

Paz Beniamini

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,324
citations

159585

30
h-index

214800

47
g-index

61
all docs

61
docs citations

61
times ranked

2275
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutron star mergers as sites of r-process nucleosynthesis and short gamma-ray bursts. <i>International Journal of Modern Physics D</i> , 2018, 27, 1842005.	2.1	129
2	Formation of double neutron star systems as implied by observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 4089-4099.	4.4	110
3	Implications of a Fast Radio Burst from a Galactic Magnetar. <i>Astrophysical Journal Letters</i> , 2020, 899, L27.	8.3	106
4	Energies of GRB blast waves and prompt efficiencies as implied by modelling of X-ray and GeV afterglows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1073-1085.	4.4	104
5	Effects of Fallback Accretion on Protomagnetar Outflows in Gamma-Ray Bursts and Superluminous Supernovae. <i>Astrophysical Journal</i> , 2018, 857, 95.	4.5	82
6	Formation rates and evolution histories of magnetars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1426-1438.	4.4	74
7	A lesson from GW170817: most neutron star mergers result in tightly collimated successful GRB jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 840-851.	4.4	71
8	CONSTRAINTS ON THE SYNCHROTRON EMISSION MECHANISM IN GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2013, 769, 69.	4.5	68
9	Periodicity in recurrent fast radio bursts and the origin of ultralong period magnetars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 3390-3401.	4.4	68
10	NATAL KICKS AND TIME DELAYS IN MERGING NEUTRON STAR BINARIES: IMPLICATIONS FOR r-PROCESS NUCLEOSYNTHESIS IN ULTRA-FAINT DWARFS AND IN THE MILKY WAY. <i>Astrophysical Journal Letters</i> , 2016, 829, L13.	8.3	64
11	A revised analysis of gamma-ray bursts' prompt efficiencies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 51-59.	4.4	63
12	Afterglow light curves from misaligned structured jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3521-3534.	4.4	63
13	r-PROCESS PRODUCTION SITES AS INFERRED FROM Eu ABUNDANCES IN DWARF GALAXIES. <i>Astrophysical Journal</i> , 2016, 832, 149.	4.5	62
14	Electrons' energy in GRB afterglows implied by radio peaks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3161-3168.	4.4	60
15	The Gravitational waves merger time distribution of binary neutron star systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4847-4854.	4.4	59
16	Periodic Fast Radio Bursts from Luminous X-ray Binaries. <i>Astrophysical Journal</i> , 2021, 917, 13.	4.5	55
17	Observational constraints on the structure of gamma-ray burst jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 5430-5440.	4.4	53
18	X-ray plateaus in gamma-ray bursts' light curves from jets viewed slightly off-axis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2847-2857.	4.4	52

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19	Prompt gamma-ray burst emission from gradual magnetic dissipation. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3202-3211.	4.4	51
20	The emission mechanism in magnetically dominated gamma-ray burst outflows. Monthly Notices of the Royal Astronomical Society, 2014, 445, 3892-3907.	4.4	48
21	Synchrotron Self-Compton as a Likely Mechanism of Photons beyond the Synchrotron Limit in GRB 190114C. Astrophysical Journal, 2019, 883, 162.	4.5	46
22	On the formation of GW190814. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1817-1832.	4.4	46
23	The Fast Radio Burst Luminosity Function and Death Line in the Low-twist Magnetar Model. Astrophysical Journal, 2020, 891, 82.	4.5	43
24	Properties of GRB light curves from magnetic reconnection. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3635-3658.	4.4	40
25	Marginally fast cooling synchrotron models for prompt GRBs. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1785-1795.	4.4	38
26	Constraints on millisecond magnetars as the engines of prompt emission in gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3058-3073.	4.4	37
27	Faraday depolarization and induced circular polarization by multipath propagation with application to FRBs. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4654-4668.	4.4	37
28	Observable features of GW170817 kilonova afterglow. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3914-3921.	4.4	35
29	On the Origin of the Multi-GeV Photons from the Closest Burst with Intermediate Luminosity: GRB 190829A. Astrophysical Journal, 2021, 918, 12.	4.5	32
30	Dark passengers... in stellar surveys. Monthly Notices of the Royal Astronomical Society, 2018, 481, 930-937.	4.4	31
31	What does FRB light-curve variability tell us about the emission mechanism?. Monthly Notices of the Royal Astronomical Society, 2020, 498, 651-664.	4.4	31
32	Implications of a rapidly varying FRB in a globular cluster of M81. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1867-1879.	4.4	31
33	Retention of r-process material in dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1994-2005.	4.4	29
34	Short gamma-ray bursts within 200 Mpc. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5011-5022.	4.4	29
35	What can we learn from "internal plateaus"? The peculiar afterglow of GRB 070110. Astronomy and Astrophysics, 2017, 605, A60.	5.1	28
36	GRB Fermi-LAT Afterglows: Explaining Flares, Breaks, and Energetic Photons. Astrophysical Journal, 2020, 905, 112.	4.5	28

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37	Limits on the GeV emission from gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2011, 416, 3089-3097.	4.4	26
38	Constraints on the circumburst environments of short gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4782-4799.	4.4	26
39	Ready, Set, Launch: Time Interval between a Binary Neutron Star Merger and Short Gamma-Ray Burst Jet Formation. Astrophysical Journal Letters, 2020, 895, L33.	8.3	26
40	ZTF20aajnksq (AT 2020blt): A Fast Optical Transient at $z \approx 2.9$ with No Detected Gamma-Ray Burst Counterpart. Astrophysical Journal, 2020, 905, 98.	4.5	24
41	X-ray flares in GRBs: general considerations and photospheric origin. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 457, L108-L112.	3.3	23
42	Turbulent mixing of r-process elements in the Milky Way. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1891-1901.	4.4	22
43	Exploring the epoch of hydrogen reionization using FRBs. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5134-5146.	4.4	21
44	The Mouse Pulsar Wind Nebula. Astrophysical Journal, 2018, 861, 5.	4.5	16
45	No velocity-kicks are required to explain large-distance offsets of Ca-rich supernovae and short-GRBs. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5997-6004.	4.4	16
46	Evidence of Extended Emission in GRB 181123B and Other High-redshift Short GRBs. Astrophysical Journal Letters, 2021, 911, L28.	8.3	15
47	GRB spectrum from gradual dissipation in a magnetized outflow. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1356-1372.	4.4	13
48	Evidence for r-process Delay in Very Metal-poor Stars. Astrophysical Journal Letters, 2021, 913, L30.	8.3	12
49	Survival Times of Supramassive Neutron Stars Resulting from Binary Neutron Star Mergers. Astrophysical Journal, 2021, 920, 109.	4.5	12
50	Modelling synchrotron self-Compton and Klein-Nishina effects in gamma-ray burst afterglows. Monthly Notices of the Royal Astronomical Society, 2021, 504, 528-542.	4.4	11
51	Robust features of off-axis gamma-ray burst afterglow light curves. Monthly Notices of the Royal Astronomical Society, 2022, 515, 555-570.	4.4	11
52	Evolution of the Extended X-Ray Emission from the PSR B1259-63/LS 2883 Binary in the 2014-2017 Binary Cycle. Astrophysical Journal, 2019, 882, 74.	4.5	10
53	Flares in gamma-ray burst X-ray afterglows as prompt emission from slightly misaligned structured jets. Monthly Notices of the Royal Astronomical Society, 2022, 513, 951-963.	4.4	10
54	Compton echoes from nearby gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2018, 476, 5621-5628.	4.4	5

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55	Probing binary neutron star mergers in dense environments using afterglow counterparts. <i>Astronomy and Astrophysics</i> , 2020, 639, A15.	5.1	5
56	A Toy Model for the Time-Frequency Structure of Fast Radio Bursts: Implications for the CHIME/FRB Burst Dichotomy. <i>Astrophysical Journal</i> , 2022, 925, 135.	4.5	5
57	Supernovae-generated high-velocity compact clouds. <i>Astronomy and Astrophysics</i> , 2018, 612, L9.	5.1	4
58	Discovery and Identification of MAXI J1621-501 as a Type I X-Ray Burster with a Super-orbital Period. <i>Astrophysical Journal</i> , 2019, 884, 168.	4.5	4
59	Deciphering the properties of the central engine in GRB collapsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 2910-2921.	4.4	4
60	Charge Acceleration and Field-Lines Curvature: A Fundamental Symmetry and Consequent Asymmetries. , 2011, , .		0
61	Plug Disintegration in GRB Jet Eruption. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	0