

Lixin Dai

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

900
citations

516710
16
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610901
24
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24
all docs

24
docs citations

24
times ranked

1240
citing authors

#	ARTICLE	IF	CITATIONS
1	A Unified Model for Tidal Disruption Events. <i>Astrophysical Journal Letters</i> , 2018, 859, L20.	8.3	200
2	SOFT X-RAY TEMPERATURE TIDAL DISRUPTION EVENTS FROM STARS ON DEEP PLUNGING ORBITS. <i>Astrophysical Journal Letters</i> , 2015, 812, L39.	8.3	116
3	The Spectral Evolution of AT 2018dyb and the Presence of Metal Lines in Tidal Disruption Events. <i>Astrophysical Journal</i> , 2019, 887, 218.	4.5	72
4	Efficiency of super-Eddington magnetically-arrested accretion. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 454, L6-L10.	3.3	69
5	Relativistic reverberation in the accretion flow of a tidal disruption event. <i>Nature</i> , 2016, 535, 388-390.	27.8	58
6	Can tidal disruption events produce the IceCube neutrinos?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 1354-1359.	4.4	58
7	Ultrafast outflow in tidal disruption event ASASSN-14li. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 3593-3598.	4.4	57
8	THE IMPACT OF BOUND STELLAR ORBITS AND GENERAL RELATIVITY ON THE TEMPORAL BEHAVIOR OF TIDAL DISRUPTION FLARES. <i>Astrophysical Journal Letters</i> , 2013, 775, L9.	8.3	50
9	Roche accretion of stars close to massive black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 2948-2960.	4.4	27
10	Tidal disruption events by a massive black hole binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 1712-1727.	4.4	25
11	Enhancement of the tidal disruption event rate in galaxies with a nuclear star cluster: from dwarfs to ellipticals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2276-2285.	4.4	24
12	Quasi-periodic flares from star-accretion-disc collisions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 1614-1624.	4.4	20
13	Transport equation for the two-dimensional electron liquid under microwave radiation and a magnetic field: Explanation for the zero-resistance state. <i>Physical Review B</i> , 2005, 72, .	3.2	18
14	Energetic constraints on electromagnetic signals from double black hole mergers. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 470, L92-L96.	3.3	18
15	Discovery of a Fast Iron Low-ionization Outflow in the Early Evolution of the Nearby Tidal Disruption Event AT 2019qiz. <i>Astrophysical Journal</i> , 2021, 917, 9.	4.5	17
16	The Process of Stellar Tidal Disruption by Supermassive Black Holes. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	16
17	The Physics of Accretion Discs, Winds and Jets in Tidal Disruption Events. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	12
18	X-Ray Fluorescence from Super-Eddington Accreting Black Holes. <i>Astrophysical Journal Letters</i> , 2019, 884, L21.	8.3	11

#	ARTICLE	IF	CITATIONS
19	Tidal disruption events in the first billion years of a galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3944-3956.	4.4	9
20	Adiabatic evolution of mass-losing stars. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2940-2947.	4.4	8
21	Observable gravitational waves from tidal disruption events and their electromagnetic counterpart. Monthly Notices of the Royal Astronomical Society, 2021, 510, 2025-2040.	4.4	6
22	Simulations of Tidal Disruption Events. Space Science Reviews, 2020, 216, 1.	8.1	4
23	Revisiting the Rates and Demographics of Tidal Disruption Events: Effects of the Disk Formation Efficiency. Astrophysical Journal Letters, 2022, 927, L19.	8.3	4
24	Relativistic X-Ray Reverberation from Super-Eddington Accretion Flow. Astrophysical Journal, 2022, 925, 151.	4.5	1