B-B Zhang

List of Publications by Year
in descending order

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		2543	6128
602	35,942	96	159
papers	citations	h-index	g-index

611	611	611	9048
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physical Processes Shaping Gammaâ€Ray Burst Xâ€Ray Afterglow Light Curves: Theoretical Implications from theSwiftXâ€Ray Telescope Observations. Astrophysical Journal, 2006, 642, 354-370.	1.6	829
2	The physics of gamma-ray bursts & relativistic jets. Physics Reports, 2015, 561, 1-109.	10.3	682
3	GAMMA-RAY BURSTS: PROGRESS, PROBLEMS & PROSPECTS. International Journal of Modern Physics A, 2004, 19, 2385-2472.	0.5	657
4	The association of GRB 060218 with a supernova and the evolution of the shock wave. Nature, 2006, 442, 1008-1010.	13.7	635
5	THE INTERNAL-COLLISION-INDUCED MAGNETIC RECONNECTION AND TURBULENCE (ICMART) MODEL OF GAMMA-RAY BURSTS. Astrophysical Journal, 2011, 726, 90.	1.6	587
6	Gamma-Ray Burst Afterglow with Continuous Energy Injection: Signature of a Highly Magnetized Millisecond Pulsar. Astrophysical Journal, 2001, 552, L35-L38.	1.6	547
7	A short Î³-ray burst apparently associated with an elliptical galaxy at redshift z = 0.225. Nature, 2005, 437, 851-854.	13.7	515
8	Bright X-ray Flares in Gamma-Ray Burst Afterglows. Science, 2005, 309, 1833-1835.	6.0	460
9	Broadband observations of the naked-eye Î³-ray burst GRBâ€‰080319B. Nature, 2008, 455, 183-188.	13.7	449
10	Relativistic jet activity from the tidal disruption of a star by a massive black hole. Nature, 2011, 476, 421-424.	13.7	442
11	The Early Xâ€Ray Emission from GRBs. Astrophysical Journal, 2006, 647, 1213-1237.	1.6	354
12	DISCERNING THE PHYSICAL ORIGINS OF COSMOLOGICAL GAMMA-RAY BURSTS BASED ON MULTIPLE OBSERVATIONAL CRITERIA: THE CASES OFz= 6.7 GRB 080913,z= 8.2 GRB 090423, AND SOME SHORT/HARD GRBs. Astrophysical Journal, 2009, 703, 1696-1724.	1.6	307
13	X-ray Flares from Postmerger Millisecond Pulsars. Science, 2006, 311, 1127-1129.	6.0	295
14	An origin for short Î³-ray bursts unassociated with current star formation. Nature, 2005, 438, 994-996.	13.7	287
15	Gamma-Ray Bursts in the Swift Era. Research in Astronomy and Astrophysics, 2007, 7, 1-50.	1.1	278
16	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 Î³-ray Galactic sources. Nature, 2021, 594, 33-36.	13.7	262
17	THE AFTERGLOWS OFSWIFT-ERA GAMMA-RAY BURSTS. I. COMPARING PRE-SWIFTANDSWIFT-ERA LONG/SOFT (TYPE II) GRB OPTICAL AFTERGLOWS. Astrophysical Journal, 2010, 720, 1513-1558.	1.6	253
18	Gammaâ€Ray Burst Beaming: A Universal Configuration with a Standard Energy Reservoir?. Astrophysical Journal, 2002, 571, 876-879.	1.6	251

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19	Gammaâ€Ray Burst Early Optical Afterglows: Implications for the Initial Lorentz Factor and the Central Engine. Astrophysical Journal, 2003, 595, 950-954.	1.6	247
20	FERMI GBM OBSERVATIONS OF LIGO GRAVITATIONAL-WAVE EVENT GW150914. Astrophysical Journal Letters, 2016, 826, L6.	3.0	246
21	Lowâ€Luminosity Gammaâ€Ray Bursts as a Unique Population: Luminosity Function, Local Rate, and Beaming Factor. Astrophysical Journal, 2007, 662, 1111-1118.	1.6	243
22	JET BREAKS AND ENERGETICS OFSwiftGAMMA-RAY BURST X-RAY AFTERGLOWS. Astrophysical Journal, 2009, 698, 43-74.	1.6	239
23	SwiftObservations of GRB 070110: An Extraordinary Xâ€Ray Afterglow Powered by the Central Engine. Astrophysical Journal, 2007, 665, 599-607.	1.6	237
24	An unexpectedly rapid decline in the X-ray afterglow emission of long Î³-ray bursts. Nature, 2005, 436, 985-988.	13.7	232
25	Testing the Standard Fireball Model of Gammaâ€Ray Bursts Using Late Xâ€Ray Afterglows Measured bySwift. Astrophysical Journal, 2007, 662, 1093-1110.	1.6	230
26	Modelâ€independent Multivariable Gammaâ€Ray Burst Luminosity Indicator and Its Possible Cosmological Implications. Astrophysical Journal, 2005, 633, 611-623.	1.6	227
27	GRB Radiative Efficiencies Derived from theSwiftData: GRBs versus XRFs, Long versus Short. Astrophysical Journal, 2007, 655, 989-1001.	1.6	221
28	A Comprehensive Analysis ofSwiftXRT Data. II. Diverse Physical Origins of the Shallow Decay Segment. Astrophysical Journal, 2007, 670, 565-583.	1.6	217
29	A POSSIBLE CONNECTION BETWEEN FAST RADIO BURSTS AND GAMMA-RAY BURSTS. Astrophysical Journal Letters, 2014, 780, L21.	3.0	216
30	An Analysis of Gammaâ€Ray Burst Spectral Break Models. Astrophysical Journal, 2002, 581, 1236-1247.	1.6	212
31	Flares in Long and Short Gamma-Ray Bursts: A Common Origin in a Hyperaccreting Accretion Disk. Astrophysical Journal, 2006, 636, L29-L32.	1.6	208
32	IDENTIFICATION AND PROPERTIES OF THE PHOTOSPHERIC EMISSION IN GRB090902B. Astrophysical Journal Letters, 2010, 709, L172-L177.	3.0	207
33	Panchromatic study of GRB 060124: from precursor to afterglow. Astronomy and Astrophysics, 2006, 456, 917-927.	2.1	204
34	Gammaâ€Ray Burst Early Afterglows: Reverse Shock Emission from an Arbitrarily Magnetized Ejecta. Astrophysical Journal, 2005, 628, 315-334.	1.6	203
35	A COMPREHENSIVE ANALYSIS OFFERMIGAMMA-RAY BURST DATA. I. SPECTRAL COMPONENTS AND THE POSSIBLE PHYSICAL ORIGINS OF LAT/GBM GRBs. Astrophysical Journal, 2011, 730, 141.	1.6	202
36	The First Survey of Xâ€Ray Flares from Gammaâ€Ray Bursts Observed bySwift: Temporal Properties and Morphology. Astrophysical Journal, 2007, 671, 1903-1920.	1.6	202

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37	THE SECOND SWIFT BURST ALERT TELESCOPE GAMMA-RAY BURST CATALOG. Astrophysical Journal, Supplement Series, 2011, 195, 2.	3.0	197
38	BRIGHT â€œMERGER-NOVAâ€•FROM THE REMNANT OF A NEUTRON STAR BINARY MERGER: A SIGNATURE OF A NEWLY BORN, MASSIVE, MILLISECOND MAGNETAR. Astrophysical Journal Letters, 2013, 776, L40.	3.0	192
39	CONSTRAINING GAMMA-RAY BURST INITIAL LORENTZ FACTOR WITH THE AFTERGLOW ONSET FEATURE AND DISCOVERY OF A TIGHT Î“₀-E_{Î³,iso}CORRELATION. Astrophysical Journal, 2010, 725, 2209-2224.	1.6	191
40	THE THIRD FERMI GBM GAMMA-RAY BURST CATALOG: THE FIRST SIX YEARS. Astrophysical Journal, Supplement Series, 2016, 223, 28.	3.0	191
41	Highâ€Energy Spectral Components in Gammaâ€Ray Burst Afterglows. Astrophysical Journal, 2001, 559, 110-122.	1.6	189
42	THE AFTERGLOWS OFSWIFT-ERA GAMMA-RAY BURSTS. II. TYPE I GRB VERSUS TYPE II GRB OPTICAL AFTERGLOWS. Astrophysical Journal, 2011, 734, 96.	1.6	187
43	Testing the Curvature Effect and Internal Origin of Gammaâ€Ray Burst Prompt Emissions and Xâ€Ray Flares withSwiftData. Astrophysical Journal, 2006, 646, 351-357.	1.6	184
44	The unusual X-ray emission of the short Swift GRB 090515: evidence for the formation of a magnetar?. Monthly Notices of the Royal Astronomical Society, 2010, 409, 531-540.	1.6	184
45	The physical mechanisms of fast radio bursts. Nature, 2020, 587, 45-53.	13.7	183
46	Making a Short Gamma-Ray Burst from a Long One: Implications for the Nature of GRB 060614. Astrophysical Journal, 2007, 655, L25-L28.	1.6	181
47	COSMOLOGICAL IMPLICATIONS OF FAST RADIO BURST/GAMMA-RAY BURST ASSOCIATIONS. Astrophysical Journal Letters, 2014, 783, L35.	3.0	178
48	GRB 080913 AT REDSHIFT 6.7. Astrophysical Journal, 2009, 693, 1610-1620.	1.6	175
49	A complete reference of the analytical synchrotron external shock models of gamma-ray bursts. New Astronomy Reviews, 2013, 57, 141-190.	5.2	175
50	THE MILLISECOND MAGNETAR CENTRAL ENGINE IN SHORT GRBs. Astrophysical Journal, 2015, 805, 89.	1.6	173
51	A Comprehensive Analysis ofSwiftXRT Data. III. Jet Break Candidates in Xâ€Ray and Optical Afterglow Light Curves. Astrophysical Journal, 2008, 675, 528-552.	1.6	171
52	MERGERS OF CHARGED BLACK HOLES: GRAVITATIONAL-WAVE EVENTS, SHORT GAMMA-RAY BURSTS, AND FAST RADIO BURSTS. Astrophysical Journal Letters, 2016, 827, L31.	3.0	160
53	Full Polar Cap Cascade Scenario: Gammaâ€Ray and Xâ€Ray Luminosities from Spinâ€powered Pulsars. Astrophysical Journal, 2000, 532, 1150-1171.	1.6	155
54	EARLY X-RAY AND OPTICAL AFTERGLOW OF GRAVITATIONAL WAVE BURSTS FROM MERGERS OF BINARY NEUTRON STARS. Astrophysical Journal Letters, 2013, 763, L22.	3.0	153

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55	The late time evolution of gamma-ray bursts: ending hyperaccretion and producing flares. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 370, L61-L65.	1.2	152
56	HXMT identification of a non-thermal X-ray burst from SGR J1935+2154 and with FRB 200428. Nature Astronomy, 2021, 5, 378-384.	4.2	152
57	EVIDENCE OF AN INITIALLY MAGNETICALLY DOMINATED OUTFLOW IN GRB 080916C. Astrophysical Journal, 2009, 700, L65-L68.	1.6	147
58	The Giant Xâ€Ray Flare of GRB 050502B: Evidence for Lateâ€Time Internal Engine Activity. Astrophysical Journal, 2006, 641, 1010-1017.	1.6	145
59	The FirstSwiftBAT Gammaâ€Ray Burst Catalog. Astrophysical Journal, Supplement Series, 2008, 175, 179-190.	3.0	143
60	Xâ€Rayâ€“rich Gammaâ€Ray Bursts, Photospheres, and Variability. Astrophysical Journal, 2002, 578, 812-817.	1.6	141
61	Variabilities of Gammaâ€Ray Burst Afterglows: Longâ€acting Engine, Anisotropic Jet, or Many Fluctuating Regions?. Astrophysical Journal, 2005, 631, 429-434.	1.6	136
62	A TEST OF THE MILLISECOND MAGNETAR CENTRAL ENGINE MODEL OF GAMMA-RAY BURSTS WITHSWIFTDATA. Astrophysical Journal, 2014, 785, 74.	1.6	136
63	A Comprehensive Analysis ofSwiftXRT Data. I. Apparent Spectral Evolution of Gammaâ€Ray Burst Xâ€Ray Tails. Astrophysical Journal, 2007, 666, 1002-1011.	1.6	134
64	A unified picture of Galactic and cosmological fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1397-1405.	1.6	134
65	Radio Pulsar Death Line Revisited: Is PSR J2144â^'3933 Anomalous?. Astrophysical Journal, 2000, 531, L135-L138.	1.6	133
66	Fast-cooling synchrotron radiation in a decaying magnetic field and Î³-ray burst emission mechanism. Nature Physics, 2014, 10, 351-356.	6.5	133
67	The THESEUS space mission concept: science case, design and expected performances. Advances in Space Research, 2018, 62, 191-244.	1.2	133
68	Jet Breaks in Short Gammaâ€Ray Bursts. II. The Collimated Afterglow of GRB 051221A. Astrophysical Journal, 2006, 653, 468-473.	1.6	131
69	A bimodal burst energy distribution of a repeating fast radio burst source. Nature, 2021, 598, 267-271.	13.7	129
70	SwiftObservations of the Xâ€Rayâ€“Bright GRB 050315. Astrophysical Journal, 2006, 638, 920-929.	1.6	128
71	Gammaâ€Ray Bursts with Continuous Energy Injection and Their Afterglow Signature. Astrophysical Journal, 2002, 566, 712-722.	1.6	126
72	Can X-ray emission powered by a spinning-down magnetar explain some gamma-ray burst light-curve features?. Monthly Notices of the Royal Astronomical Society, 2010, 402, 705-712.	1.6	126

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73	A peculiar low-luminosity short gamma-ray burst from a double neutron star merger progenitor. Nature Communications, 2018, 9, 447.	5.8	125
74	Quasi-universal Gaussian Jets: A Unified Picture for Gamma-Ray Bursts and X-Ray Flashes. Astrophysical Journal, 2004, 601, L119-L122.	1.6	124
75	STATISTICAL PROPERTIES OF GAMMA-RAY BURST POLARIZATION. Astrophysical Journal, 2009, 698, 1042-1053.	1.6	123
76	A long-lived neutron star merger remnant in GW170817: constraints and clues from X-ray observations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1912-1921.	1.6	121
77	A â€œCosmic Combâ€•Model of Fast Radio Bursts. Astrophysical Journal Letters, 2017, 836, L32.	3.0	119
78	EXTRAGALACTIC HIGH-ENERGY TRANSIENTS: EVENT RATE DENSITIES AND LUMINOSITY FUNCTIONS. Astrophysical Journal, 2015, 812, 33.	1.6	118
79	Constraints on binary neutron star merger product from short GRB observations. Physical Review D, 2016, 93, .	1.6	118
80	GRB 021004: Reverse Shock Emission. Astrophysical Journal, 2003, 582, L75-L78.	1.6	116
81	A COMPREHENSIVE ANALYSIS OFFERMIGAMMA-RAY BURST DATA. II.E_pEVOLUTION PATTERNS AND IMPLICATIONS FOR THE OBSERVED SPECTRUM-LUMINOSITY RELATIONS. Astrophysical Journal, 2012, 756, 112.	1.6	116
82	HOW BAD OR GOOD ARE THE EXTERNAL FORWARD SHOCK AFTERGLOW MODELS OF GAMMA-RAY BURSTS?. Astrophysical Journal, Supplement Series, 2015, 219, 9.	3.0	115
83	Bunching Coherent Curvature Radiation in Three-dimensional Magnetic Field Geometry: Application to Pulsars and Fast Radio Bursts. Astrophysical Journal, 2018, 868, 31.	1.6	114
84	Efficient genome-wide mutagenesis of zebrafish genes by retroviral insertions. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12428-12433.	3.3	113
85	EFFICIENT PRODUCTION OF HIGH-ENERGY NONTHERMAL PARTICLES DURING MAGNETIC RECONNECTION IN A MAGNETICALLY DOMINATED IONâ€“ELECTRON PLASMA. Astrophysical Journal Letters, 2016, 818, L9.	3.0	113
86	HYPERACCRETING BLACK HOLE AS GAMMA-RAY BURST CENTRAL ENGINE. I. BARYON LOADING IN GAMMA-RAY BURST JETS. Astrophysical Journal, 2013, 765, 125.	1.6	110
87	Rapidly evolving transients in the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2018, 481, 894-917.	1.6	109
88	Diverse polarization angle swings from a repeating fast radio burst source. Nature, 2020, 586, 693-696.	13.7	109
89	Transition from fireball to Poynting-flux-dominated outflow in the three-episode GRB 160625B. Nature Astronomy, 2018, 2, 69-75.	4.2	107
90	GRB 130427A: A Nearby Ordinary Monster. Science, 2014, 343, 48-51.	6.0	105

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91	GeV and Higher Energy Photon Interactions in Gammaâ€Ray Burst Fireballs and Surroundings. Astrophysical Journal, 2004, 613, 1072-1078.	1.6	103
92	Fast Radio Burst Energetics and Detectability from High Redshifts. Astrophysical Journal Letters, 2018, 867, L21.	3.0	101
93	No pulsed radio emission during a bursting phase of a Galactic magnetar. Nature, 2020, 587, 63-65.	13.7	101
94	Correlations of Prompt and Afterglow Emission inSwiftLong and Short Gammaâ€Ray Bursts. Astrophysical Journal, 2008, 689, 1161-1172.	1.6	100
95	Open questions in GRB physics. Comptes Rendus Physique, 2011, 12, 206-225.	0.3	100
96	A COMPREHENSIVE STUDY OF GAMMA-RAY BURST OPTICAL EMISSION. I. FLARES AND EARLY SHALLOW-DECAY COMPONENT. Astrophysical Journal, 2012, 758, 27.	1.6	99
97	BRIGHT BROADBAND AFTERGLOWS OF GRAVITATIONAL WAVE BURSTS FROM MERGERS OF BINARY NEUTRON STARS. Astrophysical Journal, 2013, 771, 86.	1.6	99
98	A repeating fast radio burst associated with a persistent radio source. Nature, 2022, 606, 873-877.	13.7	98
99	A Binary Comb Model for Periodic Fast Radio Bursts. Astrophysical Journal Letters, 2020, 893, L26.	3.0	97
100	Jet Breaks in Short Gammaâ€Ray Bursts. I. The Uncollimated Afterglow of GRB 050724. Astrophysical Journal, 2006, 653, 462-467.	1.6	96
101	GRB 061121: Broadband Spectral Evolution through the Prompt and Afterglow Phases of a Bright Burst. Astrophysical Journal, 2007, 663, 1125-1138.	1.6	96
102	LORENTZ-FACTORâ€“ISOTROPIC-LUMINOSITY/ENERGY CORRELATIONS OF GAMMA-RAY BURSTS AND THEIR INTERPRETATION. Astrophysical Journal, 2012, 751, 49.	1.6	96
103	On the normalized FRB luminosity function. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2320-2337.	1.6	96
104	SwiftPanchromatic Observations of the Bright Gammaâ€Ray Burst GRB 050525a. Astrophysical Journal, 2006, 637, 901-913.	1.6	95
105	FAST RADIO BURST/GAMMA-RAY BURST COSMOGRAPHY. Astrophysical Journal, 2014, 788, 189.	1.6	95
106	Low-luminosity gamma-ray bursts as a distinct GRB population: a firmer case from multiple criteria constraints. Monthly Notices of the Royal Astronomical Society, 2009, 392, 91-103.	1.6	94
107	Long-lived remnants from binary neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3670-3682.	1.6	94
108	Swift observations of GRBÂ060614: an anomalous burst with a well behaved afterglow. Astronomy and Astrophysics, 2007, 470, 105-118.	2.1	94

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109	PSR 0943+10: A Bare Strange Star?. Astrophysical Journal, 1999, 522, L109-L112.	1.6	93
110	SwiftandXMMâ€NewtonObservations of the Extraordinary Gammaâ€Ray Burst 060729: More than 125 Days of Xâ€Ray Afterglow. Astrophysical Journal, 2007, 662, 443-458.	1.6	93
111	HOW LONG DOES A BURST BURST?. Astrophysical Journal, 2014, 787, 66.	1.6	93
112	Neutrino-dominated accretion flows as the central engine of gamma-ray bursts. New Astronomy Reviews, 2017, 79, 1-25.	5.2	93
113	On the Kinetic Energy and Radiative Efficiency of Gammaâ€Ray Bursts. Astrophysical Journal, 2004, 613, 477-483.	1.6	92
114	WEIBEL INSTABILITY AND ASSOCIATED STRONG FIELDS IN A FULLY THREE-DIMENSIONAL SIMULATION OF A RELATIVISTIC SHOCK. Astrophysical Journal, 2009, 698, L10-L13.	1.6	92
115	THE PARALLAX OF W43: A MASSIVE STAR-FORMING COMPLEX NEAR THE GALACTIC BAR. Astrophysical Journal, 2014, 781, 89.	1.6	92
116	X-ray flare in XRF 050406: evidence for prolonged engine activity. Astronomy and Astrophysics, 2006, 450, 59-68.	2.1	91
117	Characterizing the Fast Radio Burst Host Galaxy Population and its Connection to Transients in the Local and Extragalactic Universe. Astronomical Journal, 2022, 163, 69.	1.9	91
118	Early Optical Afterglows from Windâ€Type Gammaâ€Ray Bursts. Astrophysical Journal, 2003, 597, 455-458.	1.6	90
119	A COMPREHENSIVE STUDY OF GAMMA-RAY BURST OPTICAL EMISSION. II. AFTERGLOW ONSET AND LATE RE-BRIGHTENING COMPONENTS. Astrophysical Journal, 2013, 774, 13.	1.6	90
120	Discovery of an Afterglow Extension of the Prompt Phase of Two Gamma-Ray Bursts Observed by Swift. Astrophysical Journal, 2005, 635, L133-L136.	1.6	89
121	GRB 021004: A Massive Progenitor Star Surrounded by Shells. Astrophysical Journal, 2003, 588, 387-399.	1.6	87
122	SYNCHROTRON ORIGIN OF THE TYPICAL GRB BAND FUNCTIONâ€"A CASE STUDY OF GRB 130606B. Astrophysical Journal, 2016, 816, 72.	1.6	86
123	Strongly lensed repeating fast radio bursts as precision probes of the universe. Nature Communications, 2018, 9, 3833.	5.8	86
124	Petaâ€“electron volt gamma-ray emission from the Crab Nebula. Science, 2021, 373, 425-430.	6.0	86
125	ELECTRON/POSITRON EXCESSES IN THE COSMIC RAY SPECTRUM AND POSSIBLE INTERPRETATIONS. International Journal of Modern Physics D, 2010, 19, 2011-2058.	0.9	85
126	The connection between thermal and non-thermal emission in gamma-ray bursts: general considerations and GRBâ€ƒ090902B as a case study. Monthly Notices of the Royal Astronomical Society, 2012, 420, 468-482.	1.6	85

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127	Regimes of Pulsar Pair Formation and Particle Energetics. Astrophysical Journal, 2002, 576, 366-375.	1.6	85
128	GRB 080503 LATE AFTERGLOW RE-BRIGHTENING: SIGNATURE OF A MAGNETAR-POWERED MERGER-NOVA. Astrophysical Journal, 2015, 807, 163.	1.6	84
129	The Allowed Parameter Space of a Long-lived Neutron Star as the Merger Remnant of GW170817. Astrophysical Journal, 2018, 860, 57.	1.6	84
130	The X-ray afterglow of the short gamma ray burst 050724. Astronomy and Astrophysics, 2006, 454, 113-117.	2.1	83
131	FERMIANDSWIFTGAMMA-RAY BURST AFTERGLOW POPULATION STUDIES. Astrophysical Journal, 2011, 738, 138.	1.6	82
132	A SUPRAMASSIVE MAGNETAR CENTRAL ENGINE FOR GRB 130603B. Astrophysical Journal Letters, 2013, 779, L25.	3.0	82
133	A COMPREHENSIVE ANALYSIS OFFERMIGAMMA-RAY BURST DATA. III. ENERGY-DEPENDENTT₉₀DISTRIBUTIONS OF GBM GRBs AND INSTRUMENTAL SELECTION EFFECT ON DURATION CLASSIFICATION. Astrophysical Journal, 2013, 763, 15.	1.6	82
134	GAMMA-RAY BURSTS ARE OBSERVED OFF-AXIS. Astrophysical Journal, 2015, 799, 3.	1.6	82
135	On the FRB luminosity function â€“ â€“ II. Event rate density. Monthly Notices of the Royal Astronomical Society, 2020, 494, 665-679.	1.6	81
136	Neutrino spectra from low and high luminosity populations of gamma ray bursts. Astroparticle Physics, 2007, 27, 386-391.	1.9	80
137	Millisecond pulsar interpretation of the Galactic center gamma-ray excess. Journal of High Energy Astrophysics, 2014, 3-4, 1-8.	2.4	80
138	TheFermiGBM gamma-ray burst time-resolved spectral catalog: brightest bursts in the first four years. Astronomy and Astrophysics, 2016, 588, A135.	2.1	80
139	The Onset of Gammaâ€Ray Burst Afterglow. Astrophysical Journal, 2007, 655, 973-979.	1.6	79
140	A magnetar-powered X-ray transient as the aftermath of a binary neutron-star merger. Nature, 2019, 568, 198-201.	13.7	79
141	A thousand days after the merger: Continued X-ray emission from GW170817. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5643-5651.	1.6	79
142	LOW ENERGY SPECTRAL INDEX ANDE_pEVOLUTION OF QUASI-THERMAL PHOTOSPHERE EMISSION OF GAMMA-RAY BURSTS. Astrophysical Journal, 2014, 785, 112.	1.6	78
143	PHOTOSPHERE EMISSION FROM A HYBRID RELATIVISTIC OUTFLOW WITH ARBITRARY DIMENSIONLESS ENTROPY AND MAGNETIZATION IN GRBs. Astrophysical Journal, 2015, 801, 103.	1.6	78
144	The afterglow and kilonova of the short GRB 160821B. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	78

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145	Linearly Polarized X-Ray Flares following Short Gamma-Ray Bursts. Astrophysical Journal, 2005, 635, L129-L132.	1.6	77
146	Synchrotron Emission in Smallâ€Scale Magnetic Fields as a Possible Explanation for Prompt Emission Spectra of Gammaâ€Ray Bursts. Astrophysical Journal, 2006, 653, 454-461.	1.6	76
147	Model-Dependent High-Energy Neutrino Flux from Gamma-Ray Bursts. Physical Review Letters, 2013, 110, 121101.	2.9	76
148	Ammonia intercalated flower-like MoS2 nanosheet film as electrocatalyst for high efficient and stable hydrogen evolution. Scientific Reports, 2016, 6, 31092.	1.6	76
149	Detectability of Long Gammaâ€Ray Burst Afterglows from Very High Redshifts. Astrophysical Journal, 2004, 604, 508-520.	1.6	75
150	Very Early Optical Afterglows of Gammaâ€Ray Bursts: Evidence for Relative Paucity of Detection. Astrophysical Journal, 2006, 652, 1416-1422.	1.6	75
151	A burst of new ideas. Nature, 2006, 444, 1010-1011.	13.7	75
152	LOCALIZATION OF GAMMA-RAY BURSTS USING THE FERMI GAMMA-RAY BURST MONITOR. Astrophysical Journal, Supplement Series, 2015, 216, 32.	3.0	75
153	Extended Very-High-Energy Gamma-Ray Emission Surrounding PSR <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">J</mml:mi><mml:mn>0622</mml:mn><mml:mo>+</mml:mo><mml:mn>3749</mml:mn></mml:mrow></mm Observed by LHAASO-KM2A. Physical Review Letters, 2021, 126, 241103.	2.9	73
154	TOWARD A BETTER UNDERSTANDING OF THE GRB PHENOMENON: A NEW MODEL FOR GRB PROMPT EMISSION AND ITS EFFECTS ON THE NEW L_i^{NT}â€“E_{peak,i}^{rest,NT}RELATION. Astrophysical Journal, 2015, 807, 148.	1.6	72
155	GAMMA-RAY BURST PROMPT EMISSION LIGHT CURVES AND POWER DENSITY SPECTRA IN THE ICMART MODEL. Astrophysical Journal, 2014, 782, 92.	1.6	71
156	What Powered the Optical Transient AT2017gfo Associated with GW170817?. Astrophysical Journal Letters, 2018, 861, L12.	3.0	71
157	A Mildly Relativistic Outflow from the Energetic, Fast-rising Blue Optical Transient CSS161010 in a Dwarf Galaxy. Astrophysical Journal Letters, 2020, 895, L23.	3.0	70
158	Internal x-ray plateau in short GRBs: Signature of supramassive fast-rotating quark stars?. Physical Review D, 2016, 94, .	1.6	69
159	Are There Multiple Populations of Fast Radio Bursts?. Astrophysical Journal Letters, 2018, 854, L12.	3.0	69
160	Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. Astrophysical Journal, 2020, 905, 145.	1.6	69
161	Prompt emission of high-energy photons from gamma ray bursts. Monthly Notices of the Royal Astronomical Society, 0, 380, 78-92.	1.6	68
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