

Franca Cassol

List of Publications by Year in descending order

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32
papers

1,442
citations

759233

12
h-index

677142

22
g-index

32
all docs

32
docs citations

32
times ranked

1469
citing authors

#	ARTICLE	IF	CITATIONS
1	GATE V6: a major enhancement of the GATE simulation platform enabling modelling of CT and radiotherapy. <i>Physics in Medicine and Biology</i> , 2011, 56, 881-901.	3.0	640
2	The CHORUS experiment to search for $\hat{\nu}_2 \hat{\nu}_4 \hat{\nu}_2$, oscillation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997, 401, 7-44.	1.6	209
3	The ANTARES optical module. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 484, 369-383.	1.6	161
4	Background light in potential sites for the ANTARES undersea neutrino telescope. <i>Astroparticle Physics</i> , 2000, 13, 127-136.	4.3	65
5	New results from a search for $\hat{\nu}_2 \hat{\nu}_4 \hat{\nu}_2$, and $\hat{\nu}_2 \hat{\nu}_2 \hat{\nu}_2$, oscillation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 497, 8-22.	4.1	56
6	Final results on oscillation from the CHORUS experiment. <i>Nuclear Physics B</i> , 2008, 793, 326-343.	2.5	52
7	A search for $\hat{\nu}_2 \hat{\nu}_4 \hat{\nu}_2$, oscillation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 424, 202-212.	4.1	38
8	Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout. <i>Astroparticle Physics</i> , 2019, 111, 35-53.	4.3	35
9	Search for $\hat{\nu}_2 \hat{\nu}_4 \hat{\nu}_2$, oscillation using the $\hat{\nu}_2$ decay modes into a single charged particle. This paper is dedicated to the memory of Yasushi Ishii, a bright colleague and a good friend, whose loss has caused us great sorrow. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 434, 205-213.	4.1	34
10	Imaging performance of the hybrid pixel detectors XPAD3-S. <i>Physics in Medicine and Biology</i> , 2009, 54, 1773-1789.	3.0	30
11	First K-Edge Imaging With a Micro-CT Based on the XPAD3 Hybrid Pixel Detector. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 103-108.	2.0	19
12	Observation of neutrino induced diffractive production and subsequent decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 435, 458-464.	4.1	18
13	Observation of weak neutral current neutrino production of J/ψ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 503, 1-9.	4.1	11
14	Study of the charge sharing effect in the photon-counting pixel detector XPAD3-S. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 633, S111-S113.	1.6	11
15	PIXSCAN: Pixel detector CT-scanner for small animal imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 571, 425-428.	1.6	10
16	Tracking Dynamics of Spontaneous Tumors in Mice Using Photon-Counting Computed Tomography. <i>IScience</i> , 2019, 21, 68-83.	4.1	8
17	The ANTARES Project. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999, 75, 415-417.	0.4	6
18	Design and construction of the ClearPET/XPAD small animal PET/CT scanner. , 2009, , .		6

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19	Simulation of PIXSCAN, a photon counting micro-CT for small animal imaging. Journal of Instrumentation, 2009, 4, P05012-P05012.	1.2	5
20	Characterization of the imaging performance of a micro-CT system based on the photon counting XPAD3/Si hybrid pixel detectors. Biomedical Physics and Engineering Express, 2016, 2, 025003.	1.2	5
21	Design study for the ClearPET/XPAD small animal PET/CT scanner. , 2007, , .		4
22	K-edge imaging with the XPAD3 hybrid pixel detector, direct comparison of CdTe and Si sensors. Physics in Medicine and Biology, 2015, 60, 5497-5511.	3.0	4
23	Repeated Imaging of Lung Cancer Development Using PIXSCAN, a Low Dose Micro-CT Scanner Based on XPAD Hybrid Pixel Detectors. IEEE Transactions on Nuclear Science, 2010, 57, 242-245.	2.0	3
24	A large surface X-ray camera based on XPAD3/CdTe single chip hybrids. Journal of Instrumentation, 2015, 10, C11010-C11010.	1.2	3
25	Cherenkov Telescope Array potential in the search for Galactic PeVatrons. , 2019, , .		3
26	Comparison of the performance of the photon counting hybrid pixel camera XPAD3 versus the CCD camera DALSA XR-4 for cone-beam micro-CT. , 2012, , .		2
27	Performance of the INFN Camera calibration device of the first Large Size Telescope in the Cherenkov Telescope Array. , 2019, , .		2
28	Measured imaging performance of photon counting hybrid pixel X-ray detectors. , 2008, , .		1
29	The ClearPET/XPAD prototype: Development of a simultaneous PET/CT scanner for mice. , 2015, , .		1
30	Neutron imaging with the XPAD3-S hybrid pixel detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 634, 85-90.	1.6	0
31	Comparison of K-edge versus standard absorption imaging using the XPAD3 hybrid pixel detector. , 2011, , .		0
32	Development of K-edge spectral tomography using XPAD3 composite pixels. , 2014, , .		0