Hung-Yi Pu

List of Publications by Year in descending order

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57	9,283	159585	155660
papers	citations	30 h-index	55 g-index

57	57	57	3269
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L1.	8.3	2,264
2	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
3	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. Astrophysical Journal Letters, 2019, 875, L5.	8.3	814
4	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L4.	8.3	806
5	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. Astrophysical Journal Letters, 2019, 875, L2.	8.3	618
6	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
7	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. Astrophysical Journal Letters, 2019, 875, L3.	8.3	519
8	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. Astrophysical Journal Letters, 2021, 910, L13.	8.3	297
9	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2021, 910, L12.	8.3	215
10	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. Astrophysical Journal Letters, 2022, 930, L17.	8.3	215
11	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
12	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. Astrophysical Journal, Supplement Series, 2019, 243, 26.	7.7	175
13	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
14	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
15	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. Astrophysical Journal Letters, 2022, 930, L15.	8.3	137
16	Constraints on black-hole charges with the 2017 EHT observations of M87*. Physical Review D, 2021, 103, .	4.7	126
17	Parabolic Jets from the Spinning Black Hole in M87. Astrophysical Journal, 2018, 868, 146.	4.5	103
18	ENERGETIC GAMMA RADIATION FROM RAPIDLY ROTATING BLACK HOLES. Astrophysical Journal, 2016, 818, 50.	4.5	74

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19	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. Astrophysical Journal Letters, 2021, 910, L14.	8.3	67
20	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. Nature Astronomy, 2021, 5, 1017-1028.	10.1	65
21	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2021, 911, L11.	8.3	56
22	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
23	Monitoring the Morphology of M87* in 2009â€“2017 with the Event Horizon Telescope. Astrophysical Journal, 2020, 901, 67.	4.5	51
24	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. Astrophysical Journal, 2020, 897, 139.	4.5	47
25	Verification of Radiative Transfer Schemes for the EHT. Astrophysical Journal, 2020, 897, 148.	4.5	44
26	Superresolution Interferometric Imaging with Sparse Modeling Using Total Squared Variation: Application to Imaging the Black Hole Shadow. Astrophysical Journal, 2018, 858, 56.	4.5	43
27	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. Astrophysical Journal, 2021, 912, 35.	4.5	43
28	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2022, 930, L19.	8.3	43
29	ODYSSEY: A PUBLIC GPU-BASED CODE FOR GENERALÂRELATIVISTIC RADIATIVE TRANSFER IN KERR SPACETIME. Astrophysical Journal, 2016, 820, 105.	4.5	37
30	Hybrid Very Long Baseline Interferometry Imaging and Modeling with themis. Astrophysical Journal, 2020, 898, 9.	4.5	34
31	STEADY GENERAL RELATIVISTIC MAGNETOHYDRODYNAMIC INFLOW/OUTFLOW SOLUTION ALONG LARGE-SCALE MAGNETIC FIELDS THAT THREAD A ROTATING BLACK HOLE. Astrophysical Journal, 2015, 801, 56.	4.5	30
32	STRUCTURAL TRANSITION IN THE NGC 6251 JET: AN INTERPLAY WITH THE SUPERMASSIVE BLACK HOLE AND ITS HOST GALAXY. Astrophysical Journal, 2016, 833, 288.	4.5	30
33	INDICATION OF THE BLACK HOLE POWERED JET IN M87 BY VSOP OBSERVATIONS. Astrophysical Journal, 2016, 833, 56.	4.5	30
34	LEPTON ACCELERATION IN THE VICINITY OF THE EVENT HORIZON: HIGH-ENERGY AND VERY-HIGH-ENERGY EMISSIONS FROM ROTATING BLACK HOLES WITH VARIOUS MASSES. Astrophysical Journal, 2016, 833, 142.	4.5	30
35	THE EFFECTS OF ACCRETION FLOW DYNAMICS ON THE BLACK HOLE SHADOW OF SAGITTARIUS A*. Astrophysical Journal, 2016, 831, 4.	4.5	28
36	Probing the Innermost Accretion Flow Geometry of Sgr A* with Event Horizon Telescope. Astrophysical Journal, 2018, 863, 148.	4.5	24

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37	Spacetime Tomography Using the Event Horizon Telescope. Astrophysical Journal, 2020, 892, 132.	4.5	23
38	Selective Dynamical Imaging of Interferometric Data. Astrophysical Journal Letters, 2022, 930, L18.	8.3	21
39	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. Astrophysical Journal Letters, 2022, 930, L21.	8.3	20
40	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. Astrophysical Journal Letters, 2022, 930, L20.	8.3	20
41	Lepton Acceleration in the Vicinity of the Event Horizon: Very High Energy Emissions from Supermassive Black Holes. Astrophysical Journal, 2017, 845, 77.	4.5	17
42	Observable Emission Features of Black Hole GRMHD Jets on Event Horizon Scales. Astrophysical Journal, 2017, 845, 160.	4.5	16
43	Properties of Trans-fast Magnetosonic Jets in Black Hole Magnetospheres. Astrophysical Journal, 2020, 892, 37.	4.5	15
44	On spin dependence of relativistic acoustic geometry. Classical and Quantum Gravity, 2012, 29, 245020.	4.0	13
45	First-generation science cases for ground-based terahertz telescopes. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	12
46	The Greenland telescope: Thule operations. , 2018, , .		8
47	Searching for High-energy, Horizon-scale Emissions from Galactic Black Hole Transients during Quiescence. Astrophysical Journal, 2017, 845, 40.	4.5	7
48	LAUNCHING AND QUENCHING OF BLACK HOLE RELATIVISTIC JETS AT LOW ACCRETION RATE. Astrophysical Journal, 2012, 758, 113.	4.5	6
49	The Greenland Telescope: antenna retrofit status and future plans. Proceedings of SPIE, 2016, , .	0.8	6
50	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. Astrophysical Journal, 2022, 925, 13.	4.5	6
51	A Revised View of the Linear Polarization in the Subparsec Core of M87 at 7 mm. Astrophysical Journal, 2021, 922, 180.	4.5	5
52	Enhanced gamma radiation towards the rotation axis from the immediate vicinity of extremely rotating black holes. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 471, L135-L139.	3.3	4
53	Relativistic jet acceleration region in a black hole magnetosphere. Physical Review D, 2021, 104, .	4.7	3
54	High-energy and Very High Energy Emission from Stellar-mass Black Holes Moving in Gaseous Clouds. Astrophysical Journal, 2018, 867, 120.	4.5	2

#	Article	IF	Citations
55	Lightning black holes as unidentified TeV sources. Journal of Astrophysics and Astronomy, 2018, 39, 1.	1.0	2
56	Constraints on the Mass Accretion Rate onto the Supermassive Black Hole of Cygnus A Using the Submillimeter Array. Astrophysical Journal, 2021, 911, 35.	4.5	1
57	Observing the Black Hole Shadow of M87 and the Greenland Telescope Project: GR Test in the Strong Gravity Regime. , 2017, , .		0