

# 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	A novel compact 4-channel beam splitter based on a KÅsters-type prism. CEAS Space Journal, 2022, 14, 253-260.	1.1	3
2	Improving INTEGRAL/SPI data analysis of GRBs. Astronomy and Astrophysics, 2022, 663, A102.	2.1	1
3	The EXTraS project: Exploring the X-ray transient and variable sky. Astronomy and Astrophysics, 2021, 650, A167.	2.1	13
4	The host galaxy of the short GRB 050709. Astronomy and Astrophysics, 2021, 650, A117.	2.1	4
5	nazgul: A statistical approach to gamma-ray burst localization. Astronomy and Astrophysics, 2021, 654, A26.	2.1	7
6	Quasar clustering at redshift 6. Astronomy and Astrophysics, 2021, 654, A79.	2.1	3
7	Half-a-century of gamma-ray astrophysics at the Max-Planck Institute for Extraterrestrial Physics. European Physical Journal H, 2021, 46, 1.	0.5	0
8	Gamma-ray bursts as cool synchrotron sources. Nature Astronomy, 2020, 4, 174-179.	4.2	68
9	Viewing Short Gamma-Ray Bursts From a Different Angle. Frontiers in Astronomy and Space Sciences, 2020, 7, .	1.1	3
10	A physical background model for the <i>Fermi</i> Gamma-ray Burst Monitor. Astronomy and Astrophysics, 2020, 640, A8.	2.1	14
11	The POLAR gamma-ray burst polarization catalog. Astronomy and Astrophysics, 2020, 644, A124.	2.1	34
12	A Supernova Candidate at $z=0.092$ in XMMâ€“Newton Archival Data. Astrophysical Journal, 2020, 898, 37.	1.6	15
13	A Bayesian Fermi-GBM short GRB spectral catalogue. Monthly Notices of the Royal Astronomical Society, 2019, 490, 927-946.	1.6	9
14	Improved Fermi-GBM GRB Localizations Using BALROG. Astrophysical Journal, 2019, 873, 60.	1.6	19
15	The Benefit of Simultaneous Seven-filter Imaging: 10 Years of GROND Observations. Publications of the Astronomical Society of the Pacific, 2019, 131, 015002.	1.0	5
16	Time-resolved GRB polarization with POLAR and GBM. Astronomy and Astrophysics, 2019, 627, A105.	2.1	35
17	Background modelling for <i>Î³</i>-ray spectroscopy with INTEGRAL/SPI. Astronomy and Astrophysics, 2019, 626, A73.	2.1	26
18	Deep ATCA and VLA Radio Observations of Short-GRB Host Galaxies. Constraints on Star Formation Rates, Afterglow Flux, and Kilonova Radio Flares. Astrophysical Journal, 2019, 887, 206.	1.6	23

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19	Awakening the BALROG: BAYesian Location Reconstruction Of GRBs. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1427-1444.	1.6	25
20	INTEGRAL/SPI $\gamma$ -ray line spectroscopy. Astronomy and Astrophysics, 2018, 611, A12.	2.1	41
21	The THESEUS space mission concept: science case, design and expected performances. Advances in Space Research, 2018, 62, 191-244.	1.2	133
22	The environment of the SN-less GRB 111005A at $z = 0.0133$ . Astronomy and Astrophysics, 2018, 615, A136.	2.1	22
23	An accreting pulsar with extreme properties drives an ultraluminous x-ray source in NGC 5907. Science, 2017, 355, 817-819.	6.0	321
24	A kilonova as the electromagnetic counterpart to a gravitational-wave source. Nature, 2017, 551, 75-79.	13.7	601
25	The Environment of the Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 848, L28.	3.0	114
26	Discovery of a 0.42-s pulsar in the ultraluminous X-ray source NGC 7793 P13. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 466, L48-L52.	1.2	257
27	The Peculiar Physics of GRB 170817A and Their Implications for Short GRBs. Astrophysical Journal Letters, 2017, 851, L19.	3.0	7
28	Physical Properties of 15 Quasars at $z \approx 6.5$ . Astrophysical Journal, 2017, 849, 91.	1.6	230
29	Long optical plateau in the afterglow of the short GRB 150424A with extended emission. Astronomy and Astrophysics, 2017, 607, A84.	2.1	25
30	The Fermi-GBM gamma-ray burst time-resolved spectral catalog: brightest bursts in the first four years. Astronomy and Astrophysics, 2016, 588, A135.	2.1	80
31	THE THIRD FERMI GBM GAMMA-RAY BURST CATALOG: THE FIRST SIX YEARS. Astrophysical Journal, Supplement Series, 2016, 223, 28.	3.0	191
32	ON THE FERMI-GBM EVENT 0.4 s AFTER GW150914. Astrophysical Journal Letters, 2016, 827, L38.	3.0	66
33	THE PAN-STARRS1 DISTANT $z > 5.6$ QUASAR SURVEY: MORE THAN 100 QUASARS WITHIN THE FIRST GYR OF THE UNIVERSE. Astrophysical Journal, Supplement Series, 2016, 227, 11.	3.0	266
34	Probing dust-obscured star formation in the most massive gamma-ray burst host galaxies. Astronomy and Astrophysics, 2016, 593, A17.	2.1	28
35	Positron annihilation signatures associated with the outburst of the microquasar V404 Cygni. Nature, 2016, 531, 341-343.	13.7	72
36	GAMMA-RAY BURSTS TRACE UV METRICS OF STAR FORMATION OVER $3 < z < 5$ . Astrophysical Journal, 2015, 809, 76.	1.6	50

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37	Identifying the host galaxy of the short GRB 100628A. <i>Astronomy and Astrophysics</i> , 2015, 583, A88.	2.1	4
38	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
39	The sharpness of gamma-ray burst prompt emission spectra. <i>Astronomy and Astrophysics</i> , 2015, 583, A129.	2.1	37
40	SN2014J gamma rays from the $^{56}\text{Ni}$ decay chain. <i>Astronomy and Astrophysics</i> , 2015, 574, A72.	2.1	64
41	$^{26}\text{Al}$ kinematics: superbubbles following the spiral arms?. <i>Astronomy and Astrophysics</i> , 2015, 578, A113.	2.1	45
42	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
43	A very luminous magnetar-powered supernova associated with an ultra-long $\hat{\gamma}$ -ray burst. <i>Nature</i> , 2015, 523, 189-192.	13.7	233
44	GRB hosts through cosmic time. <i>Astronomy and Astrophysics</i> , 2015, 581, A125.	2.1	149
45	Massive stars formed in atomic hydrogen reservoirs: $\text{H}\alpha$ observations of gamma-ray burst host galaxies. <i>Astronomy and Astrophysics</i> , 2015, 582, A78.	2.1	55
46	GROND coverage of the main peak of gamma-ray burst 130925A. <i>Astronomy and Astrophysics</i> , 2014, 568, A75.	2.1	27
47	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
48	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
49	THE AFTERGLOW OF GRB 130427A FROM 1 TO 10 $^{16}\text{GHz}$ . <i>Astrophysical Journal</i> , 2014, 781, 37.	1.6	163
50	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
51	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
52	Circular polarization in the optical afterglow of GRB 121024A. <i>Nature</i> , 2014, 509, 201-204.	13.7	82
53	Early $^{56}\text{Ni}$ decay gamma rays from SN2014J suggest an unusual explosion. <i>Science</i> , 2014, 345, 1162-1165.	6.0	104
54	Prompt emission of GRB 121217A from gamma-rays to the near-infrared. <i>Astronomy and Astrophysics</i> , 2014, 562, A100.	2.1	16

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55	New light on gamma-ray burst host galaxies with <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2014, 565, A112.	2.1	70
56	Kinematics of massive star ejecta in the Milky Way as traced by $^{26}\text{Al}$ . <i>Astronomy and Astrophysics</i> , 2013, 559, A99.	2.1	73
57	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
58	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
59	GRIPS - Gamma-Ray Imaging, Polarimetry and Spectroscopy. <i>Experimental Astronomy</i> , 2012, 34, 551-582.	1.6	48
60	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
61	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
62	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
63	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
64	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
65	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
66	Multiband Transit Light Curve Modeling of WASP-4. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 141-142.	0.0	0
67	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
68	A PHOTOMETRIC REDSHIFT OF $z \approx 9.4$ FOR GRB 090429B. <i>Astrophysical Journal</i> , 2011, 736, 7.	1.6	352
69	The nature of $\bar{\nu}_e$ -gamma-ray bursts. <i>Astronomy and Astrophysics</i> , 2011, 526, A30.	2.1	187
70	<i>Fermi</i> /GBM observations of the ultra-long GRB 091024. <i>Astronomy and Astrophysics</i> , 2011, 528, A15.	2.1	43
71	The multi-wavelength context in 2015 and beyond. <i>Comptes Rendus Physique</i> , 2011, 12, 226-233.	0.3	1
72	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

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73	Polarization detection capability of GRIPS. , 2010, , 327-332.		0
74	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
75	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
76	GRB 080913 AT REDSHIFT 6.7. <i>Astrophysical Journal</i> , 2009, 693, 1610-1620.	1.6	175
77	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
78	GRB Polarimetry with POET. , 2009, , .		8
79	Gamma-ray burst investigation via polarimetry and spectroscopy (GRIPS). <i>Experimental Astronomy</i> , 2009, 23, 91-120.	1.6	32
80	Ground-based calibration and characterization of the Fermi gamma-ray burst monitor detectors. <i>Experimental Astronomy</i> , 2009, 24, 47-88.	1.6	68
81	A $\gamma$ -ray burst at a redshift of $z \approx 8.2$ . <i>Nature</i> , 2009, 461, 1254-1257.	13.7	535
82	THE <i>FERMI</i> GAMMA-RAY BURST MONITOR. <i>Astrophysical Journal</i> , 2009, 702, 791-804.	1.6	1,063
83	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
84	Nuclear astrophysics capabilities of the GRIPS telescope. <i>New Astronomy Reviews</i> , 2008, 52, 431-435.	5.2	4
85	Very fast optical flaring from a possible new Galactic magnetar. <i>Nature</i> , 2008, 455, 503-505.	13.7	34
86	The complex light curve of the afterglow of GRB071010A <sup>1</sup> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 347-356.	1.6	44
87	GRONDâ€™s 7-Channel Imager. <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 405-424.	1.0	325
88	First Results of GROND. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	15
89	Expected Performance of the GLAST Burst Monitor. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	2
90	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

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91	BAT X-ray Survey. I. Methodology and X-ray Identification. <i>Astrophysical Journal</i> , 2008, 678, 102-115.	1.6	38
92	Cosmic X-ray Background and Earth Albedo Spectra with <i>Swift</i> BAT. <i>Astrophysical Journal</i> , 2008, 689, 666-677.	1.6	169
93	Instrument Response Modeling and Simulation for the GLAST Burst Monitor. AIP Conference Proceedings, 2007, , .	0.3	6
94	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
95	ISM Studies of GRB 030329 with High-Resolution Spectroscopy. <i>Astrophysical Journal</i> , 2007, 671, 628-636.	1.6	39
96	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
97	Constraining the GRB collimation with a survey for orphan afterglows. <i>Astronomy and Astrophysics</i> , 2006, 449, 79-88.	2.1	32
98	Resonant absorption troughs in the gamma-ray spectra of QSO. <i>Astronomy and Astrophysics</i> , 2005, 436, 763-784.	2.1	8
99	The <i>Swift</i> Gamma-ray Burst Mission. <i>Astrophysical Journal</i> , 2004, 611, 1005-1020.	1.6	3,117
100	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
101	GRB 020813: Polarization in the case of a smooth optical decay. <i>Astronomy and Astrophysics</i> , 2004, 422, 113-119.	2.1	22
102	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
103	A very energetic supernova associated with the $\hat{\gamma}$ -ray burst of 29 March 2003. <i>Nature</i> , 2003, 423, 847-850.	13.7	1,221
104	Evolution of the polarization of the optical afterglow of the $\hat{\gamma}$ -ray burst GRB030329. <i>Nature</i> , 2003, 426, 157-159.	13.7	106
105	A XMM-Newton Observation of Nova LMC 1995. AIP Conference Proceedings, 2002, , .	0.3	0
106	BZ Camelopardalis during its 1999/2000 optical low state. <i>Astronomy and Astrophysics</i> , 2001, 376, 1031-1038.	2.1	23
107	V751 Cyg and V Sge as transient supersoft X-ray sources. <i>New Astronomy Reviews</i> , 2000, 44, 149-154.	5.2	9