

# Jochen Greiner

## List of Publications by Year in descending order

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107  
papers

13,728  
citations

46918

47  
h-index

31759

101  
g-index

108  
all docs

108  
docs citations

108  
times ranked

8415  
citing authors

#	ARTICLE	IF	CITATIONS
1	TheSwiftGammaâ€Ray Burst Mission. <i>Astrophysical Journal</i> , 2004, 611, 1005-1020.	1.6	3,117
2	A very energetic supernova associated with the $\hat{\Gamma}^3$ -ray burst of 29 March 2003. <i>Nature</i> , 2003, 423, 847-850.	13.7	1,221
3	THE <i>FERMI</i> GAMMA-RAY BURST MONITOR. <i>Astrophysical Journal</i> , 2009, 702, 791-804.	1.6	1,063
4	A kilonova as the electromagnetic counterpart to a gravitational-wave source. <i>Nature</i> , 2017, 551, 75-79.	13.7	601
5	A $\hat{\Gamma}^3$ -ray burst at a redshift of $z \approx 8.2$ . <i>Nature</i> , 2009, 461, 1254-1257.	13.7	535
6	A PHOTOMETRIC REDSHIFT OF $z \approx 9.4$ FOR GRB 090429B. <i>Astrophysical Journal</i> , 2011, 736, 7.	1.6	352
7	GRONDâ€™a 7-Channel Imager. <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 405-424.	1.0	325
8	An accreting pulsar with extreme properties drives an ultraluminous x-ray source in NGC 5907. <i>Science</i> , 2017, 355, 817-819.	6.0	321
9	THE <i>FERMI</i> GBM GAMMA-RAY BURST SPECTRAL CATALOG: FOUR YEARS OF DATA. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 12.	3.0	279
10	THREE-YEAR <i>SWIFT</i> -BAT SURVEY OF ACTIVE GALACTIC NUCLEI: RECONCILING THEORY AND OBSERVATIONS?. <i>Astrophysical Journal</i> , 2011, 728, 58.	1.6	275
11	THE PAN-STARRS1 DISTANT $z > 5.6$ QUASAR SURVEY: MORE THAN 100 QUASARS WITHIN THE FIRST GYR OF THE UNIVERSE. <i>Astrophysical Journal, Supplement Series</i> , 2016, 227, 11.	3.0	266
12	Discovery of a 0.42-s pulsar in the ultraluminous X-ray source NGC 7793 P13. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 466, L48-L52.	1.2	257
13	A very luminous magnetar-powered supernova associated with an ultra-long $\hat{\Gamma}^3$ -ray burst. <i>Nature</i> , 2015, 523, 189-192.	13.7	233
14	Physical Properties of 15 Quasars at $z \approx 6.5$ . <i>Astrophysical Journal</i> , 2017, 849, 91.	1.6	230
15	THE THIRD <i>FERMI</i> GBM GAMMA-RAY BURST CATALOG: THE FIRST SIX YEARS. <i>Astrophysical Journal, Supplement Series</i> , 2016, 223, 28.	3.0	191
16	The nature of â€œdarkâ€ gamma-ray bursts. <i>Astronomy and Astrophysics</i> , 2011, 526, A30.	2.1	187
17	The 2175 Å... Dust Feature in a Gammaâ€Ray Burst Afterglow at Redshift 2.45. <i>Astrophysical Journal</i> , 2008, 685, 376-383.	1.6	175
18	GRB 080913 AT REDSHIFT 6.7. <i>Astrophysical Journal</i> , 2009, 693, 1610-1620.	1.6	175

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19	THE SECOND <i>FERMI</i> GBM GAMMA-RAY BURST CATALOG: THE FIRST FOUR YEARS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 13.	3.0	172
20	Cosmic X-ray Background and Earth Albedo Spectra with <i>Swift</i> BAT. <i>Astrophysical Journal</i> , 2008, 689, 666-677.	1.6	169
21	THE AFTERGLOW OF GRB 130427A FROM 1 TO 10 <sup>16</sup> GHz. <i>Astrophysical Journal</i> , 2014, 781, 37.	1.6	163
22	THE <i>FERMI</i> GBM GAMMA-RAY BURST SPECTRAL CATALOG: THE FIRST TWO YEARS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 199, 19.	3.0	162
23	THE EVOLUTION OF <i>SWIFT</i> /BAT BLAZARS AND THE ORIGIN OF THE MeV BACKGROUND. <i>Astrophysical Journal</i> , 2009, 699, 603-625.	1.6	161
24	GRB hosts through cosmic time. <i>Astronomy and Astrophysics</i> , 2015, 581, A125.	2.1	149
25	The THESEUS space mission concept: science case, design and expected performances. <i>Advances in Space Research</i> , 2018, 62, 191-244.	1.2	133
26	The Environment of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 848, L28.	3.0	114
27	Evolution of the polarization of the optical afterglow of the $\hat{\nu}$ -ray burst GRB030329. <i>Nature</i> , 2003, 426, 157-159.	13.7	106
28	Early <sup>56</sup> Ni decay gamma rays from SN2014J suggest an unusual explosion. <i>Science</i> , 2014, 345, 1162-1165.	6.0	104
29	THE <i>FERMI</i> GBM GAMMA-RAY BURST CATALOG: THE FIRST TWO YEARS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 199, 18.	3.0	100
30	Optical and near-infrared follow-up observations of four <i>Fermi</i> /LAT GRBs: redshifts, afterglows, energetics, and host galaxies. <i>Astronomy and Astrophysics</i> , 2010, 516, A71.	2.1	96
31	The redshift and afterglow of the extremely energetic gamma-ray burst GRB 080916C. <i>Astronomy and Astrophysics</i> , 2009, 498, 89-94.	2.1	92
32	TIME-RESOLVED ANALYSIS OF <i>FERMI</i> GAMMA-RAY BURSTS WITH FAST- AND SLOW-COOLED SYNCHROTRON PHOTON MODELS. <i>Astrophysical Journal</i> , 2014, 784, 17.	1.6	83
33	Circular polarization in the optical afterglow of GRB 121024A. <i>Nature</i> , 2014, 509, 201-204.	13.7	82
34	The <i>Fermi</i> GBM gamma-ray burst time-resolved spectral catalog: brightest bursts in the first four years. <i>Astronomy and Astrophysics</i> , 2016, 588, A135.	2.1	80
35	LOCALIZATION OF GAMMA-RAY BURSTS USING THE <i>FERMI</i> GAMMA-RAY BURST MONITOR. <i>Astrophysical Journal, Supplement Series</i> , 2015, 216, 32.	3.0	75
36	Kinematics of massive star ejecta in the Milky Way as traced by <sup>26</sup> Al. <i>Astronomy and Astrophysics</i> , 2013, 559, A99.	2.1	73

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37	Positron annihilation signatures associated with the outburst of the microquasar V404 Cygni. <i>Nature</i> , 2016, 531, 341-343.	13.7	72
38	New light on gamma-ray burst host galaxies with <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2014, 565, A112.	2.1	70
39	Probing a Gamma-Ray Burst Progenitor at a Redshift of $z=2$ : A Comprehensive Observing Campaign of the Afterglow of GRB 030226. <i>Astronomical Journal</i> , 2004, 128, 1942-1954.	1.9	69
40	Ground-based calibration and characterization of the Fermi gamma-ray burst monitor detectors. <i>Experimental Astronomy</i> , 2009, 24, 47-88.	1.6	68
41	Gamma-ray bursts as cool synchrotron sources. <i>Nature Astronomy</i> , 2020, 4, 174-179.	4.2	68
42	ON THE FERMI-GBM EVENT 0.4 s AFTER GW150914. <i>Astrophysical Journal Letters</i> , 2016, 827, L38.	3.0	66
43	SN2014J gamma rays from the $^{56}\text{Ni}$ decay chain. <i>Astronomy and Astrophysics</i> , 2015, 574, A72.	2.1	64
44	Massive stars formed in atomic hydrogen reservoirs: <i>Hubble</i> observations of gamma-ray burst host galaxies. <i>Astronomy and Astrophysics</i> , 2015, 582, A78.	2.1	55
45	Detailed optical and near-infrared polarimetry, spectroscopy and broad-band photometry of the afterglow of GRB 091018: polarization evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 2-22.	1.6	52
46	GAMMA-RAY BURSTS TRACE UV METRICS OF STAR FORMATION OVER $3 < z < 5$ . <i>Astrophysical Journal</i> , 2015, 809, 76.	1.6	50
47	GRIPS - Gamma-Ray Imaging, Polarimetry and Spectroscopy. <i>Experimental Astronomy</i> , 2012, 34, 551-582.	1.6	48
48	Photometric redshifts for gamma-ray burst afterglows from GROND and <i>Swift</i> /UVOT. <i>Astronomy and Astrophysics</i> , 2011, 526, A153.	2.1	47
49	$^{26}\text{Al}$ kinematics: superbubbles following the spiral arms?. <i>Astronomy and Astrophysics</i> , 2015, 578, A113.	2.1	45
50	The complex light curve of the afterglow of GRB071010A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 347-356.	1.6	44
51	CONSTRAINTS ON THE SYNCHROTRON SHOCK MODEL FOR THE <i>FERMI</i> GRB 090820A OBSERVED BY GAMMA-RAY BURST MONITOR. <i>Astrophysical Journal</i> , 2011, 741, 24.	1.6	43
52	<i>Fermi</i> /GBM observations of the ultra-long GRB 091024. <i>Astronomy and Astrophysics</i> , 2011, 528, A15.	2.1	43
53	Multi-color observations of short GRB afterglows: 20 events observed between 2007 and 2010. <i>Astronomy and Astrophysics</i> , 2012, 548, A101.	2.1	43
54	INTEGRAL/SPI $\gamma$ -ray line spectroscopy. <i>Astronomy and Astrophysics</i> , 2018, 611, A12.	2.1	41

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55	ISM Studies of GRB 030329 with High-Resolution Spectroscopy. <i>Astrophysical Journal</i> , 2007, 671, 628-636.	1.6	39
56	BAT X-Ray Survey. I. Methodology and X-Ray Identification. <i>Astrophysical Journal</i> , 2008, 678, 102-115.	1.6	38
57	The sharpness of gamma-ray burst prompt emission spectra. <i>Astronomy and Astrophysics</i> , 2015, 583, A129.	2.1	37
58	Time-resolved GRB polarization with POLAR and GBM. <i>Astronomy and Astrophysics</i> , 2019, 627, A105.	2.1	35
59	Very fast optical flaring from a possible new Galactic magnetar. <i>Nature</i> , 2008, 455, 503-505.	13.7	34
60	The POLAR gamma-ray burst polarization catalog. <i>Astronomy and Astrophysics</i> , 2020, 644, A124.	2.1	34
61	Gamma-ray burst investigation via polarimetry and spectroscopy (GRIPS). <i>Experimental Astronomy</i> , 2009, 23, 91-120.	1.6	32
62	Rest-frame properties of 32 gamma-ray bursts observed by the <i>Fermi</i> Gamma-ray Burst Monitor. <i>Astronomy and Astrophysics</i> , 2011, 531, A20.	2.1	32
63	Constraining the GRB collimation with a survey for orphan afterglows. <i>Astronomy and Astrophysics</i> , 2006, 449, 79-88.	2.1	32
64	Probing dust-obscured star formation in the most massive gamma-ray burst host galaxies. <i>Astronomy and Astrophysics</i> , 2016, 593, A17.	2.1	28
65	GROND coverage of the main peak of gamma-ray burst 130925A. <i>Astronomy and Astrophysics</i> , 2014, 568, A75.	2.1	27
66	Synchrotron cooling in energetic gamma-ray bursts observed by the <i>Fermi</i> Gamma-Ray Burst Monitor. <i>Astronomy and Astrophysics</i> , 2015, 573, A81.	2.1	26
67	Background modelling for $\gamma$ -ray spectroscopy with INTEGRAL/SPI. <i>Astronomy and Astrophysics</i> , 2019, 626, A73.	2.1	26
68	FIRST-YEAR RESULTS OF BROADBAND SPECTROSCOPY OF THE BRIGHTEST <i>Fermi</i> -GBM GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2011, 733, 97.	1.6	25
69	Long optical plateau in the afterglow of the short GRB 150424A with extended emission. <i>Astronomy and Astrophysics</i> , 2017, 607, A84.	2.1	25
70	Awakening the BALROG: BAYesian Location Reconstruction Of GRBs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1427-1444.	1.6	25
71	BZ <i>Camelopardalis</i> during its 1999/2000 optical low state. <i>Astronomy and Astrophysics</i> , 2001, 376, 1031-1038.	2.1	23
72	Deep ATCA and VLA Radio Observations of Short-GRB Host Galaxies. Constraints on Star Formation Rates, Afterglow Flux, and Kilonova Radio Flares. <i>Astrophysical Journal</i> , 2019, 887, 206.	1.6	23

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73	The environment of the SN-less GRB 111005A at $z = 0.0133$ . <i>Astronomy and Astrophysics</i> , 2018, 615, A136.	2.1	22
74	GRB 020813: Polarization in the case of a smooth optical decay. <i>Astronomy and Astrophysics</i> , 2004, 422, 113-119.	2.1	22
75	Improved Fermi-GBM GRB Localizations Using BALROG. <i>Astrophysical Journal</i> , 2019, 873, 60.	1.6	19
76	Constraints on an Optical Afterglow and on Supernova Light Following the Short Burst GRB 050813. <i>Astronomical Journal</i> , 2007, 134, 2118-2123.	1.9	18
77	Prompt emission of GRB 121217A from gamma-rays to the near-infrared. <i>Astronomy and Astrophysics</i> , 2014, 562, A100.	2.1	16
78	First Results of GROND. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	15
79	A Supernova Candidate at $z = 0.092$ in XMM-Newton Archival Data. <i>Astrophysical Journal</i> , 2020, 898, 37.	1.6	15
80	A physical background model for the Fermi Gamma-ray Burst Monitor. <i>Astronomy and Astrophysics</i> , 2020, 640, A8.	2.1	14
81	The EXTras project: Exploring the X-ray transient and variable sky. <i>Astronomy and Astrophysics</i> , 2021, 650, A167.	2.1	13
82	Prospects for multiwavelength polarization observations of GRB afterglows and the case GRB 030329. <i>Astronomy and Astrophysics</i> , 2004, 420, 899-903.	2.1	13
83	PROBING THE TRANSITION BETWEEN THE SYNCHROTRON AND INVERSE-COMPTON SPECTRAL COMPONENTS OF 1ES 1959+650. <i>Astrophysical Journal Letters</i> , 2010, 719, L162-L166.	3.0	12
84	V751 Cyg and V Sge as transient supersoft X-ray sources. <i>New Astronomy Reviews</i> , 2000, 44, 149-154.	5.2	9
85	ANOTHER SHORT-BURST HOST GALAXY WITH AN OPTICALLY OBSCURED HIGH STAR FORMATION RATE: THE CASE OF GRB 071227. <i>Astrophysical Journal</i> , 2014, 789, 45.	1.6	9
86	A Bayesian Fermi-GBM short GRB spectral catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 927-946.	1.6	9
87	GRB Polarimetry with POET. , 2009, , .		8
88	Resonant absorption troughs in the gamma-ray spectra of QSO. <i>Astronomy and Astrophysics</i> , 2005, 436, 763-784.	2.1	8
89	On the relation between supersoft X-ray sources and VY Scl stars: The cases of V504 Cen and VY Scl. <i>Astronomische Nachrichten</i> , 2010, 331, 227-230.	0.6	7
90	The Peculiar Physics of GRB 170817A and Their Implications for Short GRBs. <i>Astrophysical Journal Letters</i> , 2017, 851, L19.	3.0	7

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91	nazgul: A statistical approach to gamma-ray burst localization. <i>Astronomy and Astrophysics</i> , 2021, 654, A26.	2.1	7
92	Instrument Response Modeling and Simulation for the GLAST Burst Monitor. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	6
93	The Benefit of Simultaneous Seven-filter Imaging: 10 Years of GROND Observations. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 015002.	1.0	5
94	Nuclear astrophysics capabilities of the GRIPS telescope. <i>New Astronomy Reviews</i> , 2008, 52, 431-435.	5.2	4
95	Identifying the host galaxy of the short GRB 100628A. <i>Astronomy and Astrophysics</i> , 2015, 583, A88.	2.1	4
96	The host galaxy of the short GRB 050709. <i>Astronomy and Astrophysics</i> , 2021, 650, A117.	2.1	4
97	Gamma-ray absorption method (GRAM) application to the identification of EGRET unidentified sources. <i>Astronomy and Astrophysics</i> , 2007, 468, 919-926.	2.1	3
98	Viewing Short Gamma-Ray Bursts From a Different Angle. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, .	1.1	3
99	Quasar clustering at redshift 6. <i>Astronomy and Astrophysics</i> , 2021, 654, A79.	2.1	3
100	A novel compact 4-channel beam splitter based on a KÅrsters-type prism. <i>CEAS Space Journal</i> , 2022, 14, 253-260.	1.1	3
101	Expected Performance of the GLAST Burst Monitor. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	2
102	The multi-wavelength context in 2015 and beyond. <i>Comptes Rendus Physique</i> , 2011, 12, 226-233.	0.3	1
103	Improving INTEGRAL/SPI data analysis of GRBs. <i>Astronomy and Astrophysics</i> , 2022, 663, A102.	2.1	1
104	A XMM-Newton Observation of Nova LMC 1995. <i>AIP Conference Proceedings</i> , 2002, , .	0.3	0
105	Polarization detection capability of GRIPS. , 2010, , 327-332.		0
106	Multiband Transit Light Curve Modeling of WASP-4. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 141-142.	0.0	0
107	Half-a-century of gamma-ray astrophysics at the Max-Planck Institute for Extraterrestrial Physics. <i>European Physical Journal H</i> , 2021, 46, 1.	0.5	0