

# Michael Cherry

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8525686/publications.pdf>

Version: 2024-02-01

48  
papers

1,116  
citations

687363

13  
h-index

395702

33  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1010  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extending the Lorentz factor range and sensitivity of transition radiation with compound radiators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1027, 166362.	1.6	0
2	Direct Measurement of the Nickel Spectrum in Cosmic Rays in the Energy Range from $8.8 \times 10^7$ GeV to $240 \times 10^7$ GeV. CALET Search for Electromagnetic Counterparts of Gravitational Waves during the LIGO/Virgo O3 Run. Astrophysical Journal, 2022, 933, 85.	7.8	7
3	Measurement of the Iron Spectrum in Cosmic Rays from $10 \times 10^7$ GeV to $2.0 \times 10^8$ GeV. Physical Review Letters, 2021, 126, 241101.	7.8	20
4	Thunderstorms Producing Sferic Geolocated Gamma-Ray Flashes Detected by TETRA. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033765.	3.3	1
6	CALET Observations during the First 5 Years on the ISS. Physics of Atomic Nuclei, 2021, 84, 985-994.	0.4	0
7	CALET results after three years on the International Space Station. Journal of Physics: Conference Series, 2020, 1468, 012074.	0.4	2
8	Direct Measurement of the Cosmic-Ray Carbon and Oxygen Spectra from $10 \times 10^7$ GeV to $2.2 \times 10^8$ GeV. CALET on the International Space Station: the first three years of observations. Physica Scripta, 2020, 95, 074012.	7.8	31
9	Gamma Ray Flashes Produced by Lightning Observed at Ground Level by TETRA. Journal of Geophysical Research: Space Physics, 2019, 124, 9229-9238.	2.4	15
11	Simultaneous space-based observations of terrestrial gamma-ray flashes and lightning optical emissions: Investigation of the terrestrial gamma-ray flash production mechanisms. Physical Review D, 2019, 100, .	4.7	6
12	The CALorimetric Electron Telescope (CALET) on the International Space Station: Results from the First Two Years of Operation. EPJ Web of Conferences, 2019, 208, 13001.	0.3	0
13	Direct Measurement of the Cosmic-Ray Proton Spectrum from $50 \text{ GeV}$ to $10 \text{ TeV}$ with the Calorimetric Electron Telescope on the International Space Station. Physical Review Letters, 2019, 122, 181102.	7.8	108
14	The CALorimetric Electron Telescope (CALET) on the International Space Station: Results from the First Two Years On Orbit. Journal of Physics: Conference Series, 2019, 1181, 012003.	0.4	6
15	CALET Results after Three Years on Orbit on the International Space Station. Physics of Atomic Nuclei, 2019, 82, 766-772.	0.4	5
16	Development of Transition Radiation Detectors for hadron identification at TeV energy scale. Journal of Physics: Conference Series, 2019, 1390, 012126.	0.4	3
17	Characteristics and Performance of the CALorimetric Electron Telescope (CALET) Calorimeter for Gamma-Ray Observations. Astrophysical Journal, Supplement Series, 2018, 238, 5.	7.7	16
18	Extended Measurement of the Cosmic-Ray Electron and Positron Spectrum from $11 \text{ GeV}$ to $4.8 \text{ TeV}$ with the Calorimetric Electron Telescope on the International Space Station. Physical Review Letters, 2018, 120, 261102.	7.8	134

#	ARTICLE	IF	CITATIONS
19	Search for GeV Gamma-Ray Counterparts of Gravitational Wave Events by CALET. <i>Astrophysical Journal</i> , 2018, 863, 160.	4.5	10
20	Observations of V0332+53 during the 2015 outburst using Fermi/GBM, MAXI, Swift and INTEGRAL. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 4424-4430.	4.4	2
21	Energy Spectrum of Cosmic-Ray Electron and Positron from 10 <sup>Å</sup> GeV to 3 <sup>Å</sup> TeV Observed with the Calorimetric Electron Telescope on the International Space Station. <i>Physical Review Letters</i> , 2017, 119, 181101.	7.8	116
22	Test beam studies of possibilities to separate particles with gamma factors above 10 <sup>3</sup> with straw based Transition Radiation Detector. <i>Journal of Physics: Conference Series</i> , 2017, 934, 012053.	0.4	4
23	Measuring the Lorentz factors of energetic particles with transition radiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 706, 39-42.	1.6	5
24	TETRA observation of gamma-rays at ground level associated with nearby thunderstorms. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7841-7849.	2.4	21
25	Next steps in measurements of cosmic ray electrons. , 2013, , .		0
26	TETRA observation of gamma-rays at ground level associated with nearby thunderstorms. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7841-7849.	2.4	1
27	Characteristic count rate profiles for a rotating modulator gamma-ray imager. <i>Astrophysics and Space Science</i> , 2011, 334, 61-69.	1.4	0
28	Design concept for a high altitude rotating modulator gamma-ray imager. , 2010, , .		0
29	Long duration balloon flight exposure of a Ce:LaBr <sub>3</sub> crystal. , 2008, , .		2
30	An Electronically-collimated Gamma-ray Detector for Localization of Radiation Sources. , 2006, , .		4
31	Simulation studies of delta-ray backgrounds in a Compton-Scatter Transition Radiation Detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 563, 303-305.	1.6	1
32	A High Sensitivity Gamma Ray Imager (HiSGRI) Based on Wavelength-Shifting Fiber Readout of LaBr <sub>3</sub> Scintillators. , 2006, , .		1
33	The CASTER Black Hole Finder Probe. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	2
34	LANTHANUM HALIDE SCINTILLATORS AND OPTICAL FIBER READOUT FOR X-RAY/GAMMA-RAY ASTRONOMY AND NATIONAL SECURITY APPLICATIONS. , 2006, , .		2
35	COMPTON SCATTER TRANSITION RADIATION DETECTORS FOR ACCESS. , 2004, , .		0
36	Compton scattered transition radiation from very high energy particles. <i>Astroparticle Physics</i> , 2003, 18, 629-635.	4.3	7

#	ARTICLE	IF	CITATIONS
37	Minute-of-Arc Resolution Gamma ray Imaging Experimentâ€™MARGIE. AIP Conference Proceedings, 2000, , .	0.4	1
38	Optimizing the TRD design for ACCESS. , 1999, , .		1
39	Cosmicâ€™Ray Proton and Helium Spectra: Results from the JACEE Experiment. Astrophysical Journal, 1998, 502, 278-283.	4.5	288
40	Composition and energy spectra of cosmic raysâ€™Implications for cosmic ray origins. , 1997, , .		0
41	Transverse momenta of helium fragments in gold fragmentation at 10.6 GeV/nucleon. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1997, 73, 449-454.	1.5	3
42	Fragmentation and multifragmentation of 10.6 A GeV gold nuclei. Physical Review C, 1995, 52, 2652-2662.	2.9	34
43	Evidence for a nuclear phase transition in target nuclei after relativistic nuclear interactions. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1993, 59, 399-403.	1.5	8
44	A case of vanishing neutrinos. Nature, 1990, 347, 708-709.	27.8	8
45	Measurements of the spectrum and energy dependence of x-ray transition radiation. Physical Review D, 1978, 17, 2245-2260.	4.7	65
46	Measurements of the Frequency Spectrum of Transition Radiation. Physical Review Letters, 1977, 38, 5-8.	7.8	26
47	Transition radiation from relativistic electrons in periodic radiators. Physical Review D, 1974, 10, 3594-3607.	4.7	143
48	Gravitational Wave Physics and Astronomy in the nascent era. Progress of Theoretical and Experimental Physics, 0, , .	6.6	3