Jirong

List of Publications by Year in descending order

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54 papers	9,321 citations	172457 29 h-index	161849 54 g-index
54 all docs	54 docs citations	54 times ranked	4652 citing authors

#	Article	IF	Citations
1	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. Astrophysical Journal, 2022, 925, 13.	4.5	6
2	Temporal Analysis of GRB Precursors in the Third Swift-BAT Catalog. Astrophysical Journal, 2022, 928, 152.	4.5	4
3	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. Astrophysical Journal Letters, 2022, 930, L14.	8.3	163
4	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. Astrophysical Journal Letters, 2022, 930, L21.	8.3	20
5	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. Astrophysical Journal Letters, 2022, 930, L17.	8.3	215
6	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. Astrophysical Journal Letters, 2022, 930, L13.	8.3	142
7	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. Astrophysical Journal Letters, 2022, 930, L15.	8.3	137
8	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. Astrophysical Journal Letters, 2022, 930, L12.	8.3	568
9	Selective Dynamical Imaging of Interferometric Data. Astrophysical Journal Letters, 2022, 930, L18.	8.3	21
10	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2022, 930, L19.	8.3	43
11	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. Astrophysical Journal Letters, 2022, 930, L20.	8.3	20
12	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. Astrophysical Journal Letters, 2022, 930, L16.	8.3	187
13	Observation of the Crab Nebula with LHAASO-KM2A â˜’ a performance study *. Chinese Physics C, 2021, 45, 025002.	3.7	67
14	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2021, 910, L12.	8.3	215
15	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. Astrophysical Journal Letters, 2021, 910, L14.	8.3	67
16	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. Astrophysical Journal Letters, 2021, 910, L13.	8.3	297
17	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2021, 911, L11.	8.3	56
18	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 Î³-ray Galactic sources. Nature, 2021, 594, 33-36.	27.8	262

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19	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. Astrophysical Journal, 2021, 912, 35.	4.5	43
20	On the Polarized Absorption Lines in Gamma-Ray Burst Optical Afterglows. Astrophysical Journal, 2021, 914, 134.	4.5	3
21	Petaâ€“electron volt gamma-ray emission from the Crab Nebula. Science, 2021, 373, 425-430.	12.6	86
22	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. Nature Astronomy, 2021, 5, 1017-1028.	10.1	65
23	Verification of Radiative Transfer Schemes for the EHT. Astrophysical Journal, 2020, 897, 148.	4.5	44
24	Multicolor Optical Monitoring of the Blazar S5 0716+714 from 2017 to 2019. Astrophysical Journal, Supplement Series, 2020, 247, 49.	7.7	18
25	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. Astrophysical Journal, 2020, 897, 139.	4.5	47
26	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. Astronomy and Astrophysics, 2020, 640, A69.	5.1	54
27	SYMBA: An end-to-end VLBI synthetic data generation pipeline. Astronomy and Astrophysics, 2020, 636, A5.	5.1	18
28	Spectral Diversities of Gamma-Ray Bursts in High-energy Bands: Hints from Turbulent Cascade. Astrophysical Journal, 2020, 898, 14.	4.5	2
29	Monitoring the Morphology of M87* in 2009â€“2017 with the Event Horizon Telescope. Astrophysical Journal, 2020, 901, 67.	4.5	51
30	Nondetection of the Gamma-Ray Burst X-Ray Emission Line: The Down-Comptonization Effect. Astrophysical Journal, 2020, 900, 10.	4.5	1
31	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. Astrophysical Journal, Supplement Series, 2019, 243, 26.	7.7	175
32	Is Bremsstrahlung a Possible Mechanism to Explain the Thermal Feature in the GRB 130925A X-Ray Afterglow?. Astrophysical Journal, 2019, 878, 112.	4.5	1
33	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. Astrophysical Journal Letters, 2019, 875, L3.	8.3	519
34	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. Astrophysical Journal Letters, 2019, 875, L2.	8.3	618
35	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L4.	8.3	806
36	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L1.	8.3	2,264

#	Article	IF	Citations
37	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. Astrophysical Journal Letters, 2019, 875, L5.	8.3	814
38	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. Astrophysical Journal Letters, 2019, 875, L6.	8.3	897
39	GRB X-Ray Flare Properties among Different GRB Subclasses. Astrophysical Journal, 2019, 884, 59.	4.5	7
40	Synchrotron Polarization of Relativistic Thermal Electrons. Astrophysical Journal, 2018, 854, 51.	4.5	5
41	Statistical Study of the Swift X-Ray Flash and X-Ray Rich Gamma-Ray Bursts. Astrophysical Journal, 2018, 866, 97.	4.5	10
42	Optical Observations of the Young Type Ic Supernova SN 2014L in M99. Astrophysical Journal, 2018, 863, 109.	4.5	11
43	Determining the Core Radio Luminosity Function of Radio AGNs via Copula. Astrophysical Journal, Supplement Series, 2018, 239, 33.	7.7	18
44	Why Are Some Gamma-Ray Bursts Hosted by Oxygen-rich Galaxies?. Astrophysical Journal, 2018, 863, 95.	4.5	6
45	Central-engine-powered Bright X-Ray Flares in Short Gamma-Ray Bursts: A Hint of a Black Holeâ€“Neutron Star Merger?. Astrophysical Journal, 2018, 858, 34.	4.5	7
46	Synchrotron Polarization Radiative Transfer: Relativistic Thermal Electron Contribution. Astrophysical Journal, 2018, 860, 153.	4.5	7
47	Linear Polarization, Circular Polarization, and Depolarization of Gamma-ray Bursts: A Simple Case of Jitter Radiation. Astrophysical Journal, 2017, 838, 78.	4.5	16
48	A Mixture Evolution Scenario of the AGN Radio Luminosity Function. II. Do Low- and High-power Radio-loud AGNs Evolve Differently?. Astrophysical Journal, 2017, 846, 78.	4.5	13
49	The Rapid Reddening and Featureless Optical Spectra of the Optical Counterpart of GW170817, AT 2017gfo, during the First Four Days. Astrophysical Journal Letters, 2017, 848, L32.	8.3	129
50	Can Turbulence Dominate Depolarization of Optical Blazars?. Astrophysical Journal, 2017, 843, 23.	4.5	11
51	A Tale of Two Transients: GW 170104 and GRBÂ170105A. Astrophysical Journal, 2017, 845, 152.	4.5	29
52	ON THE EVOLUTION OF HIGH-REDSHIFT ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2016, 828, 96.	4.5	9
53	A MIXTURE EVOLUTION SCENARIO OF THE AGN RADIO LUMINOSITY FUNCTION. Astrophysical Journal, 2016, 820, 65.	4.5	12
54	MATTER MIXING IN CORE-COLLAPSE SUPERNOVA EJECTA: LARGE DENSITY PERTURBATIONS IN THE PROGENITOR STAR?. Astrophysical Journal, 2015, 808, 164.	4.5	15