

En-Wei Liang

List of Publications by Year in descending order

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papers

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112
times ranked

2169
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of accretion flow and magnetic charge on the observed shadows and rings of the Hayward black hole. <i>Physical Review D</i> , 2022, 105, .	4.7	31
2	TeV and keV–MeV Excesses as Probes for Hadronic Process in BL Lacertae. <i>Astrophysical Journal Letters</i> , 2022, 925, L19.	8.3	1
3	Diffuse GeV emission in the field of HESS J1912+101 revisited. <i>Astronomy and Astrophysics</i> , 2022, 659, A83.	5.1	4
4	Constraints on ultracompact minihalos from the extragalactic gamma-ray background observation. <i>Physical Review D</i> , 2022, 105, .	4.7	4
5	Using the Optical–NIR Spectral Energy Distributions to Search for the Evidence of Dust Formation of 66 Supernovae. <i>Astrophysical Journal</i> , 2022, 928, 77.	4.5	3
6	GeV β -Ray Emission of Compact Steep-spectrum Source 4C +39.23B. <i>Astrophysical Journal</i> , 2022, 927, 221.	4.5	4
7	A Channel to Form Fast-spinning Black Hole–Neutron Star Binary Mergers as Multimessenger Sources. <i>Astrophysical Journal</i> , 2022, 928, 163.	4.5	17
8	GRB 190530A: From Precursor, Prompt Emission to Afterglow all Originated from Synchrotron Radiation. <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 065002.	1.7	3
9	Early evolution of a newborn magnetar with strong precession motion in GRB 180620A. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2022, 513, L89-L93.	3.3	3
10	Search for gamma-ray line signals around the black hole at the galactic center with DAMPE observation. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, .	5.1	5
11	Gravitational-wave evolution of newborn magnetars with different deformed structures. <i>Physical Review D</i> , 2022, 105, .	4.7	2
12	Modeling the Multiband Light Curves of the Afterglows of Three Gamma-Ray Bursts and their Associated Supernovae. <i>Astrophysical Journal</i> , 2022, 931, 90.	4.5	1
13	GRB 211227A as a Peculiar Long Gamma-Ray Burst from a Compact Star Merger. <i>Astrophysical Journal Letters</i> , 2022, 931, L23.	8.3	20
14	Radioactively Powered Gamma-Ray Transient Associated with a Kilonova from Neutron Star Merger. <i>Astrophysical Journal Letters</i> , 2022, 932, L7.	8.3	5
15	Distinct Thermal Emission from GRB 190109A. <i>Astrophysical Journal</i> , 2022, 932, 69.	4.5	1
16	Observation of the Crab Nebula with LHAASO-KM2A – a performance study *. <i>Chinese Physics C</i> , 2021, 45, 025002.	3.7	67
17	Very-high-energy Emission and Cascade Radiation of Gamma-Ray Burst Afterglows: Homogeneous versus Wind External Media. <i>Astrophysical Journal</i> , 2021, 908, 225.	4.5	7
18	Detectability of –Merger-nova–Emission from a Long-lived Magnetar in Short Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2021, 912, 14.	4.5	7

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19	Electron Spectrum for the Prompt Emission of Gamma-Ray Bursts in the Synchrotron Radiation Scenario. <i>Astrophysical Journal</i> , 2021, 911, 13.	4.5	1
20	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 $\hat{\text{b}}^3$ -ray Galactic sources. <i>Nature</i> , 2021, 594, 33-36.	27.8	262
21	The Study of Dust Formation of Four Type Icn Supernovae. <i>Astrophysical Journal</i> , 2021, 914, 125.	4.5	6
22	Peta-electron volt gamma-ray emission from the Crab Nebula. <i>Science</i> , 2021, 373, 425-430.	12.6	86
23	Simulation and photoelectron track reconstruction of soft X-ray polarimeter. <i>Nuclear Science and Techniques/Hewuli</i> , 2021, 32, 1.	3.4	11
24	Nearby SN-associated GRB 190829A: Environment, Jet Structure, and VHE Gamma-Ray Afterglows. <i>Astrophysical Journal</i> , 2021, 917, 95.	4.5	14
25	Comparison of the characteristics of magnetars born in death of massive stars and merger of compact objects with <i>swift</i> gamma-ray burst data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2505-2514.	4.4	6
26	Gamma-Ray Emission Produced by r-process Elements from Neutron Star Mergers. <i>Astrophysical Journal</i> , 2021, 919, 59.	4.5	11
27	Discovery of the Ultrahigh-energy Gamma-Ray Source LHAASO J2108+5157. <i>Astrophysical Journal Letters</i> , 2021, 919, L22.	8.3	28
28	Revisiting the analysis of axion-like particles with the Fermi-LAT gamma-ray observation of NGC1275. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 821, 136611.	4.1	15
29	Lorentz Invariance Violation Limits from the Spectral-lag Transition of GRB 190114C. <i>Astrophysical Journal</i> , 2021, 906, 8.	4.5	27
30	GRB 101225A as Orphan Dipole Radiation of a Newborn Magnetar with Precession Rotation in an Off-axis Gamma-ray Burst. <i>Astrophysical Journal Letters</i> , 2021, 921, L1.	8.3	2
31	Evidence for Gravitational Lensing of GRB 200716C. <i>Astrophysical Journal Letters</i> , 2021, 921, L29.	8.3	19
32	Late Afterglow Bump/Plateau around the Jet Break: Signature of a Free-to-shocked Wind Environment in Gamma-Ray Burst. <i>Astrophysical Journal</i> , 2021, 922, 22.	4.5	1
33	Constraints on Optical Emission of FAST-detected FRB 20181130B with GWAC Synchronized Observations. <i>Astrophysical Journal</i> , 2021, 922, 78.	4.5	6
34	GRB 210121A: A Typical Fireball Burst Detected by Two Small Missions. <i>Astrophysical Journal</i> , 2021, 922, 237.	4.5	20
35	Is GRB 110715A the Progenitor of FRB 171209?. <i>Astrophysical Journal Letters</i> , 2020, 894, L22.	8.3	12
36	Evidence for Gravitational-wave-dominated Emission in the Central Engine of Short GRB 200219A. <i>Astrophysical Journal Letters</i> , 2020, 898, L6.	8.3	8

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37	On the gamma-ray signals from UCMH/mini-spike accompanying the DAMPE 1.4 TeV $e+e^-$ excess. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2486-2492.	4.4	4
38	No pulsed radio emission during a bursting phase of a Galactic magnetar. Nature, 2020, 587, 63-65.	27.8	101
39	Leptonic or Hadronic Emission: The X-Ray Radiation Mechanism of Large-scale Jet Knots in 3C 273. Astrophysical Journal, 2020, 893, 41.	4.5	6
40	Magnetar as Central Engine of Gamma-Ray Bursts: Quasi-universal Jet, Event Rate, and X-Ray Luminosity Function of Dipole Radiations. Astrophysical Journal, 2020, 894, 52.	4.5	2
41	Gamma-Ray Burst Spectrum with a Time-dependent Injection Rate of High-energy Electrons. Astrophysical Journal Letters, 2020, 893, L14.	8.3	6
42	The properties of prompt emission in short gamma-ray bursts with extended emission observed by Fermi/GBM. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3622-3630.	4.4	7
43	Constraining the Nuclear Equation of State via Gravitational-wave Radiation of Short Gamma-Ray Burst Remnants. Astrophysical Journal, 2020, 890, 99.	4.5	6
44	Diversity of $\hat{\Gamma}$ -ray and radio variability of bright blazars and implications for $\hat{\Gamma}$ -ray emission location. Publication of the Astronomical Society of Japan, 2020, 72, .	2.5	8
45	Jet Properties of Compact Steep-spectrum Sources and an Eddington-ratio-driven Unification Scheme of Jet Radiation in Active Galactic Nuclei. Astrophysical Journal, 2020, 899, 2.	4.5	15
46	GRB 140423A: A Case of Stellar Wind to Interstellar Medium Transition in the Afterglow. Astrophysical Journal, 2020, 900, 176.	4.5	11
47	Constraining the Jet Launching Time of GRB 170817A by Utilizing the Baryon Loading. Astrophysical Journal Letters, 2020, 901, L26.	8.3	17
48	Do Afterglow Synchrotron Radiations Follow the $L_{p,iso} \propto E_{p,z}^{\alpha} \Gamma^{\beta} \langle \sigma \rangle$ Relation of Gamma-Ray Bursts? The Cases of GRBs 190114C, 130427A, and 180720B. Astrophysical Journal Letters, 2020, 903, L26.	8.3	8
49	Early Optical Observations of GRB 150910A: Bright Jet Optical Afterglow and X-Ray Dipole Radiation from a Magnetar Central Engine. Astrophysical Journal, 2020, 896, 4.	4.5	5
50	Photospheric Emission in Gamma-Ray Bursts. I. Variability. Astrophysical Journal, 2020, 899, 111.	4.5	3
51	The Energy Sources of Double-peaked Superluminous Supernova PS1-12cil and Luminous Supernova SN 2012aa. Astrophysical Journal, 2020, 891, 98.	4.5	9
52	Spectral Lag for a Radiating Jet Shell with a High-energy Cutoff Radiation Spectrum. Astrophysical Journal, 2019, 882, 115.	4.5	7
53	A Pulsar Wind Nebula Embedded in the Kilonova AT 2017gfo Associated with GW170817/GRB 170817A. Astrophysical Journal, 2019, 885, 60.	4.5	20
54	Constraining the Braking Index and Energy Partition of Magnetar Spindown with Swift/XRT Data. Astrophysical Journal, 2019, 871, 54.	4.5	17

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55	Magnetar as Central Engine of Gamma-Ray Bursts: Central Engineâ€“Jet Connection, Windâ€“Jet Energy Partition, and Origin of Some Ultra-long Bursts. <i>Astrophysical Journal</i> , 2019, 877, 153.	4.5	12
56	Lorentz Factor Evolution of an Expanding Jet Shell Observed in a Gamma-Ray Burst: Case Study of GRB 160625B. <i>Astrophysical Journal</i> , 2019, 883, 187.	4.5	2
57	Observatory science with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	50
58	Radiation properties of gamma-ray compact steep-spectrum sources. , 2019, , .		1
59	Gamma-ray Burst Optical Afterglow. , 2019, , .		0
60	First Electromagnetic Pulse Associated with a Gravitational-wave Event: Profile, Duration, and Delay. <i>Astrophysical Journal</i> , 2018, 856, 90.	4.5	11
61	External Shock in a Multi-bursting Gamma-Ray Burst: Energy Injection Phase Induced by the Later Launched Ejecta. <i>Astrophysical Journal</i> , 2018, 852, 136.	4.5	4
62	Examining the High-energy Radiation Mechanisms of Knots and Hotspots in Active Galactic Nucleus Jets. <i>Astrophysical Journal</i> , 2018, 858, 27.	4.5	14
63	Photometric and Spectroscopic Observations of GRB 140629A. <i>Astrophysical Journal</i> , 2018, 860, 8.	4.5	3
64	A Comprehensive Analysis of Fermi Gamma-Ray Burst Data. IV. Spectral Lag and its Relation to E_{p} Evolution. <i>Astrophysical Journal</i> , 2018, 865, 153.	4.5	20
65	GRB 120729A: External Shock Origin for Both the Prompt Gamma-Ray Emission and Afterglow. <i>Astrophysical Journal</i> , 2018, 859, 163.	4.5	9
66	Fast radio bursts from primordial black hole binaries coalescence. <i>Physical Review D</i> , 2018, 98, .	4.7	21
67	Jet Radiation Properties of 4C +49.22: from the Core to Large-scale Knots. <i>Astrophysical Journal</i> , 2018, 865, 100.	4.5	5
68	Electromagnetic emission from newly born magnetar spin-down by gravitational-wave and magnetic dipole radiations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 4402-4407.	4.4	26
69	Multicolor Blackbody Emission in GRB 081221. <i>Astrophysical Journal</i> , 2018, 866, 13.	4.5	25
70	The Origin of the Prompt Emission for Short GRB 170817A: Photosphere Emission or Synchrotron Emission?. <i>Astrophysical Journal</i> , 2018, 860, 72.	4.5	41
71	A lower occurrence rate of bright X-ray flares in SN-GRBs than z<1 GRBs: evidence of energy partitions?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 3605-3613.	4.4	1
72	Constraining the Type of Central Engine of GRBs with Swift Data. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 26.	7.7	43

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73	Characteristics of Two-episode Emission Patterns in Fermi Long Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2018, 862, 155.	4.5	15
74	Gamma-Ray Burst Jet Breaks Revisited. <i>Astrophysical Journal</i> , 2018, 859, 160.	4.5	65
75	Gamma-Ray Burst/Supernova Associations: Energy Partition and the Case of a Magnetar Central Engine. <i>Astrophysical Journal</i> , 2018, 862, 130.	4.5	19
76	Steep Decay Phase Shaped by the Curvature Effect. I. Flux Evolution. <i>Astrophysical Journal</i> , 2017, 840, 95.	4.5	7
77	Evaluating Optical Classification for Fermi Blazar Candidates with a Statistical Method Using Broadband Spectral Indices. <i>Astrophysical Journal</i> , 2017, 838, 34.	4.5	10
78	Hyperaccreting Black Hole as Gamma-Ray Burst Central Engine. II. Temporal Evolution of the Central Engine Parameters during the Prompt and Afterglow Phases. <i>Astrophysical Journal</i> , 2017, 849, 47.	4.5	49
79	THE HISTORY OF GRB OUTFLOWS: EJECTION LORENTZ FACTOR AND RADIATION LOCATION OF X-RAY FLARES. <i>Astrophysical Journal</i> , 2016, 831, 111.	4.5	23
80	GRB 110530A: PECULIAR BROAD BUMP AND DELAYED PLATEAU IN EARLY OPTICAL AFTERGLOWS. <i>Astrophysical Journal</i> , 2016, 831, 5.	4.5	6
81	GRB Observational Properties. <i>Space Science Reviews</i> , 2016, 202, 3-32.	8.1	14
82	VERY BRIGHT PROMPT AND REVERSE SHOCK EMISSION OF GRB 140512A. <i>Astrophysical Journal</i> , 2016, 833, 100.	4.5	18
83	Search for a gamma-ray line feature from a group of nearby galaxy clusters with Fermi LAT Pass 8 data. <i>Physical Review D</i> , 2016, 93, .	4.7	34
84	COSMIC EVOLUTION OF LONG GAMMA-RAY BURST LUMINOSITY. <i>Astrophysical Journal</i> , 2016, 820, 66.	4.5	22
85	Search for gamma-ray line features from Milky Way satellites with Fermi LAT Pass 8 data. <i>Physical Review D</i> , 2016, 94, .	4.7	13
86	Doppler Boosting Effect on the Jet Radiation of Gamma-Ray Bursts and Active Galactic Nuclei. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 82-84.	0.0	0
87	Lorentz Factor Evolution Patterns within Relativistic Jets of GRBs and AGNs. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 78-81.	0.0	0
88	The radiative efficiency of relativistic jet and wind: a case study of GRB 070110. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 2990-2994.	4.4	13
89	Extremely Bright GRB160625B with Short-Soft Precursor and long-hard extended emission: Hints for long-term evolution of the GRB Ejecta. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 74-77.	0.0	0
90	COMPREHENSIVE STUDY OF THE X-RAY FLARES FROM GAMMA-RAY BURSTS OBSERVED BY SWIFT. <i>Astrophysical Journal, Supplement Series</i> , 2016, 224, 20.	7.7	77

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91	A TIGHT L_{iso}^E - p_z CORRELATION OF GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2015, 813, 116.	4.5	44
92	Variability in the light curve of tidal disruption events. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 137-137.	0.0	0
93	CORRELATIONS OF DISK AND JET EMISSION DEVIATING FROM THE FUNDAMENTAL PLANE. <i>Astrophysical Journal</i> , 2015, 807, 94.	4.5	2
94	Statistical Properties of Gamma-Ray Burst Host Galaxies. <i>Journal of Astrophysics and Astronomy</i> , 2014, 35, 267-270.	1.0	1
95	Joint Spectral Analysis for Early Bright X-ray Flares of $\hat{\Gamma}^3$ -Ray Bursts with Swift BAT and XRT Data. <i>Journal of Astrophysics and Astronomy</i> , 2014, 35, 423-427.	1.0	1
96	The $\hat{\Gamma}^3$ amplitude parameter of gamma-ray bursts and its implications for GRB classification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 1922-1929.	4.4	44
97	Spectral Variation of NLS1 Galaxy PMN J0948+0022. <i>Journal of Astrophysics and Astronomy</i> , 2014, 35, 457-461.	1.0	4
98	Spectral Lag Evolution among $\hat{\Gamma}^3$ -Ray Burst Pulses. <i>Journal of Astrophysics and Astronomy</i> , 2014, 35, 513-515.	1.0	0
99	BLAZAR ANTI-SEQUENCE OF SPECTRAL VARIABILITY FOR INDIVIDUAL TeV BLAZARS. <i>International Journal of Modern Physics Conference Series</i> , 2013, 23, 54-63.	0.7	2
100	Instrumental Selection Effect on the Bimodal T_{90} Distribution of Gamma-Ray Bursts. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 70-73.	0.0	0
101	Luminosity Distribution of Gamma-ray Burst Optical Afterglows. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 335-336.	0.0	0
102	Radiation Properties of GeV Narrow Line Seyfert 1 Galaxies. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 359-360.	0.0	3
103	Optical Afterglows as Probes for the Central Engine and Fireball of Gamma-Ray Bursts. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 263-264.	0.0	0
104	Statistical Properties of Gamma-Ray Burst Host Galaxies. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 190-190.	0.0	0
105	Is GRB 100418A a Cosmic Twin of GRB 060614?. <i>Journal of Astrophysics and Astronomy</i> , 2011, 32, 309-311.	1.0	0
106	DISCERNING EMISSION COMPONENTS IN EARLY AFTERGLOW DATA AND CONSTRAINING THE INITIAL LORENTZ FACTOR OF LONG GRB FIREBALL. <i>International Journal of Modern Physics D</i> , 2011, 20, 1955-1959.	2.1	2
107	CONSTRAINING GAMMA-RAY BURST INITIAL LORENTZ FACTOR WITH THE AFTERGLOW ONSET FEATURE AND DISCOVERY OF A TIGHT $\hat{\Gamma}^3$ - L_{iso}^E CORRELATION. <i>Astrophysical Journal</i> , 2010, 725, 2209-2224.	4.5	191
108	DISCERNING THE PHYSICAL ORIGINS OF COSMOLOGICAL GAMMA-RAY BURSTS BASED ON MULTIPLE OBSERVATIONAL CRITERIA: THE CASES OF $z = 6.7$ GRB 080913, $z = 8.2$ GRB 090423, AND SOME SHORT/HARD GRBs. <i>Astrophysical Journal</i> , 2009, 703, 1696-1724.	4.5	307

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109	Low-luminosity gamma-ray bursts as a distinct GRB population: a firmer case from multiple criteria constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 91-103.	4.4	94
110	Extended Emission of Short Gamma-Ray Bursts. , 2008, , .		6
111	<i>Swift</i> Observations of GRB 070110: An Extraordinary X-Ray Afterglow Powered by the Central Engine. <i>Astrophysical Journal</i> , 2007, 665, 599-607.	4.5	237
112	THE PERIODICITY ANALYSIS OF THE LIGHT CURVE OF PKS 0735+178 AND IMPLICATIONS FOR ITS CENTRAL STRUCTURE. <i>International Journal of Modern Physics D</i> , 2004, 13, 771-782.	2.1	4