Michael Cherry

List of Publications by Year
in descending order

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48	1,116	687363 13	395702 33
papers	citations	h-index	g-index

49	49	49	1010
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cosmicâ€Ray Proton and Helium Spectra: Results from the JACEE Experiment. Astrophysical Journal, 1998, 502, 278-283.	4.5	288
2	Transition radiation from relativistic electrons in periodic radiators. Physical Review D, 1974, 10, 3594-3607.	4.7	143
3	Extended Measurement of the Cosmic-Ray Electron and Positron Spectrum from 11ÂGeV to 4.8ÂTeV with the Calorimetric Electron Telescope on the International Space Station. Physical Review Letters, 2018, 120, 261102.	7.8	134
4	Energy Spectrum of Cosmic-Ray Electron and Positron from 10ÂGeV to 3ÂTeV Observed with the Calorimetric Electron Telescope on the International Space Station. Physical Review Letters, 2017, 119, 181101.	7.8	116
5	Direct Measurement of the Cosmic-Ray Proton Spectrum from 50ÂGeV to 10ÂTeV with the Calorimetric Electron Telescope on the International Space Station. Physical Review Letters, 2019, 122, 181102.	7.8	108
6	Measurements of the spectrum and energy dependence of x-ray transition radiation. Physical Review D, 1978, 17, 2245-2260.	4.7	65
7	Fragmentation and multifragmentation of10.6AGeV gold nuclei. Physical Review C, 1995, 52, 2652-2662.	2.9	34
8	Direct Measurement of the Cosmic-Ray Carbon and Oxygen Spectra from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>10</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>GeV<mathvariant="italic"><mml:mi>n</mml:mi></mml:mstyle></mml:mrow></mml:math> to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2.2</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>Te.	7.8	31
9	Measurements of the Frequency Spectrum of Transition Radiation. Physical Review Letters, 1977, 38, 5-8.	7.8	26
10	TETRA observation of gammaâ€rays at ground level associated with nearby thunderstorms. Journal of Geophysical Research: Space Physics, 2013, 118, 7841-7849.	2.4	21
11	Measurement of the Iron Spectrum in Cosmic Rays from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>10</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>Ge to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2.0</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>Te Physical Review Letters, 2021, 126, 241101.	7.8	20
12	Characteristics and Performance of the CALorimetric Electron Telescope (CALET) Calorimeter for Gamma-Ray Observations. Astrophysical Journal, Supplement Series, 2018, 238, 5.	7.7	16
13	Gamma Ray Flashes Produced by Lightning Observed at Ground Level by TETRAâ€II. Journal of Geophysical Research: Space Physics, 2019, 124, 9229-9238.	2.4	15
14	Search for GeV Gamma-Ray Counterparts of Gravitational Wave Events by CALET. Astrophysical Journal, 2018, 863, 160.	4.5	10
15	A case of vanishing neutrinos. Nature, 1990, 347, 708-709.	27.8	8
16	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
17	Compton scattered transition radiation from very high energy particles. Astroparticle Physics, 2003, 18, 629-635.	4.3	7
18	Direct Measurement of the Nickel Spectrum in Cosmic Rays in the Energy Range from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>8.8</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>GeV<mathvariant="italic">n</mml:mi></mml:mrow></mml:math> to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>240</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>GeV	7.8	7

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19	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
20	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
21	Measuring the Lorentz factors of energetic particles with transition radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 706, 39-42.	1.6	5
22	CALET Results after Three Years on Orbit on the International Space Station. Physics of Atomic Nuclei, 2019, 82, 766-772.	0.4	5
23	An Electronically-collimated Gamma-ray Detector for Localization of Radiation Sources. , 2006, , .		4
24	Test beam studies of possibilities to separate particles with gamma factors above 103with straw based Transition Radiation Detector. Journal of Physics: Conference Series, 2017, 934, 012053.	0.4	4
25	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
26	Development of Transition Radiation Detectors for hadron identification at TeV energy scale. Journal of Physics: Conference Series, 2019, 1390, 012126.	0.4	3
27	Gravitational Wave Physics and Astronomy in the nascent era. Progress of Theoretical and Experimental Physics, 0, , .	6.6	3
28	CALET Search for Electromagnetic Counterparts of Gravitational Waves during the LIGO/Virgo O3 Run. Astrophysical Journal, 2022, 933, 85.	4.5	3
29	The CASTER Black Hole Finder Probe. AIP Conference Proceedings, 2006, , .	0.4	2
30	Long duration balloon flight exposure of a Ce:LaBr<inf>3</inf> crystal. , 2008, , .		2
31	Observations of V0332+53 during the 2015 outburst using Fermi/GBM, MAXI, Swift and INTEGRAL. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4424-4430.	4.4	2
32	CALET results after three years on the International Space Station. Journal of Physics: Conference Series, 2020, 1468, 012074.	0.4	2
33	LANTHANUM HALIDE SCINTILLATORS AND OPTICAL FIBER READOUT FOR X-RAY/GAMMA-RAY ASTRONOMY AND NATIONAL SECURITY APPLICATIONS. , 2006, , .		2
34	Optimizing the TRD design for ACCESS. , 1999, , .		1
35	Minute-of-Arc Resolution Gamma ray Imaging Experimentâ€"MARGIE. AIP Conference Proceedings, 2000, , .	0.4	1
36	Simulation studies of delta-ray backgrounds in a Compton-Scatter Transition Radiation Detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 563, 303-305.	1.6	1

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37	A High Sensitivity Gamma Ray Imager (HiSGRI) Based on Wavelength-Shifting Fiber Readout of LaBr3 Scintillators. , 2006, , .		1
38	Thunderstorms Producing Sfericâ€Geolocated Gammaâ€Ray Flashes Detected by TETRAâ€‖. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033765.	3.3	1
39	CALET on the International Space Station: the first three years of observations. Physica Scripta, 2020, 95, 074012.	2.5	1
40	TETRA observation of gamma-rays at ground level associated with nearby thunderstorms. Journal of Geophysical Research: Space Physics, 2013, 118, 7841-7849.	2.4	1
41	Composition and energy spectra of cosmic raysâ€”Implications for cosmic ray origins. , 1997, , .		0
42	COMPTON SCATTER TRANSITION RADIATION DETECTORS FOR ACCESS. , 2004, , .		0
43	Design concept for a high altitude rotating modulator gamma-ray imager. , 2010, , .		0
44	Characteristic count rate profiles for a rotating modulator gamma-ray imager. Astrophysics and Space Science, 2011, 334, 61-69.	1.4	0
45	Next steps in measurements of cosmic ray electrons. , 2013, , .		0
46	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
47	CALET Observations during the First 5 Years on the ISS. Physics of Atomic Nuclei, 2021, 84, 985-994.	0.4	0
48	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