Guang-Yao Zhao

List of Publications by Year
in descending order

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59 papers	7,953 citations	236925 25 h-index	144013 57 g-index
61 all docs	61 docs citations	61 times ranked	3425 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	The Intrinsic Structure of Sagittarius A* at 1.3 cm and 7 mm. Astrophysical Journal, 2022, 926, 108.	4.5	13
3	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
4	Selective Dynamical Imaging of Interferometric Data. Astrophysical Journal Letters, 2022, 930, L18.	8.3	21
5	Unraveling the Innermost Jet Structure of OJ 287 with the First GMVA + ALMA Observations. Astrophysical Journal, 2022, 932, 72.	4.5	12
6	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2021, 910, L12.	8.3	215
7	Jet Collimation and Acceleration in the Giant Radio Galaxy NGC 315. Astrophysical Journal, 2021, 909, 76.	4.5	25
8	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. Astrophysical Journal Letters, 2021, 910, L14.	8.3	67
9	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. Astrophysical Journal Letters, 2021, 910, L13.	8.3	297
10	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2021, 911, L11.	8.3	56
11	Constraints on black-hole charges with the 2017 EHT observations of M87*. Physical Review D, 2021, 103, .	4.7	126
12	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. Astrophysical Journal, 2021, 912, 35.	4.5	43
13	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. Nature Astronomy, 2021, 5, 1017-1028.	10.1	65
14	East Asian VLBI Network observations of active galactic nuclei jets: imaging with KaVA+Tianma+Nanshan. Research in Astronomy and Astrophysics, 2021, 21, 205.	1.7	12
15	Verification of Radiative Transfer Schemes for the EHT. Astrophysical Journal, 2020, 897, 148.	4.5	44
16	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. Astrophysical Journal, 2020, 897, 139.	4.5	47
17	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
18	SYMBA: An end-to-end VLBI synthetic data generation pipeline. Astronomy and Astrophysics, 2020, 636, A5.	5.1	18

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19	Monitoring the Morphology of M87* in 2009â€“2017 with the Event Horizon Telescope. Astrophysical Journal, 2020, 901, 67.	4.5	51
20	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. Astrophysical Journal, Supplement Series, 2019, 243, 26.	7.7	175
21	Stable Radio Core of the Blazar Mrk 501 during High-energy Active State in 2012. Astrophysical Journal, 2019, 884, 132.	4.5	1
22	Ejection of Double Knots from the Radio Core of PKS 1510â€“089 during the Strong Gamma-Ray Flares in 2015. Astrophysical Journal, 2019, 877, 106.	4.5	14
23	The Size, Shape, and Scattering of Sagittarius A* at 86 GHz: First VLBI with ALMA. Astrophysical Journal, 2019, 871, 30.	4.5	81
24	Jet kinematics of the quasar 4C+21.35 from observations with the KaVA very long baseline interferometry array. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2412-2421.	4.4	14
25	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. Astrophysical Journal Letters, 2019, 875, L3.	8.3	519
26	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. Astrophysical Journal Letters, 2019, 875, L2.	8.3	618
27	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L4.	8.3	806
28	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L1.	8.3	2,264
29	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. Astrophysical Journal Letters, 2019, 875, L5.	8.3	814
30	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
31	Kinematics of the M87 Jet in the Collimation Zone: Gradual Acceleration and Velocity Stratification. Astrophysical Journal, 2019, 887, 147.	4.5	46
32	KVN observations reveal multiple Î³-ray emission regions in 3Câ€‰84?. Monthly Notices of the Royal Astronomical Society, 2018, 475, 368-378.	4.4	29
33	Exploring the Variability of the Flat Spectrum Radio Source 1633+382. I. Phenomenology of the Light Curves. Astrophysical Journal, 2018, 852, 30.	4.5	16
34	The Power of Simultaneous Multi-frequency Observations for mm-VLBI: Beyond Frequency Phase Transfer. Astronomical Journal, 2018, 155, 26.	4.7	14
35	Long-term millimeter VLBI monitoring of M 87 with KVN at milliarcsecond resolution: nuclear spectrum. Astronomy and Astrophysics, 2018, 610, L5.	5.1	18
36	The Scattering and Intrinsic Structure of Sagittarius A* at Radio Wavelengths. Astrophysical Journal, 2018, 865, 104.	4.5	67

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37	Revealing the Nature of Blazar Radio Cores through Multifrequency Polarization Observations with the Korean VLBI Network. Astrophysical Journal, 2018, 860, 112.	4.5	21
38	Exploring the nature of the 2016 Î³-ray emission in the blazar 1749+096. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2324-2333.	4.4	9
39	Exploring the Variability of the Flat-spectrum Radio Source 1633+382. II. Physical Properties. Astrophysical Journal, 2018, 859, 128.	4.5	14
40	VLBI Monitoring of the Sub-parsec-scale Jet in the Radio Galaxy 3C 66B at 22 GHz. Astrophysical Journal, 2017, 841, 103.	4.5	1
41	Pilot KaVA monitoring on the MÂ87 jet: Confirming the inner jet structure and superluminal motions at sub-pc scales. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	51
42	A comparative study of amplitude calibrations for the East Asia VLBI Network: A priori and template spectrum methods. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	13
43	Millimeter VLBI observations of Sgr A* with KaVA and KVN. Proceedings of the International Astronomical Union, 2016, 11, 56-63.	0.0	1
44	INTERFEROMETRIC MONITORING OF GAMMA-RAY BRIGHT AGNs. I. THE RESULTS OF SINGLE-EPOCH MULTIFREQUENCY OBSERVATIONS. Astrophysical Journal, Supplement Series, 2016, 227, 8.	7.7	24
45	THE AUTOMATIC CALIBRATION OF KOREAN VLBI NETWORK DATA. Journal of the Korean Astronomical Society, 2016, 49, 137-144.	1.5	10
46	MULTI-EPOCH MULTI-FREQUENCY VLBI STUDY OF THE PARSEC-SCALE JET IN THE BLAZAR 3C 66A. Astronomical Journal, 2015, 149, 46.	4.7	3
47	Warping and tearing of misaligned circumbinary disks around eccentric supermassive black hole binaries. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 005-005.	5.4	4
48	INTERFEROMETRIC MONITORING OF GAMMAâ€“RAY BRIGHT ACTIVE GALACTIC NUCLEI II: FREQUENCY PHASE TRANSFER. Journal of the Korean Astronomical Society, 2015, 48, 237-255.	1.5	18
49	KVN SOURCE-FREQUENCY PHASE-REFERENCING OBSERVATION OF 3C 66A AND 3C 66B. Publications of the Korean Astronomical Society, 2015, 30, 629-631.	0.0	2
50	KEY SCIENCE OBSERVATIONS OF AGNs WITH THE KaVA ARRAY. Publications of the Korean Astronomical Society, 2015, 30, 633-636.	0.0	5
51	Multi-Frequency VLBA Studies of the Parsec-Scale Jets in 3C 66A and 3C 66B. Journal of Astrophysics and Astronomy, 2014, 35, 209-213.	1.0	1
52	RADIATION-DRIVEN WARPING OF CIRCUMBINARY DISKS AROUND ECCENTRIC YOUNG STAR BINARIES. Astrophysical Journal, 2014, 797, 68.	4.5	1
53	VLBI observations of bright AGN jets with the KVN and VERA Array (KaVA): Evaluation of imaging capability. Publication of the Astronomical Society of Japan, 2014, 66, .	2.5	42
54	WARPED CIRCUMBINARY DISKS IN ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2014, 790, 62.	4.5	3

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55	AN HOURGLASS MODEL FOR THE FLARE OF HST-1 IN M87. Astronomical Journal, 2013, 146, 155.	4.7	3
56	Study of the parsec-scale jet in the blazar 3C 66A with VLBA. Proceedings of the International Astronomical Union, 2012, 8, 367-368.	0.0	0
57	The core-like nature of HST-1 in the M87 jet. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 416, L109-L113.	3.3	10
58	Position Measurements of the Core in 3C 66B. Journal of Astrophysics and Astronomy, 2011, 32, 61-63.	1.0	3
59	Peculiar Physical Properties of HST-1 in M87. Journal of Astrophysics and Astronomy, 2011, 32, 25-28.	1.0	0