detectors for Laser-Accelerated Protons. IEEE Transactions on Nuclear Science, 2015, 62, 3216-3224.	2.0	12
50	Highly improved operation of monolithic BGO-PET blocks. Journal of Instrumentation, 2017, 12, C11027-C11027.	1.2	12
51	Radioactive concentrations of the Livingston Island soils (Antartica). Dosimetry considerations. Applied Radiation and Isotopes, 1994, 45, 675-681.	1.5	11
52	The EM imaging reconstruction method in $\hat{\gamma}$ -ray astronomy. Nuclear Instruments & Methods in Physics Research B, 1998, 145, 469-481.	1.4	11
53	Performance of a DOI-encoding small animal PET system with monolithic scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 695, 317-321.	1.6	10
54	Innovative PET detector concept based on SiPMs and continuous crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 695, 213-217.	1.6	10

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55	Simulation Study of Resistor Networks Applied to an Array of 256 SiPMs. IEEE Transactions on Nuclear Science, 2013, 60, 592-598.	2.0	10
56	Timing Results Using an FPGA-Based TDC with Large Arrays of 144 SiPMs. IEEE Transactions on Nuclear Science, 2015, 62, 12-18.	2.0	10
57	A coded mask for $\hat{\text{I}}^3$ -ray astronomy. Design and calibration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 500, 253-262.	1.6	9
58	Performance tests of a medical mini gamma-camera (summary). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 504, 232-233.	1.6	9
59	Exploiting symmetries for weight matrix design in CT imaging. Mathematical and Computer Modelling, 2011, 54, 1655-1664.	2.0	9
60	High resolution Time of Flight determination based on reconfigurable logic devices for future PET/MR systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 702, 73-76.	1.6	9
61	Expectation maximization (EM) algorithms using polar symmetries for computed tomography (CT) image reconstruction. Computers in Biology and Medicine, 2013, 43, 1053-1061.	7.0	9
62	EM tomographic image reconstruction using polar voxels. Journal of Instrumentation, 2013, 8, C01004-C01004.	1.2	9
63	A novel brain PET insert for the MINDView project. , 2014, , .		9
64	Detector block based on arrays of 144 SiPMs and monolithic scintillators: A performance study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 787, 42-45.	1.6	9
65	High resolution and sensitivity gamma camera with active septa. A first Monte Carlo study. Scientific Reports, 2019, 9, 18431.	3.3	9
66	Pilot performance of a dedicated prostate PET suitable for diagnosis and biopsy guidance. EJNMMI Physics, 2020, 7, 38.	2.7	9
67	Performance evaluation of side-by-side optically coupled monolithic LYSO crystals. Medical Physics, 2022, 49, 5616-5626.	3.0	9
68	Time of flight measurements based on FPGA and SiPMs for PET-MR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 734, 127-131.	1.6	8
69	Noise Analysis in Computed Tomography (CT) Image Reconstruction using QR-Decomposition Algorithm. IEEE Transactions on Nuclear Science, 2015, 62, 869-875.	2.0	8
70	Improved Digital Pulse Height Estimation for PET Detectors Using LMS Adaptive Filters. IEEE Transactions on Nuclear Science, 2008, 55, 48-53.	2.0	7
71	Analysis of time resolution in a dual head $\langle \text{mml:math} \rangle$ $\langle \text{mml:math} \rangle$ LSO $\langle \text{mml:math} \rangle$ + $\langle \text{mml:math} \rangle$ PSPMT $\langle \text{mml:math} \rangle$ PET system using low pass filter interpolation and digital constant fraction discriminator techniques. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 347-350.	1.6	7
72	Minimization of Parallax Error in Dedicated Breast PET. IEEE Transactions on Nuclear Science, 2013, 60, 739-745.	2.0	7

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73	Design of the PET+MR system for head imaging of the DREAM Project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 702, 94-97.	1.6	7
74	3-D photon impact determination using fitting approaches to the Light Distribution. , 2014, , .		7
75	Building blocks of a multi-layer PET with time sequence photon interaction discrimination and double Compton camera. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 895, 74-83.	1.6	7
76	Background in low Earth orbits measured by LEGRI telescope " short and long term variability. Nuclear Instruments & Methods in Physics Research B, 1999, 155, 160-168.	1.4	6
77	Position correction with depth of interaction information for a small animal PET system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 648, S176-S180.	1.6	6
78	Design and preliminary performance of a readout ASIC for CZT based high resolution PET. , 2011, , .		6
79	First results of an ASIC controlled γ-detector based on a SiPM-array and a monolithic LYSO. , 2012, , .		6
80	QR-Factorization Algorithm for Computed Tomography (CT): Comparison With FDK and Conjugate Gradient (CG) Algorithms. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 459-469.	3.7	6
81	Spallation products induced in CsI(Tl) by high-energy protons. Astrophysical Journal, Supplement Series, 1994, 92, 683.	7.7	6
82	Reduction of the Compton effect in large-volume environmental samples for standard geometrical dispositions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 312, 207-210.	1.6	5
83	Design and Calibration of a Small Animal Pet Scanner Based on Continuous LYSO Crystals and PSPMTs. , 2006, , .		5
84	Performance characteristics of the MAMMI PEMT scanner based on NEMA NU 2–2007. , 2010, , .		5
85	Performance of large BGO arrays coupled to SiPM photosensors " Continued study. , 2015, , .		5
86	Pilot Studies With BGO Scintillators Coupled to Low-Noise, Large-Area, SiPM Arrays. IEEE Transactions on Nuclear Science, 2016, 63, 2482-2486.	2.0	5
87	High energy proton-induced radioactivity in HgI2 crystals. Nuclear Instruments & Methods in Physics Research B, 1995, 95, 344-348.	1.4	4
88	Production of radionuclides by 1.7 GeV proton-induced reactions on CdTe crystals. Nuclear Instruments & Methods in Physics Research B, 1996, 111, 315-320.	1.4	4
89	Impact of crystal quality, geometry and surface finish for 3D impact position measurements in gamma ray detection systems. , 2007, , .		4
90	Impact of the scattering coefficient of scintillation crystals (LYSO and LSO) on depth of interaction resolution. , 2008, , .		4

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91	Sparse Givens resolution of large system of linear equations: Applications to image reconstruction. Mathematical and Computer Modelling, 2010, 52, 1258-1264.	2.0	4
92	Next generation of the Albira small animal PET based on high density SiPM arrays. , 2015, , .		4
93	Analysis of the Statistical Moments of the Scintillation Light Distribution With dSiPMs. IEEE Transactions on Nuclear Science, 2015, 62, 1981-1988.	2.0	4
94	A scintillator geometry suitable for very small PET gantries. Journal of Instrumentation, 2017, 12, C12018-C12018.	1.2	4
95	PET detector block with accurate 4D capabilities. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 912, 132-136.	1.6	4
96	Study of the background components for a Ge(HP) detector in environmental radioactivity measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 339, 297-301.	1.6	3
97	Legri Operations. Detectors and Detector Stability. Astrophysics and Space Science, 2001, 276, 239-254.	1.4	3
98	Imaging with the coded aperture gamma-ray spectrometer SPI aboard INTEGRAL. , 2003, , .		3
99	The Gamma Functional Navigator. IEEE Transactions on Nuclear Science, 2004, 51, 682-689.	2.0	3
100	Time of flight measurements based on FPGA using a breast dedicated PET. Journal of Instrumentation, 2014, 9, C05012-C05012.	1.2	3
101	144 Channel measurement IC for CdZnTe sensors with energy and time resolution. Microelectronics Journal, 2014, 45, 1275-1280.	2.0	3
102	A brain PET insert MR compatible: Final design and first results. , 2016, , .		3
103	TOF studies for dedicated PET with open geometries. Journal of Instrumentation, 2019, 14, C02006-C02006.	1.2	3
104	Proton-induced background in LEGRI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 380, 483-485.	1.6	2
105	Monte Carlo study of an imager for low-energy $\hat{\text{I}}^3$ -ray astronomy: Optimization of the design and evaluation of the scientific performances. Nuclear Instruments & Methods in Physics Research B, 1997, 122, 283-292.	1.4	2
106	The transfer of uranium from sediment to water along Jucar River, Spain. Journal of Radioanalytical and Nuclear Chemistry, 1999, 242, 297-307.	1.5	2
107	LEGRI Background. Short Term Variability. Astrophysics and Space Science, 2001, 276, 255-262.	1.4	2
108	Calibration of the spectrometer aboard the INTEGRAL satellite. , 2003, , .		2

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109	High-resolution multichannel Time-to-Digital Converter core implemented in FPGA for ToF measurements in SiPM-PET. , 2013, , .		2
110	Effect of noise in CT image reconstruction using QR-Decomposition algorithm. , 2013, , .		2
111	Monolithic crystals for PET devices: Optical coupling optimization. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 731, 288-294.	1.6	2
112	Retroreflector arrays for better light collection efficiency of $\hat{1}^3$ -ray imaging detectors with continuous scintillation crystals without DOI misestimation. Journal of Instrumentation, 2014, 9, P04009-P04009.	1.2	2
113	Minimization of border effects in monolithic scintillators using neural networks, based on MR-compatible SiPM arrays. EJNMMI Physics, 2014, 1, A19.	2.7	2
114	A new method for image reconstruction in computed tomography (CT) using QR-Decomposition: Image quality assessment. , 2015, , .		2
115	Detailed requirements for a laser-based proton/ion accelerator for radioisotope production. , 2015, , .		2
116	Improving PET sensitivity with a Compton algorithm. Journal of Physics: Conference Series, 2017, 931, 012012.	0.4	2
117	Imaging test setup for the coded-mask /spl gamma/-ray spectrometer SPI. IEEE Transactions on Nuclear Science, 2001, 48, 1053-1058.	2.0	1
118	Determination of IBIS mask transmission matrix. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 571-580.	1.6	1
119	Time of Flight measurements in PET systems using FPGAs. , 2012, , .		1
120	Statistical moments of scintillation light distribution analysis with dSiPMs and monolithic crystals. , 2013, , .		1
121	Time-of-flight detector for the characterisation of laser-accelerated protons. , 2013, , .		1
122	Dosimetric calibration of radiochromic film for laser-accelerated proton beams. , 2013, , .		1
123	Performance evaluation of the dual ring MAMMI breast PET. , 2013, , .		1
124	Progress report on the MindView brain PET detector module based on large area SiPMs arrays. EJNMMI Physics, 2014, 1, A66.	2.7	1
125	Pile-up discrimination method applied to novel gamma-ray detectors based on SiPMs arrays. , 2014, , .		1
126	Pilot tests of a PET insert based on monolithic crystals in a 7T MR. , 2016, , .		1

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127	Noise rejection in monolithic PET detectors. , 2016, , .		1
128	Performance evaluation of the mindview PET using GATE and STIR. , 2016, , .		1
129	Improving PET Sensitivity and Resolution by Photon Interaction Sequence Timing Discrimination. , 2017, , .		1
130	Implementation of Monolithic Crystals in Stand- Alone Brain PET, and PET-MR Insert, Developments. , 2017, , .		1
131	A Method to Measure the Intrinsic Detector Resolution on Monolithic Crystals. , 2017, , .		1
132	TOF-PET Detectors Based on ASIC Technology and Analog SiPMs. , 2018, , .		1
133	Calibration of PET Detectors Based on Monolithic Blocks Using Voronoi Diagrams. , 2018, , .		1
134	Motion Correction of Multi-Frame PET Data. , 2019, , .		1
135	Modelling of U, Th, Ra and ¹³⁷ Cs radionuclides behaviour in rivers. Comparison with field observations. Applied Mathematical Modelling, 2000, 25, 57-77.	4.2	0
136	Comparison Between Theoretical Predictions and LEGRI Background Noise Experimental Measurements. Astrophysics and Space Science, 2001, 276, 273-279.	1.4	0
137	Background noise read out by CsI(Tl) detectors irradiated with high energy protons. Nuclear Instruments & Methods in Physics Research B, 2001, 174, 526-534.	1.4	0
138	DOI-Enhanced Gamma-Ray Position Detection for a small animal PET camera. , 0, , .		0
139	Data acquisition electronics for positron emission mammography (PEM) detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 335-338.	1.6	0
140	Energy and spatial resolution for a continuous scintillation crystal - interface - continuous scintillation crystal system in Positron Emission Tomography(PET). , 2009, , .		0
141	144 channel measurement IC for CZT sensors with energy and time resolution. , 2013, , .		0
142	Time reconstruction study using tubes of response backprojectors in list mode algorithms, applied to a monolithic crystals based breast PET. , 2013, , .		0
143	Parallelization of MLEM algorithm for PET reconstruction based on GPUs. , 2014, , .		0
144	Position sensitive photosensors based on SiPM arrays. , 2014, , .		0

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145	Continuous or pixelated scintillators?, not longer a discussion. , 2014, , .		0
146	Design of a Thomson parabola spectrometer for the detection of laser-accelerated protons and ions. , 2015, , .		0
147	Pixel size gradient detector for monolithic crystal PET systems. , 2015, , .		0
148	Preliminary characterization of ASIC-based detectors for TOF-PET applications. , 2016, , .		0
149	Progress Report for an Accurate PET Detector Based on SiPMs and the TOFPET ASIC. , 2017, , .		0
150	PET Detector Block with DOI Capabilities Based on a Large Monolithic BGOCrystal. , 2017, , .		0
151	A Direct Ray Tracing Reconstruction Algorithm Using an Adaptive Median Filter. , 2017, , .		0
152	Characterization of LYSO and CeBr3 Detectors with Lateral Sides Readout for a Multilayer Compton-PET. , 2019, , .		0
153	A 3 X 3 CsI(Tl) array as an example of a segmented detector. Astrophysical Journal, Supplement Series, 1994, 92, 659.	7.7	0
154	Towards 100 ps PET Detectors Suitable for High-Resolution Brain Mouse Imaging. , 2020, , .		0