

# Ana Ros Garca

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30  
papers

206  
citations

8  
h-index

13  
g-index

33  
ext. papers

269  
ext. citations

1.7  
avg, IF

1.92  
L-index

#	Paper	IF	Citations
30	. <i>IEEE Transactions on Nuclear Science</i> , <b>2008</b> , 55, 1344-1351	1.7	36
29	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> , <b>2007</b> , 571, 26-29	1.2	34
28	Depth of interaction detection for $\Gamma$ -ray imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2009</b> , 600, 624-634 <sup>1.2</sup>	1.2	28
27	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> , <b>2009</b> , 604, 359-362	1.2	17
26	DOI measurement with monolithic scintillation crystals: A primary performance evaluation <b>2007</b> ,		12
25	Performance improvement tests of MACACO: A Compton telescope based on continuous crystals and SiPMs. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2018</b> , 912, 48-52	1.2	10
24	Testbeam studies of a TORCH prototype detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2018</b> , 908, 256-268 <sup>1.2</sup>	1.2	9
23	The TORCH detector R&D: Status and perspectives. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2017</b> , 876, 156-159 <sup>1.2</sup>	1.2	8
22	Simulation Study of Resistor Networks Applied to an Array of 256 SiPMs. <i>IEEE Transactions on Nuclear Science</i> , <b>2013</b> , 60, 592-598	1.7	7
21	Design of the PETMR system for head imaging of the DREAM Project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 702, 94-97	1.2	5
20	Design and Calibration of a Small Animal Pet Scanner Based on Continuous LYSO Crystals and PSPMTs <b>2006</b> ,		5
19	Expandable programmable integrated front-end for scintillator based photodetectors <b>2012</b> ,		4
18	Evaluation of a timing integrated circuit architecture for continuous crystal and SiPM based PET systems. <i>Journal of Instrumentation</i> , <b>2013</b> , 8, C03017-C03017	1	3
17	Impact of the scattering coefficient of scintillation crystals (LYSO and LSO) on depth of interaction resolution <b>2008</b> ,		3
16	MACACO II test-beam with high energy photons. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 245027	3.8	3
15	A spectral reconstruction algorithm for two-plane Compton cameras. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 025011	3.8	3
14	Image reconstruction for a multi-layer Compton telescope: an analytical model for three interaction events. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 145005	3.8	2

13	The TORCH time-of-flight detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 824, 106-110	1.2	2
12	Evaluation of a Modular PET System Architecture with Synchronization over Data Links. <i>IEEE Transactions on Nuclear Science</i> , <b>2014</b> , 61, 88-98	1.7	2
11	Retroreflector arrays for better light collection efficiency of $\gamma$ ray imaging detectors with continuous scintillation crystals without DOI misestimation. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P04009-P04009	1.0	2
10	Programmable integrated front-end for SiPM/PMT PET detectors with continuous scintillating crystal. <i>Journal of Instrumentation</i> , <b>2012</b> , 7, C12021-C12021	1	2
9	Impact of crystal quality, geometry and surface finish for 3D impact position measurements in gamma ray detection systems <b>2007</b> ,		2
8	Proton range verification with MACACO II Compton camera enhanced by a neural network for event selection. <i>Scientific Reports</i> , <b>2021</b> , 11, 9325	4.9	2
7	Study of sensitivity and resolution for full ring PET prototypes based on continuous crystals and analytical modeling of the light distribution. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 035015	3.8	2
6	Performance evaluation of MACACO II Compton camera. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2021</b> , 1014, 165702	1.2	2
5	Latest results from the TORCH R&D Project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2018</b> , 912, 53-56	1.2	1
4	Performance simulation of BaBar DIRC bar boxes in TORCH. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2017</b> , 876, 202-205	1.2	
3	Test-beam and laboratory characterisation of the TORCH prototype detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2017</b> , 845, 452-458	1.2	
2	TORCH: A Large-Area Detector for High Resolution Time-of-flight. <i>Springer Proceedings in Physics</i> , <b>2018</b> , 257-262	0.2	
1	Evaluation of LFS continuous scintillation crystals for PET. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 936, 39-40	1.2	