

# Brenda Dingus

## List of Publications by Year in descending order

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119  
papers

12,467  
citations

38742

50  
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23533

111  
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122  
all docs

122  
docs citations

122  
times ranked

4530  
citing authors

#	ARTICLE	IF	CITATIONS
1	HAWC Study of the Ultra-high-energy Spectrum of MGRO J1908+06. <i>Astrophysical Journal</i> , 2022, 928, 116.	4.5	6
2	A Survey of Active Galaxies at TeV Photon Energies with the HAWC Gamma-Ray Observatory. <i>Astrophysical Journal</i> , 2021, 907, 67.	4.5	13
3	Evidence of 200 TeV Photons from HAWC J1825-134. <i>Astrophysical Journal Letters</i> , 2021, 907, L30.	8.3	34
4	HAWC observations of the acceleration of very-high-energy cosmic rays in the Cygnus Cocoon. <i>Nature Astronomy</i> , 2021, 5, 465-471.	10.1	62
5	Spectrum and Morphology of the Very-high-energy Source HAWC J2019+368. <i>Astrophysical Journal</i> , 2021, 911, 143.	4.5	14
6	Probing the Sea of Cosmic Rays by Measuring Gamma-Ray Emission from Passive Giant Molecular Clouds with HAWC. <i>Astrophysical Journal</i> , 2021, 914, 106.	4.5	9
7	HAWC as a Ground-Based Space-Weather Observatory. <i>Solar Physics</i> , 2021, 296, 1.	2.5	2
8	TeV Emission of Galactic Plane Sources with HAWC and H.E.S.S.. <i>Astrophysical Journal</i> , 2021, 917, 6.	4.5	15
9	Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. <i>Astrophysical Journal</i> , 2021, 906, 63.	4.5	9
10	HAWC J2227+610 and Its Association with G106.3+2.7, a New Potential Galactic PeVatron. <i>Astrophysical Journal Letters</i> , 2020, 896, L29.	8.3	48
11	Constraints on Lorentz Invariance Violation from HAWC Observations of Gamma Rays above 100 TeV. <i>Physical Review Letters</i> , 2020, 124, 131101.	7.8	40
12	Multiple Galactic Sources with Emission Above 56 TeV Detected by HAWC. <i>Physical Review Letters</i> , 2020, 124, 021102.	7.8	143
13	3HWC: The Third HAWC Catalog of Very-high-energy Gamma-Ray Sources. <i>Astrophysical Journal</i> , 2020, 905, 76.	4.5	99
14	HAWC and Fermi-LAT Detection of Extended Emission from the Unidentified Source 2HWC J2006+341. <i>Astrophysical Journal Letters</i> , 2020, 903, L14.	8.3	5
15	Multiwavelength Investigation of Pulsar Wind Nebula DA 495 with HAWC, VERITAS, and NuSTAR. <i>Astrophysical Journal</i> , 2019, 878, 126.	4.5	10
16	Measurement of the Crab Nebula Spectrum Past 100 TeV with HAWC. <i>Astrophysical Journal</i> , 2019, 881, 134.	4.5	98
17	MAGIC and Fermi-LAT gamma-ray results on unassociated HAWC sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 356-366.	4.4	7
18	Observation of Anisotropy of TeV Cosmic Rays with Two Years of HAWC. <i>Astrophysical Journal</i> , 2018, 865, 57.	4.5	25

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19	Very-high-energy particle acceleration powered by the jets of the microquasar SS 433. <i>Nature</i> , 2018, 562, 82-85.	27.8	75
20	Daily Monitoring of TeV Gamma-Ray Emission from Mrk 421, Mrk 501, and the Crab Nebula with HAWC. <i>Astrophysical Journal</i> , 2017, 841, 100.	4.5	39
21	Extended gamma-ray sources around pulsars constrain the origin of the positron flux at Earth. <i>Science</i> , 2017, 358, 911-914.	12.6	303
22	The 2HWC HAWC Observatory Gamma-Ray Catalog. <i>Astrophysical Journal</i> , 2017, 843, 40.	4.5	200
23	Observation of the Crab Nebula with the HAWC Gamma-Ray Observatory. <i>Astrophysical Journal</i> , 2017, 843, 39.	4.5	159
24	SEARCH FOR TeV GAMMA-RAY EMISSION FROM POINT-LIKE SOURCES IN THE INNER GALACTIC PLANE WITH A PARTIAL CONFIGURATION OF THE HAWC OBSERVATORY. <i>Astrophysical Journal</i> , 2016, 817, 3.	4.5	33
25	SEARCH FOR GAMMA-RAYS FROM THE UNUSUALLY BRIGHT GRB 130427A WITH THE HAWC GAMMA-RAY OBSERVATORY. <i>Astrophysical Journal</i> , 2015, 800, 78.	4.5	30
26	OBSERVATION OF SMALL-SCALE ANISOTROPY IN THE ARRIVAL DIRECTION DISTRIBUTION OF TeV COSMIC RAYS WITH HAWC. <i>Astrophysical Journal</i> , 2014, 796, 108.	4.5	71
27	THE STUDY OF TeV VARIABILITY AND THE DUTY CYCLE OF Mrk 421 FROM 3 Yr OF OBSERVATIONS WITH THE MILAGRO OBSERVATORY. <i>Astrophysical Journal</i> , 2014, 782, 110.	4.5	19
28	Spectral Evolution of Two High-Energy Gamma-Ray Bursts. <i>Geophysical Monograph Series</i> , 2013, , 275-278.	0.1	0
29	THE FIRST <i>FERMI</i> -LAT GAMMA-RAY BURST CATALOG. <i>Astrophysical Journal</i> , Supplement Series, 2013, 209, 11.	7.7	232
30	The anisotropy of multi-TeV cosmic rays. , 2013, , .		0
31	OBSERVATION AND SPECTRAL MEASUREMENTS OF THE CRAB NEBULA WITH MILAGRO. <i>Astrophysical Journal</i> , 2012, 750, 63.	4.5	30
32	CONSTRAINTS ON THE EMISSION MODEL OF THE "NAKED-EYE BURST" GRB 080319B. <i>Astrophysical Journal Letters</i> , 2012, 753, L31.	8.3	11
33	SPECTRUM AND MORPHOLOGY OF THE TWO BRIGHTEST MILAGRO SOURCES IN THE CYGNUS REGION: MGRO J2019+37 AND MGRO J2031+41. <i>Astrophysical Journal</i> , 2012, 753, 159.	4.5	51
34	DETECTION OF A SPECTRAL BREAK IN THE EXTRA HARD COMPONENT OF GRB 090926A. <i>Astrophysical Journal</i> , 2011, 729, 114.	4.5	179
35	<i>SWIFT</i> AND <i>FERMI</i> OBSERVATIONS OF THE EARLY AFTERGLOW OF THE SHORT GAMMA-RAY BURST 090510. <i>Astrophysical Journal Letters</i> , 2010, 709, L146-L151.	8.3	130
36	PSR J1907+0602: A RADIO-FAINT GAMMA-RAY PULSAR POWERING A BRIGHT TeV PULSAR WIND NEBULA. <i>Astrophysical Journal</i> , 2010, 711, 64-74.	4.5	72

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37	<i>FERMI</i> LARGE AREA TELESCOPE CONSTRAINTS ON THE GAMMA-RAY OPACITY OF THE UNIVERSE. <i>Astrophysical Journal</i> , 2010, 723, 1082-1096.	4.5	106
38	<i>FERMI</i> OBSERVATIONS OF GRB 090510: A SHORT-HARD GAMMA-RAY BURST WITH AN ADDITIONAL, HARD POWER-LAW COMPONENT FROM 10 keV TO GeV ENERGIES. <i>Astrophysical Journal</i> , 2010, 716, 1178-1190.	4.5	306
39	BROADBAND, TIME-DEPENDENT, SPECTROSCOPY OF THE BRIGHTEST BURSTS OBSERVED BY BATSE LAD AND EGRET TASC. <i>Astrophysical Journal</i> , 2009, 696, 2155-2169.	4.5	11
40	GRB980923; a Burst with the MeV-spectral Component of GRB941017. , 2009, , .		1
41	Fermi Observations of High-Energy Gamma-Ray Emission from GRB 080916C. <i>Science</i> , 2009, 323, 1688-1693.	12.6	523
42	A limit on the variation of the speed of light arising from quantum gravity effects. <i>Nature</i> , 2009, 462, 331-334.	27.8	454
43	THE LARGE-SCALE COSMIC-RAY ANISOTROPY AS OBSERVED WITH MILAGRO. <i>Astrophysical Journal</i> , 2009, 698, 2121-2130.	4.5	152
44	PROSPECTS FOR GRB SCIENCE WITH THE <i>FERMI</i> LARGE AREA TELESCOPE. <i>Astrophysical Journal</i> , 2009, 701, 1673-1694.	4.5	44
45	<i>FERMI</i> OBSERVATIONS OF GRB 090902B: A DISTINCT SPECTRAL COMPONENT IN THE PROMPT AND DELAYED EMISSION. <i>Astrophysical Journal</i> , 2009, 706, L138-L144.	4.5	364
46	MILAGRO OBSERVATIONS OF MULTI-TeV EMISSION FROM GALACTIC SOURCES IN THE <i>FERMI</i> BRIGHT SOURCE LIST. <i>Astrophysical Journal</i> , 2009, 700, L127-L131.	4.5	186
47	A Measurement of the Spatial Distribution of Diffuse TeV Gamma-Ray Emission from the Galactic Plane with Milagro. <i>Astrophysical Journal</i> , 2008, 688, 1078-1083.	4.5	130
48	Contribution of GRB Emission to the GeV Extragalactic Diffuse Gamma-Ray Flux. AIP Conference Proceedings, 2008, , .	0.4	2
49	Discovery of Localized Regions of Excess 10-TeV Cosmic Rays. <i>Physical Review Letters</i> , 2008, 101, 221101.	7.8	152
50	A High Altitude Mexican ACT Project, OMEGA. , 2008, , .		1
51	Broadband Spectral Properties of Bright High-Energy Gamma-Ray Bursts Observed with BATSE and EGRET. <i>Astrophysical Journal</i> , 2008, 677, 1168-1183.	4.5	47
52	TeV Gamma-Ray Sources from a Survey of the Galactic Plane with Milagro. <i>Astrophysical Journal</i> , 2007, 664, L91-L94.	4.5	224
53	HAWC (High Altitude Water Cherenkov) Observatory for Surveying the TeV Sky. AIP Conference Proceedings, 2007, , .	0.4	3
54	Discovery of TeV Gamma-Ray Emission from the Cygnus Region of the Galaxy. <i>Astrophysical Journal</i> , 2007, 658, L33-L36.	4.5	161

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55	Milagro Constraints on Very High Energy Emission from Short-Duration Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2007, 666, 361-367.	4.5	34
56	Contribution of GRB Emission to the GeV Extragalactic Diffuse Gamma-Ray Flux. <i>Astrophysical Journal</i> , 2007, 656, 306-312.	4.5	22
57	Constraints on TeV Emission from GRBs from the GeV Extragalactic Diffuse Gamma-Ray Flux. AIP Conference Proceedings, 2006, , .	0.4	0
58	Spectroscopy of the Brightest Bursts up to Energies of 200MeV. AIP Conference Proceedings, 2006, , .	0.4	0
59	Constraints on Very High Energy Gamma-Ray Emission from Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2005, 630, 996-1002.	4.5	31
60	Evidence for TeV Gamma-Ray Emission from a Region of the Galactic Plane. <i>Physical Review Letters</i> , 2005, 95, 251103.	7.8	71
61	Discovery of a Distinct Higher Energy Spectral Component in GRB941017. AIP Conference Proceedings, 2004, , .	0.4	3
62	Spectral Time Evolution for GRBs Observed by BATSE and EGRET-TASC. AIP Conference Proceedings, 2004, , .	0.4	1
63	Search for very high energy gamma rays from WIMP annihilations near the Sun with the Milagro detector. <i>Physical Review D</i> , 2004, 70, .	4.7	8
64	Limits on supersymmetric dark matter from EGRET observations of the Galactic center region. <i>Physical Review D</i> , 2004, 70, .	4.7	48
65	COMPTEL Observation of GRB941017 with Distinct High-Energy Component. AIP Conference Proceedings, 2004, , .	0.4	1
66	Limits on Very High Energy Emission from Gamma-Ray Bursts with the Milagro Observatory. <i>Astrophysical Journal</i> , 2004, 604, L25-L28.	4.5	17
67	TeV Gamma-Ray Survey of the Northern Hemisphere Sky Using the Milagro Observatory. <i>Astrophysical Journal</i> , 2004, 608, 680-685.	4.5	72
68	A $\hat{\gamma}$ -ray burst with a high-energy spectral component inconsistent with the synchrotron shock model. <i>Nature</i> , 2003, 424, 749-751.	27.8	178
69	Observation of TeV Gamma Rays from the Crab Nebula with Milagro Using a New Background Rejection Technique. <i>Astrophysical Journal</i> , 2003, 595, 803-811.	4.5	133
70	Observation of GeV Solar Energetic Particles from the 1997 November 6 Event Using Milagrito. <i>Astrophysical Journal</i> , 2003, 588, 557-565.	4.5	12
71	The High-Energy Gamma-Ray Fluence and Energy Spectrum of GRB 970417a from Observations with Milagrito. <i>Astrophysical Journal</i> , 2003, 583, 824-832.	4.5	41
72	Observations of the Highest Energy Gamma Rays from Gamma-Ray Bursts. AIP Conference Proceedings, 2003, , .	0.4	8

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73	Observations of the highest energy gamma-rays from gamma-ray bursts. AIP Conference Proceedings, 2001, , .	0.4	13
74	The highest energy emission detected by EGRET from blazars. AIP Conference Proceedings, 2001, , .	0.4	9
75	A Survey of the Northern Sky for TeV Point Sources. Astrophysical Journal, 2001, 558, 477-481.	4.5	9
76	The future of GeV-TeV $\gamma$ -ray astrophysics: Highlights of "Towards a Major atmospheric Cherenkov Telescope Workshop". AIP Conference Proceedings, 2000, , .	0.4	20
77	Evidence for TeV Emission from GRB 970417. Astrophysical Journal, 2000, 533, L119-L122.	4.5	109
78	The Third EGRET Catalog of High-Energy Gamma-Ray Sources. Astrophysical Journal, Supplement Series, 1999, 123, 79-202.	7.7	1,454
79	In-flight Calibration of EGRET on the Compton Gamma-Ray Observatory. Astrophysical Journal, Supplement Series, 1999, 123, 203-217.	7.7	70
80	EGRET Observations of the Extragalactic Gamma-Ray Emission. Astrophysical Journal, 1998, 494, 523-534.	4.5	631
81	Gamma-Ray Burst Spectral Shapes from 2 keV to 500 MeV. Astrophysical Journal, 1998, 492, 696-702.	4.5	45
82	EGRET observations of bursts at MeV energies. , 1998, , .		9
83	Simulated observations of gamma-ray bursts with GLAST. , 1998, , .		3
84	EGRET Observations of the Diffuse Gamma-Ray Emission from the Galactic Plane. Astrophysical Journal, 1997, 481, 205-240.	4.5	629
85	A review of gamma ray bursts. , 1997, , .		0
86	EGRET observations of PKS 0528+134 from 1991 to 1997. , 1997, , .		0
87	Detection of Gamma Rays with $E > 100$ MeV from BL Lacertae. Astrophysical Journal, 1997, 480, 562-567.	4.5	29
88	EGRET Observations of the Gamma-Ray Source 2CG 135+01. Astrophysical Journal, 1997, 486, 126-131.	4.5	91
89	EGRET Observations of High-Energy Gamma-Ray Emission from Blazars: An Update. Astrophysical Journal, 1997, 490, 116-135.	4.5	217
90	Burst spectra over a wide energy range. AIP Conference Proceedings, 1996, , .	0.4	1

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91	EGRET Observations of Gamma Rays from Point Sources with Galactic Latitude $+10$ degrees $< B < +40$ degrees. <i>Astrophysical Journal</i> , 1996, 459, 100.	4.5	35
92	The Likelihood Analysis of EGRET Data. <i>Astrophysical Journal</i> , 1996, 461, 396.	4.5	936
93	EGRET Observations of the Region to the South of $B = -30$ degrees in Phase 1 and Phase 2 of the Compton Gamma Ray Observatory Viewing Program. <i>Astrophysical Journal, Supplement Series</i> , 1996, 105, 331.	7.7	19
94	Supplement to the Second EGRET Catalog of High-Energy Gamma-Ray Sources. <i>Astrophysical Journal, Supplement Series</i> , 1996, 107, 227.	7.7	100
95	High-Energy Gamma Rays from PKS 1406 $\hat{a}$ '076 and the Observation of Correlated Gamma-Ray and Optical Emission. <i>Astrophysical Journal</i> , 1995, 454, .	4.5	37
96	EGRET observations of $> 30$ MeV emission from the brightest bursts detected by BATSE. <i>Astrophysics and Space Science</i> , 1995, 231, 187-190.	1.4	62
97	High-Energy Gamma-Ray Emission from Active Galaxies: EGRET Observations and Their Implications. <i>Astrophysical Journal</i> , 1995, 440, 525.	4.5	315
98	EGRET gamma-ray sources: GRO J0744+54 and GRO J0957+65 (= BL Lacertae object 0954+658). <i>Astrophysical Journal</i> , 1995, 445, 189.	4.5	15
99	EGRET Measurements of Energetic Gamma Rays from the Gamma-Ray Bursts of 1992 June 22 and 1994 March 1. <i>Astrophysical Journal</i> , 1995, 453, 95.	4.5	29
100	On the nature of the unidentified EGRET sources: Are they Geminga-like pulsars?. <i>Astrophysical Journal</i> , 1995, 441, L61.	4.5	31
101	The Second EGRET Catalog of High-Energy Gamma-Ray Sources. <i>Astrophysical Journal, Supplement Series</i> , 1995, 101, 259.	7.7	333
102	EGRET Detection of Pulsed Gamma Radiation from PSR B1951+32. <i>Astrophysical Journal</i> , 1995, 447, .	4.5	57
103	Comparison of BATSE, COMPTEL, EGRET, and OSSE spectra of GRB 910601. <i>AIP Conference Proceedings</i> , 1994, , .	0.4	3
104	Cross calibration of burst spectra with BATSE, EGRET, and COMPTEL for GRB910503. <i>AIP Conference Proceedings</i> , 1994, , .	0.4	3
105	Detection of a $\hat{I}^3$ -ray burst of very long duration and very high energy. <i>Nature</i> , 1994, 372, 652-654.	27.8	412
106	EGRET observations of three gamma-ray bursts at energies $\hat{a}\%30$ MeV. <i>AIP Conference Proceedings</i> , 1994, , .	0.4	8
107	EGRET high-energy gamma-ray pulsar studies. 1: Young spin-powered pulsars. <i>Astrophysical Journal</i> , 1994, 436, 229.	4.5	69
108	High-energy gamma rays from the intense 1993 January 31 gamma-ray burst. <i>Astrophysical Journal</i> , 1994, 422, L63.	4.5	109

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109	The first energetic gamma-ray experiment telescope (EGRET) source catalog. <i>Astrophysical Journal, Supplement Series</i> , 1994, 94, 551.	7.7	211
110	Constraints on the cosmic rays in the Small Magellanic Cloud. <i>Physical Review Letters</i> , 1993, 70, 127-129.	7.8	69
111	EGRET observations of gamma-ray bursts on June 1, 1991 and August 14, 1991. , 1993, , .		3
112	The EGRET detection of quasar 1633 + 382. <i>Astrophysical Journal</i> , 1993, 410, 609.	4.5	120
113	EGRET observations of active galactic nuclei - 0836 + 710, 0454 - 234, 0804 + 499, 0906 + 430, 1510-089, and 2356 + 196. <i>Astrophysical Journal</i> , 1993, 415, L13.	4.5	46
114	Observations of the Large Magellanic Cloud in high-energy gamma rays. <i>Astrophysical Journal</i> , 1992, 400, L67.	4.5	82
115	Observation of shadowing of ultrahigh-energy cosmic rays by the Moon and the Sun. <i>Physical Review D</i> , 1991, 43, 1735-1738.	4.7	39
116	Study of Cygnus X-3 at ultrahigh energies during the 1989 radio outbursts. <i>Physical Review Letters</i> , 1990, 64, 2973-2975.	7.8	4
117	Limit on possible energy-dependent velocities for massless particles. <i>Physical Review D</i> , 1990, 41, 692-694.	4.7	4
118	Ultrahigh-Energy Pulsed Emission from Hercules X-1 with Anomalous Air-Shower Muon Production. <i>Physical Review Letters</i> , 1988, 61, 1906-1909.	7.8	89
119	Search for signals from Cygnus X-3 at energies above 50 TeV. <i>Physical Review Letters</i> , 1988, 60, 1785-1788.	7.8	50