

# Felicia Carla Tiziana Barbato

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7540616/publications.pdf>

Version: 2024-02-01

35  
papers

3,685  
citations

759233

12  
h-index

642732

23  
g-index

37  
all docs

37  
docs citations

37  
times ranked

8363  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
2	Observation of a large-scale anisotropy in the arrival directions of cosmic rays above $8 \times 10^{18}$ eV. Science, 2017, 357, 1266-1270.	12.6	261
3	An Indication of Anisotropy in Arrival Directions of Ultra-high-energy Cosmic Rays through Comparison to the Flux Pattern of Extragalactic Gamma-Ray Sources <sup>*</sup> . Astrophysical Journal Letters, 2018, 853, L29.	8.3	165
4	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. Astrophysical Journal Letters, 2017, 850, L35.	8.3	135
5	Inferences on mass composition and tests of hadronic interactions from 0.3 to $100 \text{ EeV}$ using the water-Cherenkov detectors of the Pierre Auger Observatory. Physical Review D, 2017, 96, .	4.7	82
6	Deep sea tests of a prototype of the KM3NeT digital optical module. European Physical Journal C, 2014, 74, 1.	3.9	46
7	The prototype detection unit of the KM3NeT detector. European Physical Journal C, 2016, 76, 1.	3.9	32
8	Detection potential of the KM3NeT detector for high-energy neutrinos from the Fermi bubbles. Astroparticle Physics, 2013, 42, 7-14.	4.3	28
9	Measurement of the atmospheric muon depth intensity relation with the NEMO Phase-2 tower. Astroparticle Physics, 2015, 66, 1-7.	4.3	21
10	Search for Lorentz and $C$ - $P$ - $T$ violation using sidereal time dependence of neutrino flavor transitions over a short baseline. Physical Review D, 2017, 95, .	4.7	19
11	Expansion cone for the 3-inch PMTs of the KM3NeT optical modules. Journal of Instrumentation, 2013, 8, T03006-T03006.	1.2	15
12	A new generation photodetector for astroparticle physics: The VSiPMT. Astroparticle Physics, 2015, 67, 18-25.	4.3	12
13	Long term monitoring of the optical background in the Capo Passero deep-sea site with the NEMO tower prototype. European Physical Journal C, 2016, 76, 1.	3.9	11
14	Proof of feasibility of the Vacuum Silicon PhotoMultiplier Tube (VSiPMT). Journal of Instrumentation, 2013, 8, P04021-P04021.	1.2	8
15	The optical modules of the phase-2 of the NEMO project. Journal of Instrumentation, 2013, 8, P07001-P07001.	1.2	8
16	Status and first results of the NEMO Phase-2 tower. Journal of Instrumentation, 2014, 9, C03045-C03045.	1.2	7
17	Spectral calibration of the fluorescence telescopes of the Pierre Auger Observatory. Astroparticle Physics, 2017, 95, 44-56.	4.3	7
18	R&D of a pioneering system for a high resolution photodetector: The VSiPMT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 876, 48-49.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Another step towards photodetector innovation: The first 1-inch industrial VSiPMT. <i>Astroparticle Physics</i> , 2018, 101, 27-35.	4.3	4
20	Underwater acoustic positioning system for the SMO and KM3NeT - Italia projects. , 2014, , .		3
21	The trigger and data acquisition for the NEMO-Phase 2 tower. , 2014, , .		3
22	Development of a new 2-inch hybrid photo-detector using MPPC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 912, 290-293.	1.6	3
23	Vacuum silicon photomultipliers: Recent developments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 718, 582-583.	1.6	2
24	Long-term optical background measurements in the Capo Passero deep-sea site. , 2014, , .		1
25	VSiPMT: An hybrid approach to high resolution photodetectors. , 2016, , .		1
26	Recent development on the realization of a 1-inch VSiPMT prototype. <i>EPJ Web of Conferences</i> , 2017, 136, 02016.	0.3	1
27	A laser-based system for a fast and accurate measurement of gain and linearity of photomultipliers. <i>Journal of Instrumentation</i> , 2018, 13, T01007-T01007.	1.2	1
28	Vacuum silicon photo multiplier tube (VSiPMT): Towards a new generation of photon detectors. , 2014, , .		0
29	First results of performance tests of the newly designed Vacuum Silicon Photo Multiplier Tube (VSiPMT).. <i>Journal of Instrumentation</i> , 2014, 9, C04016-C04016.	1.2	0
30	VSiPMT a new photon detector. <i>EPJ Web of Conferences</i> , 2016, 116, 01004.	0.3	0
31	Measurement of the atmospheric muon flux at 3500 m depth with the NEMO Phase-2 detector. <i>EPJ Web of Conferences</i> , 2016, 121, 05015.	0.3	0
32	Hamamatsu C11204-01 calibration, test and design of a dedicated LabVIEW interface. <i>Journal of Instrumentation</i> , 2017, 12, T04003-T04003.	1.2	0
33	Study of semi-transparent conductive layers for the realization of high quantum efficiency transmission mode CsI photocathodes for vacuum photodetectors. <i>Journal of Instrumentation</i> , 2017, 12, T07005-T07005.	1.2	0
34	Crystal Eye: a wide sight on the Universe looking for the electromagnetic counterpart of gravitational waves. , 2019, , .		0
35	VSiPMT: a new solution in photon detection. , 2019, , .		0