

# Felicia Carla Tiziana Barbato

## List of Publications by Year in descending order

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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	Crystal Eye: a wide sight on the Universe looking for the electromagnetic counterpart of gravitational waves. , 2019, , .		0
2	VSiPMT: a new solution in photon detection. , 2019, , .		0
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	A laser-based system for a fast and accurate measurement of gain and linearity of photomultipliers. Journal of Instrumentation, 2018, 13, T01007-T01007.	1.2	1
5	Development of a new 2-inch hybrid photo-detector using MPPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 912, 290-293.	1.6	3
6	Another step towards photodetector innovation: The first 1-inch industrial VSIPMT. Astroparticle Physics, 2018, 101, 27-35.	4.3	4
7	Hamamatsu C11204-01 calibration, test and design of a dedicated LabVIEW interface. Journal of Instrumentation, 2017, 12, T04003-T04003.	1.2	0
8	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
9	Search for Lorentz and $C$ violation using sidereal time dependence of neutrino flavor transitions over a short baseline. Physical Review D, 2017, 95, .	4.7	19
10	Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
11	Spectral calibration of the fluorescence telescopes of the Pierre Auger Observatory. Astroparticle Physics, 2017, 95, 44-56.	4.3	7
12	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
13	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
14	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
15	Study of semi-transparent conductive layers for the realization of high quantum efficiency transmission mode CsI photocathodes for vacuum photodetectors. Journal of Instrumentation, 2017, 12, T07005-T07005.	1.2	0
16	Recent development on the realization of a 1-inch VSIPMT prototype. EPJ Web of Conferences, 2017, 136, 02016.	0.3	1
17	VSiPMT a new photon detector. EPJ Web of Conferences, 2016, 116, 01004.	0.3	0
18	Measurement of the atmospheric muon flux at 3500 m depth with the NEMO Phase-2 detector. EPJ Web of Conferences, 2016, 121, 05015.	0.3	0

#	ARTICLE	IF	CITATIONS
19	VSiPMT: An hybrid approach to high resolution photodetectors. , 2016, , .		1
20	The prototype detection unit of the KM3NeT detector. European Physical Journal C, 2016, 76, 1.	3.9	32
21	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
22	A new generation photodetector for astroparticle physics: The VSiPMT. Astroparticle Physics, 2015, 67, 18-25.	4.3	12
23	Measurement of the atmospheric muon depth intensity relation with the NEMO Phase-2 tower. Astroparticle Physics, 2015, 66, 1-7.	4.3	21
24	Deep sea tests of a prototype of the KM3NeT digital optical module. European Physical Journal C, 2014, 74, 1.	3.9	46
25	Underwater acoustic positioning system for the SMO and KM3NeT - Italia projects. , 2014, , .		3
26	Long-term optical background measurements in the Capo Passero deep-sea site. , 2014, , .		1
27	The trigger and data acquisition for the NEMO-Phase 2 tower. , 2014, , .		3
28	Vacuum silicon photo multiplier tube (VSiPMT): Towards a new generation of photon detectors. , 2014, , .		0
29	Status and first results of the NEMO Phase-2 tower. Journal of Instrumentation, 2014, 9, C03045-C03045.	1.2	7
30	First results of performance tests of the newly designed Vacuum Silicon Photo Multiplier Tube (VSiPMT).. Journal of Instrumentation, 2014, 9, C04016-C04016.	1.2	0
31	Vacuum silicon photomultipliers: Recent developments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 582-583.	1.6	2
32	Proof of feasibility of the Vacuum Silicon PhotoMultiplier Tube (VSiPMT). Journal of Instrumentation, 2013, 8, P04021-P04021.	1.2	8
33	Detection potential of the KM3NeT detector for high-energy neutrinos from the Fermi bubbles. Astroparticle Physics, 2013, 42, 7-14.	4.3	28
34	The optical modules of the phase-2 of the NEMO project. Journal of Instrumentation, 2013, 8, P07001-P07001.	1.2	8
35	Expansion cone for the 3-inch PMTs of the KM3NeT optical modules. Journal of Instrumentation, 2013, 8, T03006-T03006.	1.2	15