

Wenbin Lu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3146538/publications.pdf>

Version: 2024-02-01

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	The nozzle shock in tidal disruption events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2147-2169.	1.6	9
2	The spins of compact objects born from helium stars in binary systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3951-3964.	1.6	30
3	Frequency-dependent polarization of repeating fast radio bursts—implications for their origin. <i>Science</i> , 2022, 375, 1266-1270.	6.0	55
4	Temporal Scattering, Depolarization, and Persistent Radio Emission from Magnetized Inhomogeneous Environments near Repeating Fast Radio Burst Sources. <i>Astrophysical Journal Letters</i> , 2022, 928, L16.	3.0	18
5	The Nascent Milliquasar VT J154843.06+220812.6: Tidal Disruption Event or Extreme Accretion State Change?. <i>Astrophysical Journal</i> , 2022, 929, 184.	1.6	5
6	From Pericenter and Back: Full Debris Stream Evolution in Tidal Disruption Events. <i>Astrophysical Journal Letters</i> , 2022, 931, L6.	3.0	4
7	Spectropolarimetry of the tidal disruption event AT2019qiz: a quasi-spherical reprocessing layer. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 138-145.	1.6	6
8	Hydrodynamics of Collisions and Close Encounters between Stellar Black Holes and Main-sequence Stars. <i>Astrophysical Journal</i> , 2022, 933, 203.	1.6	18
9	First light from tidal disruption events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4885-4905.	1.6	25
10	The former companion of hyper-velocity star S5-HVS1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 603-613.	1.6	2
11	Fast Optical Transients from Stellar-mass Black Hole Tidal Disruption Events in Young Star Clusters. <i>Astrophysical Journal</i> , 2021, 911, 104.	1.6	26
12	Galactic Radio Explorer: An All-sky Monitor for Bright Radio Bursts. <i>Publications of the Astronomical Society of the Pacific</i> , 2021, 133, 075001.	1.0	9
13	Infrared dust echoes from neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3672-3689.	1.6	4
14	Kinematics of Crab Giant Pulses. <i>Astrophysical Journal</i> , 2021, 920, 38.	1.6	11
15	Survival Times of Supramassive Neutron Stars Resulting from Binary Neutron Star Mergers. <i>Astrophysical Journal</i> , 2021, 920, 109.	1.6	12
16	The Panchromatic Afterglow of GW170817: The Full Uniform Data Set, Modeling, Comparison with Previous Results, and Implications. <i>Astrophysical Journal</i> , 2021, 922, 154.	1.6	27
17	Implications of a rapidly varying FRB in a globular cluster of M81. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1867-1879.	1.6	31
18	The Multiwavelength Counterparts of Fast Radio Bursts. <i>Astrophysical Journal</i> , 2020, 897, 146.	1.6	26

#	ARTICLE	IF	CITATIONS
19	Jets from Tidal Disruption Events. <i>New Astronomy Reviews</i> , 2020, 89, 101538.	5.2	18
20	AT2017gbl: a dust obscured TDE candidate in a luminous infrared galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2167-2195.	1.6	29
21	A unified picture of Galactic and cosmological fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 1397-1405.	1.6	134
22	Simulating disc formation in tidal disruption events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 1374-1391.	1.6	64
23	Imprint of local environment on fast radio burst observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 3308-3313.	1.6	11
24	Implications of Canadian Hydrogen Intensity Mapping Experiment repeating fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 1973-1982.	1.6	23
25	Radiation forces constrain the FRB mechanism. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1217-1228.	1.6	16
26	Zwicky Transient Facility Constraints on the Optical Emission from the Nearby Repeating FRB 180916.J0158+65. <i>Astrophysical Journal Letters</i> , 2020, 896, L2.	3.0	20
27	Self-intersection of the fallback stream in tidal disruption events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 686-707.	1.6	100
28	On the formation of GW190814. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 1817-1832.	1.6	46
29	Wind-reprocessed Transients. <i>Astrophysical Journal</i> , 2020, 894, 2.	1.6	36
30	Tidal Disruptions of Stars by Black Hole Remnants in Dense Star Clusters. <i>Astrophysical Journal</i> , 2019, 881, 75.	1.6	36
31	The maximum luminosity of fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 483, L93-L97.	1.2	21
32	Fast radio burst source properties from polarization measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 359-369.	1.6	21
33	Implications from ASKAP Fast Radio Burst Statistics. <i>Astrophysical Journal</i> , 2019, 883, 40.	1.6	61
34	Monte Carlo Simulations of Photospheric Emission in Relativistic Outflows. <i>Astrophysical Journal</i> , 2018, 852, 24.	1.6	4
35	Thermal and non-thermal emission from the cocoon of a gamma-ray burst jet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 4553-4564.	1.6	32
36	On the Missing Energy Puzzle of Tidal Disruption Events. <i>Astrophysical Journal</i> , 2018, 865, 128.	1.6	31

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37	On the radiation mechanism of repeating fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2470-2493.	1.6	106
38	Seeking observational evidence for the formation of trapping horizons in astrophysical black holes. Physical Review D, 2018, 97, .	1.6	19
39	Fast radio burst source properties and curvature radiation model. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2726-2739.	1.6	201
40	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
41	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
42	Probing Motion of Fast Radio Burst Sources by Timing Strongly Lensed Repeaters. Astrophysical Journal, 2017, 847, 19.	1.6	26
43	A universal EDF for repeating fast radio bursts?. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 461, L122-L126.	1.2	37
44	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
45	Infrared emission from tidal disruption events “ probing the pc-scale dust content around galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2016, 458, 575-581.	1.6	41
46	External inverse-Compton emission from jetted tidal disruption events. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1071-1082.	1.6	4
47	Probing massive stars around gamma-ray burst progenitors. Monthly Notices of the Royal Astronomical Society, 2015, 453, 1458-1470.	1.6	4