Valerie Connaughton

List of Publications by Year
in descending order

41	4,193	186265 28	302126 39
papers	citations	h-index	g-index

41	41	41	4170
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Search for High-energy Counterparts to Fast Radio Bursts. Astrophysical Journal, 2019, 879, 40.	4.5	30
2	ESTIMATING LONG GRB JET OPENING ANGLES AND REST-FRAME ENERGETICS. Astrophysical Journal, 2016, 818, 18.	4.5	57
3	TheFermiGBM gamma-ray burst time-resolved spectral catalog: brightest bursts in the first four years. Astronomy and Astrophysics, 2016, 588, A135.	5.1	80
4	Characteristics of Thunderstorms That Produce Terrestrial Gamma Ray Flashes. Bulletin of the American Meteorological Society, 2016, 97, 639-653.	3.3	36
5	THE THIRD FERMI GBM GAMMA-RAY BURST CATALOG: THE FIRST SIX YEARS. Astrophysical Journal, Supplement Series, 2016, 223, 28.	7.7	191
6	DO THE FERMI GAMMA-RAY BURST MONITOR AND SWIFT BURST ALERT TELESCOPE SEE THE SAME SHORT GAMMA-RAY BURSTS?. Astrophysical Journal, 2016, 818, 110.	4.5	26
7	SYNCHROTRON ORIGIN OF THE TYPICAL GRB BAND FUNCTIONâ€"A CASE STUDY OF GRB 130606B. Astrophysical Journal, 2016, 816, 72.	4.5	86
8	Synchrotron cooling in energetic gamma-ray bursts observed by theFermiGamma-Ray Burst Monitor. Astronomy and Astrophysics, 2015, 573, A81.	5.1	26
9	THE NEEDLE IN THE 100 deg²HAYSTACK: UNCOVERING AFTERGLOWS OFFERMIGRBs WITH THE PALOMAR TRANSIENT FACTORY. Astrophysical Journal, 2015, 806, 52.	4.5	43
10	THE SECOND FERMI GBM GAMMA-RAY BURST CATALOG: THE FIRST FOUR YEARS. Astrophysical Journal, Supplement Series, 2014, 211, 13.	7.7	172
11	The source altitude, electric current, and intrinsic brightness of terrestrial gamma ray flashes. Geophysical Research Letters, 2014, 41, 8586-8593.	4.0	87
12	Compton scattering in terrestrial gamma-ray flashes detected with the Fermi gamma-ray burst monitor. Physical Review D, 2014, 90, .	4.7	16
13	THE FERMI GBM GAMMA-RAY BURST SPECTRAL CATALOG: FOUR YEARS OF DATA. Astrophysical Journal, Supplement Series, 2014, 211, 12.	7.7	279
14	HOW LONG DOES A BURST BURST?. Astrophysical Journal, 2014, 787, 66.	4.5	93
15	AN OBSERVED CORRELATION BETWEEN THERMAL AND NON-THERMAL EMISSION IN GAMMA-RAY BURSTS. Astrophysical Journal Letters, 2014, 784, L43.	8.3	27
16	IACT observations of gamma-ray bursts: prospects for the Cherenkov Telescope Array. Experimental Astronomy, 2013, 35, 413-457.	3.7	15
17	Radio signals from electron beams in terrestrial gamma ray flashes. Journal of Geophysical Research: Space Physics, 2013, 118, 2313-2320.	2.4	80
18	Terrestrial gammaâ€ray flashes in the Fermi era: Improvedâ€‰observations and analysis methods. Journal of Geophysical Research: Space Physics, 2013, 118, 3805-3830.	2.4	109

#	Article	IF	Citations
19	Analytical modeling of pulse-pileup distortion using the true pulse shape; applications to Fermi-GBM. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 717, 21-36.	1.6	20
20	Gamma-ray burst science in the era of the Cherenkov Telescope Array. Astroparticle Physics, 2013, 43, 252-275.	4.3	58
21	Initial breakdown pulses in intracloud lightning flashes and their relation to terrestrial gamma ray flashes. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,907.	3.3	61
22	THE FERMI GBM GAMMA-RAY BURST CATALOG: THE FIRST TWO YEARS. Astrophysical Journal, Supplement Series, 2012, 199, 18.	7.7	100
23	THREE YEARS OF FERMI GBM EARTH OCCULTATION MONITORING: OBSERVATIONS OF HARD X-RAY/SOFT GAMMA-RAY SOURCES. Astrophysical Journal, Supplement Series, 2012, 201, 33.	7.7	28
24	Background estimation in a wide-field background-limited instrument such as Fermi GBM. Proceedings of SPIE, 2012, , .	0.8	8
25	TEMPORAL DECONVOLUTION STUDY OF LONG AND SHORT GAMMA-RAY BURST LIGHT CURVES. Astrophysical Journal, 2012, 744, 141.	4.5	35
26	THE FERMI GBM GAMMA-RAY BURST SPECTRAL CATALOG: THE FIRST TWO YEARS. Astrophysical Journal, Supplement Series, 2012, 199, 19.	7.7	162
27	Electron-positron beams from terrestrial lightning observed with Fermi GBM. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	123
28	The lightning-TGF relationship on microsecond timescales. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	96
29	CONSTRAINTS ON THE SYNCHROTRON SHOCK MODEL FOR THEFERMIGRB 090820A OBSERVED BY GAMMA-RAY BURST MONITOR. Astrophysical Journal, 2011, 741, 24.	4.5	43
30	FIRST-YEAR RESULTS OF BROADBAND SPECTROSCOPY OF THE BRIGHTESTFERMI-GBM GAMMA-RAY BURSTS. Astrophysical Journal, 2011, 733, 97.	4.5	25
31	DETECTION OF A THERMAL SPECTRAL COMPONENT IN THE PROMPT EMISSION OF GRB 100724B. Astrophysical Journal Letters, 2011, 727, L33.	8.3	205
32	WHEN A STANDARD CANDLE FLICKERS. Astrophysical Journal Letters, 2011, 727, L40.	8.3	117
33	The Fermi view of gamma-ray bursts. Comptes Rendus Physique, 2011, 12, 267-275.	0.9	6
34	THEFERMIGAMMA-RAY BURST MONITOR. Astrophysical Journal, 2009, 702, 791-804.	4.5	1,063
35	The GLAST Burst Monitor. AIP Conference Proceedings, 2007, , .	0.4	13
36	Extended Power-Law Decays in BATSE Gamma-Ray Bursts: Signatures of External Shocks?. AIP Conference Proceedings, 2003, , .	0.4	0

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37	BATSE Observations of Gammaâ€Ray Burst Tails. Astrophysical Journal, 2002, 567, 1028-1036.	4.5	90
38	The Fourth BATSE Gammaâ€Ray Burst Catalog (Revised). Astrophysical Journal, Supplement Series, 1999, 122, 465-495.	7.7	410
39	The Structure and Evolution of LOCBURST: The BATSE Burst Location Algorithm. Astrophysical Journal, 1999, 512, 362-376.	4.5	35
40	The Error Distribution of BATSE Gammaâ€Ray Burst Locations. Astrophysical Journal, Supplement Series, 1999, 122, 503-518.	7.7	31
41	The 4B BATSE gamma-ray burst catalog. , 1998, , .		11