

Brenda Dingus

List of Publications by Year in descending order

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119
papers

12,467
citations

38742

50
h-index

23533

111
g-index

122
all docs

122
docs citations

122
times ranked

4530
citing authors

#	ARTICLE	IF	CITATIONS
1	The Third EGRET Catalog of High-Energy Gamma-Ray Sources. <i>Astrophysical Journal, Supplement Series</i> , 1999, 123, 79-202.	7.7	1,454
2	The Likelihood Analysis of EGRET Data. <i>Astrophysical Journal</i> , 1996, 461, 396.	4.5	936
3	EGRET Observations of the Extragalactic Gamma-Ray Emission. <i>Astrophysical Journal</i> , 1998, 494, 523-534.	4.5	631
4	EGRET Observations of the Diffuse Gamma-Ray Emission from the Galactic Plane. <i>Astrophysical Journal</i> , 1997, 481, 205-240.	4.5	629
5	Fermi Observations of High-Energy Gamma-Ray Emission from GRB 080916C. <i>Science</i> , 2009, 323, 1688-1693.	12.6	523
6	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
7	Detection of a γ -ray burst of very long duration and very high energy. <i>Nature</i> , 1994, 372, 652-654.	27.8	412
8	<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
9	The Second EGRET Catalog of High-Energy Gamma-Ray Sources. <i>Astrophysical Journal, Supplement Series</i> , 1995, 101, 259.	7.7	333
10	High-Energy Gamma-Ray Emission from Active Galaxies: EGRET Observations and Their Implications. <i>Astrophysical Journal</i> , 1995, 440, 525.	4.5	315
11	<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
12	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
13	THE FIRST <i>FERMI</i> -LAT GAMMA-RAY BURST CATALOG. <i>Astrophysical Journal, Supplement Series</i> , 2013, 209, 11.	7.7	232
14	TeV Gamma-Ray Sources from a Survey of the Galactic Plane with Milagro. <i>Astrophysical Journal</i> , 2007, 664, L91-L94.	4.5	224
15	EGRET Observations of High-Energy Gamma-Ray Emission from Blazars: An Update. <i>Astrophysical Journal</i> , 1997, 490, 116-135.	4.5	217
16	The first energetic gamma-ray experiment telescope (EGRET) source catalog. <i>Astrophysical Journal, Supplement Series</i> , 1994, 94, 551.	7.7	211
17	The 2HWC HAWC Observatory Gamma-Ray Catalog. <i>Astrophysical Journal</i> , 2017, 843, 40.	4.5	200
18	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

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19	DETECTION OF A SPECTRAL BREAK IN THE EXTRA HARD COMPONENT OF GRB 090926A. <i>Astrophysical Journal</i> , 2011, 729, 114.	4.5	179
20	A Γ -ray burst with a high-energy spectral component inconsistent with the synchrotron shock model. <i>Nature</i> , 2003, 424, 749-751.	27.8	178
21	Discovery of TeV Gamma-Ray Emission from the Cygnus Region of the Galaxy. <i>Astrophysical Journal</i> , 2007, 658, L33-L36.	4.5	161
22	Observation of the Crab Nebula with the HAWC Gamma-Ray Observatory. <i>Astrophysical Journal</i> , 2017, 843, 39.	4.5	159
23	Discovery of Localized Regions of Excess 10-TeV Cosmic Rays. <i>Physical Review Letters</i> , 2008, 101, 221101.	7.8	152
24	THE LARGE-SCALE COSMIC-RAY ANISOTROPY AS OBSERVED WITH MILAGRO. <i>Astrophysical Journal</i> , 2009, 698, 2121-2130.	4.5	152
25	Multiple Galactic Sources with Emission Above 56 TeV Detected by HAWC. <i>Physical Review Letters</i> , 2020, 124, 021102.	7.8	143
26	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
27	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
28	SWIFT AND FERMI OBSERVATIONS OF THE EARLY AFTERGLOW OF THE SHORT GAMMA-RAY BURST 090510. <i>Astrophysical Journal Letters</i> , 2010, 709, L146-L151.	8.3	130
29	The EGRET detection of quasar 1633 + 382. <i>Astrophysical Journal</i> , 1993, 410, 609.	4.5	120
30	Evidence for T[e]V Emission from GRB 970417[a]. <i>Astrophysical Journal</i> , 2000, 533, L119-L122.	4.5	109
31	High-energy gamma rays from the intense 1993 January 31 gamma-ray burst. <i>Astrophysical Journal</i> , 1994, 422, L63.	4.5	109
32	FERMI LARGE AREA TELESCOPE CONSTRAINTS ON THE GAMMA-RAY OPACITY OF THE UNIVERSE. <i>Astrophysical Journal</i> , 2010, 723, 1082-1096.	4.5	106
33	Supplement to the Second EGRET Catalog of High-Energy Gamma-Ray Sources. <i>Astrophysical Journal</i> , Supplement Series, 1996, 107, 227.	7.7	100
34	3HWC: The Third HAWC Catalog of Very-high-energy Gamma-Ray Sources. <i>Astrophysical Journal</i> , 2020, 905, 76.	4.5	99
35	Measurement of the Crab Nebula Spectrum Past 100 TeV with HAWC. <i>Astrophysical Journal</i> , 2019, 881, 134.	4.5	98
36	EGRET Observations of the Gamma-Ray Source 2CG 135+01. <i>Astrophysical Journal</i> , 1997, 486, 126-131.	4.5	91

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37	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
38	Observations of the Large Magellanic Cloud in high-energy gamma rays. <i>Astrophysical Journal</i> , 1992, 400, L67.	4.5	82
39	Very-high-energy particle acceleration powered by the jets of the microquasar SS 433. <i>Nature</i> , 2018, 562, 82-85.	27.8	75
40	TeV Gamma-Ray Survey of the Northern Hemisphere Sky Using the Milagro Observatory. <i>Astrophysical Journal</i> , 2004, 608, 680-685.	4.5	72
41	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
42	Evidence for TeV Gamma-Ray Emission from a Region of the Galactic Plane. <i>Physical Review Letters</i> , 2005, 95, 251103.	7.8	71
43	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
44	In-flight Calibration of EGRET on the Compton Gamma-Ray Observatory. <i>Astrophysical Journal</i> , Supplement Series, 1999, 123, 203-217.	7.7	70
45	Constraints on the cosmic rays in the Small Magellanic Cloud. <i>Physical Review Letters</i> , 1993, 70, 127-129.	7.8	69
46	EGRET high-energy gamma-ray pulsar studies. 1: Young spin-powered pulsars. <i>Astrophysical Journal</i> , 1994, 436, 229.	4.5	69
47	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
48	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
49	EGRET Detection of Pulsed Gamma Radiation from PSR B1951+32. <i>Astrophysical Journal</i> , 1995, 447, .	4.5	57
50	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
51	Search for signals from Cygnus X-3 at energies above 50 TeV. <i>Physical Review Letters</i> , 1988, 60, 1785-1788.	7.8	50
52	Limits on supersymmetric dark matter from EGRET observations of the Galactic center region. <i>Physical Review D</i> , 2004, 70, .	4.7	48
53	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
54	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

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55	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
56	Gamma-ray Burst Spectral Shapes from 2 keV to 500 MeV. <i>Astrophysical Journal</i> , 1998, 492, 696-702.	4.5	45
57	PROSPECTS FOR GRB SCIENCE WITH THE <i>FERMI</i> LARGE AREA TELESCOPE. <i>Astrophysical Journal</i> , 2009, 701, 1673-1694.	4.5	44
58	The High-Energy Gamma-Ray Fluence and Energy Spectrum of GRB 970417a from Observations with Milagro. <i>Astrophysical Journal</i> , 2003, 583, 824-832.	4.5	41
59	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
60	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
61	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
62	High-Energy Gamma Rays from PKS 1406+076 and the Observation of Correlated Gamma-Ray and Optical Emission. <i>Astrophysical Journal</i> , 1995, 454, .	4.5	37
63	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
64	Milagro Constraints on Very High Energy Emission from Short-Duration Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2007, 666, 361-367.	4.5	34
65	Evidence of 200 TeV Photons from HAWC J1825-134. <i>Astrophysical Journal Letters</i> , 2021, 907, L30.	8.3	34
66	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
67	Constraints on Very High Energy Gamma-Ray Emission from Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2005, 630, 996-1002.	4.5	31
68	On the nature of the unidentified EGRET sources: Are they Geminga-like pulsars?. <i>Astrophysical Journal</i> , 1995, 441, L61.	4.5	31
69	OBSERVATION AND SPECTRAL MEASUREMENTS OF THE CRAB NEBULA WITH MILAGRO. <i>Astrophysical Journal</i> , 2012, 750, 63.	4.5	30
70	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
71	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
72	Detection of Gamma Rays with E > 100 MeV from BL Lacertae. <i>Astrophysical Journal</i> , 1997, 480, 562-567.	4.5	29

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73	Observation of Anisotropy of TeV Cosmic Rays with Two Years of HAWC. <i>Astrophysical Journal</i> , 2018, 865, 57.	4.5	25
74	Contribution of GRB Emission to the GeV Extragalactic Diffuse Gamma-Ray Flux. <i>Astrophysical Journal</i> , 2007, 656, 306-312.	4.5	22
75	The future of GeV-TeV γ -ray astrophysics: Highlights of γ -Towards a Major atmospheric Cherenkov Telescope VI-workshop. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	20
76	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
77	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
78	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
79	TeV Emission of Galactic Plane Sources with HAWC and H.E.S.S.. <i>Astrophysical Journal</i> , 2021, 917, 6.	4.5	15
80	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
81	Spectrum and Morphology of the Very-high-energy Source HAWC J2019+368. <i>Astrophysical Journal</i> , 2021, 911, 143.	4.5	14
82	Observations of the highest energy gamma-rays from gamma-ray bursts. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	13
83	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
84	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
85	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
86	CONSTRAINTS ON THE EMISSION MODEL OF THE γ -NAKED-EYE BURST GRB 080319B. <i>Astrophysical Journal Letters</i> , 2012, 753, L31.	8.3	11
87	Multiwavelength Investigation of Pulsar Wind Nebula DA 495 with HAWC, VERITAS, and NuSTAR. <i>Astrophysical Journal</i> , 2019, 878, 126.	4.5	10
88	EGRET observations of bursts at MeV energies. , 1998, , .		9
89	The highest energy emission detected by EGRET from blazars. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	9
90	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

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91	Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. <i>Astrophysical Journal</i> , 2021, 906, 63.	4.5	9
92	A Survey of the Northern Sky for TeV Point Sources. <i>Astrophysical Journal</i> , 2001, 558, 477-481.	4.5	9
93	EGRET observations of three gamma-ray bursts at energies ≈ 30 MeV. <i>AIP Conference Proceedings</i> , 1994, , .	0.4	8
94	Observations of the Highest Energy Gamma Rays from Gamma-Ray Bursts. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	8
95	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
96	MAGIC and <i>Fermi</i> -LAT gamma-ray results on unassociated HAWC sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 356-366.	4.4	7
97	HAWC Study of the Ultra-high-energy Spectrum of MGRO J1908+06. <i>Astrophysical Journal</i> , 2022, 928, 116.	4.5	6
98	HAWC and <i>Fermi</i> -LAT Detection of Extended Emission from the Unidentified Source 2HWC J2006+341. <i>Astrophysical Journal Letters</i> , 2020, 903, L14.	8.3	5
99	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
100	Limit on possible energy-dependent velocities for massless particles. <i>Physical Review D</i> , 1990, 41, 692-694.	4.7	4
101	EGRET observations of gamma-ray bursts on June 1, 1991 and August 14, 1991. , 1993, , .		3
102	Comparison of BATSE, COMPTEL, EGRET, and OSSE spectra of GRB 910601. <i>AIP Conference Proceedings</i> , 1994, , .	0.4	3
103	Cross calibration of burst spectra with BATSE, EGRET, and COMPTEL for GRB910503. <i>AIP Conference Proceedings</i> , 1994, , .	0.4	3
104	Simulated observations of gamma-ray bursts with GLAST. , 1998, , .		3
105	Discovery of a Distinct Higher Energy Spectral Component in GRB941017. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	3
106	HAWC (High Altitude Water Cherenkov) Observatory for Surveying the TeV Sky. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	3
107	Contribution of GRB Emission to the GeV Extragalactic Diffuse Gamma-Ray Flux. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	2
108	HAWC as a Ground-Based Space-Weather Observatory. <i>Solar Physics</i> , 2021, 296, 1.	2.5	2

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109	Burst spectra over a wide energy range. AIP Conference Proceedings, 1996, , .	0.4	1
110	Spectral Time Evolution for GRBs Observed by BATSE and EGRET-TASC. AIP Conference Proceedings, 2004, , .	0.4	1
111	COMPTEL Observation of GRB941017 with Distinct High-Energy Component. AIP Conference Proceedings, 2004, , .	0.4	1
112	A High Altitude Mexican ACT Project, OMEGA. , 2008, , .		1
113	GRB980923; a Burst with the MeV-spectral Component of GRB941017. , 2009, , .		1
114	A review of gamma ray bursts. , 1997, , .		0
115	EGRET observations of PKS 0528+134 from 1991 to 1997. , 1997, , .		0
116	Constraints on TeV Emission from GRBs from the GeV Extragalactic Diffuse Gamma-Ray Flux. AIP Conference Proceedings, 2006, , .	0.4	0
117	Spectroscopy of the Brightest Bursts up to Energies of 200MeV. AIP Conference Proceedings, 2006, , .	0.4	0
118	Spectral Evolution of Two High-Energy Gamma-Ray Bursts. Geophysical Monograph Series, 2013, , 275-278.	0.1	0
119	The anisotropy of multi-TeV cosmic rays. , 2013, , .		0