B-B Zhang

List of Publications by Citations

581 papers	28,135 citations	86 h-index	142 g-index
611 ext. papers	32,046 ext. citations	6.8 avg, IF	7.8 L-index

#	Paper	IF	Citations
581	Physical Processes Shaping Gamma-Ray Burst X-Ray Afterglow Light Curves: Theoretical Implications from theSwiftX-Ray Telescope Observations. *Astrophysical Journal*, **2006**, 642, 354-370	4.7	712
580	GAMMA-RAY BURSTS: PROGRESS, PROBLEMS & PROSPECTS. *International Journal of Modern Physics A*, **2004**, 19, 2385-2472	1.2	582
579	The association of GRB 060218 with a supernova and the evolution of the shock wave. *Nature*, **2006**, 442, 1008-10	50.4	568
578	The physics of gamma-ray bursts & relativistic jets. *Physics Reports*, **2015**, 561, 1-109	27.7	477
577	THE INTERNAL-COLLISION-INDUCED MAGNETIC RECONNECTION AND TURBULENCE (ICMART) MODEL OF GAMMA-RAY BURSTS. *Astrophysical Journal*, **2011**, 726, 90	4.7	468
576	Gamma-Ray Burst Afterglow with Continuous Energy Injection: Signature of a Highly Magnetized Millisecond Pulsar. *Astrophysical Journal*, **2001**, 552, L35-L38	4.7	454
575	A short gamma-ray burst apparently associated with an elliptical galaxy at redshift z = 0.225. *Nature*, **2005**, 437, 851-4	50.4	406
574	Bright x-ray flares in gamma-ray burst afterglows. *Science*, **2005**, 309, 1833-5	33.3	405
573	Broadband observations of the naked-eye gamma-ray burst GRB 080319B. *Nature*, **2008**, 455, 183-8	50.4	377
572	Relativistic jet activity from the tidal disruption of a star by a massive black hole. *Nature*, **2011**, 476, 421-4	50.4	372
571	The Early X-Ray Emission from GRBs. *Astrophysical Journal*, **2006**, 647, 1213-1237	4.7	321
570	An origin for short gamma-ray bursts unassociated with current star formation. *Nature*, **2005**, 438, 994-6	50.4	262
569	Gamma-Ray Bursts in the Swift Era. *Research in Astronomy and Astrophysics*, **2007**, 7, 1-50		256
568	X-ray flares from postmerger millisecond pulsars. *Science*, **2006**, 311, 1127-9	33.3	255
567	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	4.7	241
566	Gamma-Ray Burst Early Optical Afterglows: Implications for the Initial Lorentz Factor and the Central Engine. *Astrophysical Journal*, **2003**, 595, 950-954	4.7	223
565	Gamma-Ray Burst Beaming: A Universal Configuration with a Standard Energy Reservoir?. *Astrophysical Journal*, **2002**, 571, 876-879	4.7	220

564	FERMI GBM OBSERVATIONS OF LIGO GRAVITATIONAL-WAVE EVENT GW150914. *Astrophysical Journal Letters*, **2016**, 826, L6	7.9	219
563	Low-Luminosity Gamma-Ray Bursts as a Unique Population: Luminosity Function, Local Rate, and Beaming Factor. *Astrophysical Journal*, **2007**, 662, 1111-1118	4.7	216
562	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	4.7	211
561	An unexpectedly rapid decline in the X-ray afterglow emission of long gamma-ray bursts. *Nature*, **2005**, 436, 985-8	50.4	211
560	JET BREAKS AND ENERGETICS OFSwiftGAMMA-RAY BURST X-RAY AFTERGLOWS. *Astrophysical Journal*, **2009**, 698, 43-74	4.7	210
559	Testing the Standard Fireball Model of Gamma-Ray Bursts Using Late X-Ray Afterglows Measured bySwift. *Astrophysical Journal*, **2007**, 662, 1093-1110	4.7	209
558	Model-independent Multivariable Gamma-Ray Burst Luminosity Indicator and Its Possible Cosmological Implications. *Astrophysical Journal*, **2005**, 633, 611-623	4.7	202
557	SwiftObservations of GRB 070110: An Extraordinary X-Ray Afterglow Powered by the Central Engine. *Astrophysical Journal*, **2007**, 665, 599-607	4.7	197
556	GRB Radiative Efficiencies Derived from theSwiftData: GRBs versus XRFs, Long versus Short. *Astrophysical Journal*, **2007**, 655, 989-1001	4.7	196
555	Flares in Long and Short Gamma-Ray Bursts: A Common Origin in a Hyperaccreting Accretion Disk. *Astrophysical Journal*, **2006**, 636, L29-L32	4.7	192
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553	Panchromatic study of GRB 060124: from precursor to afterglow. *Astronomy and Astrophysics*, **2006** , 456, 917-927	5.1	191
552	A Comprehensive Analysis ofSwiftXRT Data. II. Diverse Physical Origins of the Shallow Decay Segment. *Astrophysical Journal*, **2007**, 670, 565-583	4.7	190
551	A POSSIBLE CONNECTION BETWEEN FAST RADIO BURSTS AND GAMMA-RAY BURSTS. *Astrophysical Journal Letters*, **2014**, 780, L21	7.9	186
550	THE SECOND SWIFT BURST ALERT TELESCOPE GAMMA-RAY BURST CATALOG. *Astrophysical Journal, Supplement Series*, **2011**, 195, 2	8	179
549	IDENTIFICATION AND PROPERTIES OF THE PHOTOSPHERIC EMISSION IN GRB090902B. *Astrophysical Journal Letters*, **2010**, 709, L172-L177	7.9	176
548	The First Survey of X-Ray Flares from Gamma-Ray Bursts Observed bySwift: Temporal Properties and Morphology. *Astrophysical Journal*, **2007**, 671, 1903-1920	4.7	176
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545	GRB 080913 AT REDSHIFT 6.7. *Astrophysical Journal*, **2009**, 693, 1610-1620	4.7	166
544	CONSTRAINING GAMMA-RAY BURST INITIAL LORENTZ FACTOR WITH THE AFTERGLOW ONSET FEATURE AND DISCOVERY OF A TIGHT □-E□soCORRELATION. *Astrophysical Journal*, **2010**, 725, 2209-2224	4.7	164
543	Testing the Curvature Effect and Internal Origin of Gamma-Ray Burst Prompt Emissions and X-Ray Flares withSwiftData. *Astrophysical Journal*, **2006**, 646, 351-357	4.7	162
542	A Comprehensive Analysis ofSwiftXRT Data. III. Jet Break Candidates in X-Ray and Optical Afterglow Light Curves. *Astrophysical Journal*, **2008**, 675, 528-552	4.7	156
541	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	4.3	155
540	Making a Short Gamma-Ray Burst from a Long One: Implications for the Nature of GRB 060614. *Astrophysical Journal*, **2007**, 655, L25-L28	4.7	154
539	High-Energy Spectral Components in Gamma-Ray Burst Afterglows. *Astrophysical Journal*, **2001**, 559, 110-122	4.7	153
538	Full Polar Cap Cascade Scenario: Gamma-Ray and X-Ray Luminosities from Spin-powered Pulsars. *Astrophysical Journal*, **2000**, 532, 1150-1171	4.7	150
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536	THE AFTERGLOWS OFSWIFT-ERA GAMMA-RAY BURSTS. II. TYPE I GRB VERSUS TYPE II GRB OPTICAL AFTERGLOWS. *Astrophysical Journal*, **2011**, 734, 96	4.7	149
535	THE THIRD FERMI GBM GAMMA-RAY BURST CATALOG: THE FIRST SIX YEARS. *Astrophysical Journal, Supplement Series*, **2016**, 223, 28	8	147
534	THE MILLISECOND MAGNETAR CENTRAL ENGINE IN SHORT GRBs. *Astrophysical Journal*, **2015**, 805, 89	4.7	140
533	COSMOLOGICAL IMPLICATIONS OF FAST RADIO BURST/GAMMA-RAY BURST ASSOCIATIONS. *Astrophysical Journal Letters*, **2014**, 783, L35	7.9	140
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531	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	4.3	134
530	EARLY X-RAY AND OPTICAL AFTERGLOW OF GRAVITATIONAL WAVE BURSTS FROM MERGERS OF BINARY NEUTRON STARS. *Astrophysical Journal Letters*, **2013**, 763, L22	7.9	131
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523	Jet Breaks in Short Gamma-Ray Bursts. II. The Collimated Afterglow of GRB 051221A. *Astrophysical Journal*, **2006**, 653, 468-473	4.7	122
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