

# Francesca Capel

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

231  
citations

933447

10  
h-index

996975

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

214  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pre-flight qualification tests of the Mini-EUSO telescope engineering model. <i>Experimental Astronomy</i> , 2022, 53, 133-158.	3.7	8
2	A Review of the EUSO-Balloon Pathfinder for the JEM-EUSO Program. <i>Space Science Reviews</i> , 2022, 218, 3.	8.1	15
3	Mini-EUSO Mission to Study Earth UV Emissions on board the ISS. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 36.	7.7	32
4	popsynth: A generic astrophysical population synthesis framework. <i>Journal of Open Source Software</i> , 2021, 6, 3257.	4.6	3
5	Bayesian constraints on the astrophysical neutrino source population from IceCube data. <i>Physical Review D</i> , 2020, 101, .	4.7	15
6	Impact of using the ultrahigh-energy cosmic ray arrival energies to constrain source associations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2324-2340.	4.4	7
7	Ultra-violet imaging of the night-time earth by EUSO-Balloon towards space-based ultra-high energy cosmic ray observations. <i>Astroparticle Physics</i> , 2019, 111, 54-71.	4.3	18
8	Mini-EUSO data acquisition and control software. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1.	1.8	8
9	Mini-EUSO: A high resolution detector for the study of terrestrial and cosmic UV emission from the International Space Station. <i>Advances in Space Research</i> , 2018, 62, 2954-2965.	2.6	29
10	The integration and testing of the Mini-EUSO multi-level trigger system. <i>Advances in Space Research</i> , 2018, 62, 2966-2976.	2.6	17
11	EUSO-TA “First results from a ground-based EUSO telescope. <i>Astroparticle Physics</i> , 2018, 102, 98-111.	4.3	27
12	First observations of speed of light tracks by a fluorescence detector looking down on the atmosphere. <i>Journal of Instrumentation</i> , 2018, 13, P05023-P05023.	1.2	15
13	Cosmic ray oriented performance studies for the JEM-EUSO first level trigger. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 866, 150-163.	1.6	17
14	Meteor studies in the framework of the JEM-EUSO program. <i>Planetary and Space Science</i> , 2017, 143, 245-255.	1.7	17
15	Science of Mini-EUSO detector on board the International Space Station. , 2017, , .		1
16	Simulations of mini-EUSO observations of UV phenomena in the atmosphere. , 2017, , .		0
17	The Mini-EUSO multi-level trigger algorithm and its performance. , 2017, , .		0
18	Mini-EUSO flight software and operations on ISS. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Preliminary analysis of EUSOâ€™TA data. Journal of Physics: Conference Series, 2016, 718, 052011.	0.4	2