Wenbin Lu

List of Publications by Year in descending order

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47 papers	1,500 citations	279701 23 h-index	315616 38 g-index
49 all docs	49 docs citations	49 times ranked	1677 citing authors

#	Article	IF	Citations
1	Fast radio burst source properties and curvature radiation model. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2726-2739.	1.6	201
2	A unified picture of Galactic and cosmological fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1397-1405.	1.6	134
3	On the radiation mechanism of repeating fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2470-2493.	1.6	106
4	Self-intersection of the fallback stream in tidal disruption events. Monthly Notices of the Royal Astronomical Society, 2020, 492, 686-707.	1.6	100
5	Simulating disc formation in tidal disruption events. Monthly Notices of the Royal Astronomical Society, 2020, 495, 1374-1391.	1.6	64
6	Implications from ASKAP Fast Radio Burst Statistics. Astrophysical Journal, 2019, 883, 40.	1.6	61
7	Frequency-dependent polarization of repeating fast radio burstsâ€"implications for their origin. Science, 2022, 375, 1266-1270.	6.0	55
8	On the formation of GW190814. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1817-1832.	1.6	46
9	Infrared emission from tidal disruption events â€" probing the pc-scale dust content around galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2016, 458, 575-581.	1.6	41
10	A universal EDF for repeating fast radio bursts?. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 461, L122-L126.	1.2	37
11	Tidal Disruptions of Stars by Black Hole Remnants in Dense Star Clusters. Astrophysical Journal, 2019, 881, 75.	1.6	36
12	Wind-reprocessed Transients. Astrophysical Journal, 2020, 894, 2.	1.6	36
13	Thermal and non-thermal emission from the cocoon of a gamma-ray burst jet. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4553-4564.	1.6	32
14	On the Missing Energy Puzzle of Tidal Disruption Events. Astrophysical Journal, 2018, 865, 128.	1.6	31
15	Implications of a rapidly varying FRB in a globular cluster of M81. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1867-1879.	1.6	31
16	The spins of compact objects born from helium stars in binary systems. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3951-3964.	1.6	30
17	ATÂ2017gbl: a dust obscured TDE candidate in a luminous infrared galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2167-2195.	1.6	29
18	The Panchromatic Afterglow of GW170817: The Full Uniform Data Set, Modeling, Comparison with Previous Results, and Implications. Astrophysical Journal, 2021, 922, 154.	1.6	27

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19	Probing Motion of Fast Radio Burst Sources by Timing Strongly Lensed Repeaters. Astrophysical Journal, 2017, 847, 19.	1.6	26
20	The Multiwavelength Counterparts of Fast Radio Bursts. Astrophysical Journal, 2020, 897, 146.	1.6	26
21	Fast Optical Transients from Stellar-mass Black Hole Tidal Disruption Events in Young Star Clusters. Astrophysical Journal, 2021, 911, 104.	1.6	26
22	Stellar disruption events support the existence of the black hole event horizon. Monthly Notices of the Royal Astronomical Society, 2017, 468, 910-919.	1.6	25
23	First light from tidal disruption events. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4885-4905.	1.6	25
24	Implications of Canadian Hydrogen Intensity Mapping Experiment repeating fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1973-1982.	1.6	23
25	The maximum luminosity of fast radio bursts. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 483, L93-L97.	1.2	21
26	Fast radio burst source properties from polarization measurements. Monthly Notices of the Royal Astronomical Society, 2019, 483, 359-369.	1.6	21
27	Zwicky Transient Facility Constraints on the Optical Emission from the Nearby Repeating FRB 180916.J0158+65. Astrophysical Journal Letters, 2020, 896, L2.	3.0	20
28	Seeking observational evidence for the formation of trapping horizons in astrophysical black holes. Physical Review D, 2018, 97, .	1.6	19
29	Jets from Tidal Disruption Events. New Astronomy Reviews, 2020, 89, 101538.	5.2	18
30	Temporal Scattering, Depolarization, and Persistent Radio Emission from Magnetized Inhomogeneous Environments near Repeating Fast Radio Burst Sources. Astrophysical Journal Letters, 2022, 928, L16.	3.0	18
31	Hydrodynamics of Collisions and Close Encounters between Stellar Black Holes and Main-sequence Stars. Astrophysical Journal, 2022, 933, 203.	1.6	18
32	Radiation forces constrain the FRB mechanism. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1217-1228.	1.6	16
33	Survival Times of Supramassive Neutron Stars Resulting from Binary Neutron Star Mergers. Astrophysical Journal, 2021, 920, 109.	1.6	12
34	Imprint of local environment on fast radio burst observations. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3308-3313.	1.6	11
35	Kinematics of Crab Giant Pulses. Astrophysical Journal, 2021, 920, 38.	1.6	11
36	Galactic Radio Explorer: An All-sky Monitor for Bright Radio Bursts. Publications of the Astronomical Society of the Pacific, 2021, 133, 075001.	1.0	9

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37	The nozzle shock in tidal disruption events. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2147-2169.	1.6	9
38	Swift J1644+57: an ideal test bed of radiation mechanisms in a relativistic super-Eddington jet. Monthly Notices of the Royal Astronomical Society, 2016, 460, 396-416.	1.6	8
39	Radiative interaction between the relativistic jet and optically thick envelope in tidal disruption events. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1141-1152.	1.6	8
40	Spectropolarimetry of the tidal disruption event ATâ€‰2019qiz: a quasi-spherical reprocessing layer. Monthly Notices of the Royal Astronomical Society, 2022, 515, 138-145.	1.6	6
41	The Nascent Milliquasar VT J154843.06+220812.6: Tidal Disruption Event or Extreme Accretion State Change?. Astrophysical Journal, 2022, 929, 184.	1.6	5
42	Probing massive stars around gamma-ray burst progenitors. Monthly Notices of the Royal Astronomical Society, 2015, 453, 1458-1470.	1.6	4
43	External inverse-Compton emission from jetted tidal disruption events. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1071-1082.	1.6	4
44	Monte Carlo Simulations of Photospheric Emission in Relativistic Outflows. Astrophysical Journal, 2018, 852, 24.	1.6	4
45	Infrared dust echoes from neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3672-3689.	1.6	4
46	From Pericenter and Back: Full Debris Stream Evolution in Tidal Disruption Events. Astrophysical Journal Letters, 2022, 931, L6.	3.0	4
47	The former companion of hyper-velocity star S5-HVS1. Monthly Notices of the Royal Astronomical Society, 2021, 503, 603-613.	1.6	2