

Sascha Trippe

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

4,005

citations

21

h-index

63

g-index

64

ext. papers

6,609

ext. citations

5.9

avg, IF

3.95

L-index

#	Paper	IF	Citations
63	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022 , 925, 13	4.7	2
62	Radio and γ -Ray Activity in the Jet of the Blazar S5 0716+714. <i>Astrophysical Journal</i> , 2022 , 925, 64	4.7	0
61	The Intrinsic Structure of Sagittarius A* at 1.3 cm and 7 mm. <i>Astrophysical Journal</i> , 2022 , 926, 108	4.7	3
60	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022 , 930, L14	7.9	20
59	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022 , 930, L21	7.9	9
58	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022 , 930, L17	7.9	14
57	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022 , 930, L13	7.9	16
56	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022 , 930, L15	7.9	16
55	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. <i>Astrophysical Journal Letters</i> , 2022 , 930, L12	7.9	23
54	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022 , 930, L18	7.9	7
53	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022 , 930, L19	7.9	11
52	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022 , 930, L20	7.9	8
51	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , 2022 , 930, L16	7.9	18
50	East Asian VLBI Network observations of active galactic nuclei jets: imaging with KaVA+Tianma+Nanshan. <i>Research in Astronomy and Astrophysics</i> , 2021 , 21, 205	1.5	6
49	An active galactic nucleus recognition model based on deep neural network. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 501, 3951-3961	4.3	7
48	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021 , 910, L14	7.9	28
47	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021 , 910, L13	7.9	70

46	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021 , 911, L11	7.9	16
45	Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021 , 103,	4.9	18
44	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021 , 912, 35	4.7	7
43	A Detailed Kinematic Study of 3C 84 and Its Connection to γ Rays. <i>Astrophysical Journal</i> , 2021 , 914, 43	4.7	2
42	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021 , 910, L12	7.9	58
41	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 897, 139	4.7	24
40	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020 , 640, A69	5.1	21
39	Sirius: a prototype astronomical intensity interferometer using avalanche photodiodes in linear mode. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 500, 5630-5638	4.3	0
38	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 901, 67	4.7	20
37	Investigating the connection between γ -ray activity and the relativistic jet in 3C 273 during 2015–2019. <i>Astronomy and Astrophysics</i> , 2020 , 636, A62	5.1	3
36	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020 , 125, 141104	7.4	74
35	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020 , 897, 148	4.7	18
34	Jet kinematics of the quasar 4C+21.35 from observations with the KaVA very long baseline interferometry array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 486, 2412-2421	4.3	11
33	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019 , 875, L3	7.9	267
32	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019 , 875, L2	7.9	325
31	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L4	7.9	411
30	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L1	7.9	1110
29	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019 , 875, L5	7.9	429

28	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L6	7.9	466
27	Faraday Rotation in the Jet of M87 inside the Bondi Radius: Indication of Winds from Hot Accretion Flows Confining the Relativistic Jet. <i>Astrophysical Journal</i> , 2019 , 871, 257	4.7	35
26	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243, 26	8	96
25	Ejection of Double Knots from the Radio Core of PKS 1510089 during the Strong Gamma-Ray Flares in 2015. <i>Astrophysical Journal</i> , 2019 , 877, 106	4.7	10
24	Kinematics of the M87 Jet in the Collimation Zone: Gradual Acceleration and Velocity Stratification. <i>Astrophysical Journal</i> , 2019 , 887, 147	4.7	29
23	KVN observations reveal multiple γ -ray emission regions in 3C 84?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 368-378	4.3	23
22	Exploring the Variability of the Flat Spectrum Radio Source 1633+382. I. Phenomenology of the Light Curves. <i>Astrophysical Journal</i> , 2018 , 852, 30	4.7	13
21	The Power of Simultaneous Multi-frequency Observations for mm-VLBI: Beyond Frequency Phase Transfer. <i>Astronomical Journal</i> , 2018 , 155, 26	4.9	10
20	Exploring the nature of the 2016 γ -ray emission in the blazar 1749+096. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 2324-2333	4.3	6
19	Exploring the Variability of the Flat-spectrum Radio Source 1633+382. II. Physical Properties. <i>Astrophysical Journal</i> , 2018 , 859, 128	4.7	10
18	Revealing the Nature of Blazar Radio Cores through Multifrequency Polarization Observations with the Korean VLBI Network. <i>Astrophysical Journal</i> , 2018 , 860, 112	4.7	14
17	THE LONG-TERM CENTIMETER VARIABILITY OF ACTIVE GALACTIC NUCLEI: A NEW RELATION BETWEEN VARIABILITY TIMESCALE AND ACCRETION RATE. <i>Astrophysical Journal</i> , 2017 , 834, 157	4.7	11
16	Pilot KaVA monitoring on the M87 jet: Confirming the inner jet structure and superluminal motions at sub-pc scales. <i>Publication of the Astronomical Society of Japan</i> , 2017 , 69,	3.2	44
15	PRIMORDIAL GRAVITATIONAL WAVES AND RESCATTERED ELECTROMAGNETIC RADIATION IN THE COSMIC MICROWAVE BACKGROUND. <i>Astrophysical Journal</i> , 2016 , 830, 161	4.7	1
14	INTERFEROMETRIC MONITORING OF GAMMA-RAY BRIGHT AGNs. I. THE RESULTS OF SINGLE-EPOCH MULTIFREQUENCY OBSERVATIONS. <i>Astrophysical Journal, Supplement Series</i> , 2016 , 227, 8	8	21
13	FIRST DETECTION OF 350 MICRON POLARIZATION FROM A RADIO-LOUD AGN. <i>Astrophysical Journal Letters</i> , 2015 , 808, L26	7.9	7
12	The graviton picture—a Bohr model for gravitation on galactic scales?. <i>Canadian Journal of Physics</i> , 2015 , 93, 213-216	1.1	1
11	AGN BROAD LINE REGIONS SCALE WITH BOLOMETRIC LUMINOSITY. <i>Journal of the Korean Astronomical Society</i> , 2015 , 48, 203-206		5

10	INTERFEROMETRIC MONITORING OF GAMMABAY BRIGHT ACTIVE GALACTIC NUCLEI II: FREQUENCY PHASE TRANSFER. <i>Journal of the Korean Astronomical Society</i> , 2015 , 48, 237-255		15
9	PAGAN I: MULTI-FREQUENCY POLARIMETRY OF AGN JETS WITH KVN. <i>Journal of the Korean Astronomical Society</i> , 2015 , 48, 285-298		1
8	PAGAN II: THE EVOLUTION OF AGN JETS ON SUB-PARSEC SCALES. <i>Journal of the Korean Astronomical Society</i> , 2015 , 48, 299-311		7
7	RADIO VARIABILITY AND RANDOM WALK NOISE PROPERTIES OF FOUR BLAZARS. <i>Publications of the Korean Astronomical Society</i> , 2015 , 30, 433-437		
6	INVESTIGATING PLASMA-PHYSICAL PROPERTIES OF JETS IN NEARBY RADIO-BRIGHT AGN WITH KVN AND KaVA. <i>Publications of the Korean Astronomical Society</i> , 2015 , 30, 453-455		1
5	RADIO VARIABILITY AND RANDOM WALK NOISE PROPERTIES OF FOUR BLAZARS. <i>Astrophysical Journal</i> , 2014 , 785, 76	4-7	20
4	VLBI observations of bright AGN jets with the KVN and VERA Array (KaVA): Evaluation of imaging capability. <i>Publication of the Astronomical Society of Japan</i> , 2014 , 66, 103	3-2	32
3	The "Missing Mass Problem" in Astronomy and the Need for a Modified Law of Gravity. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2014 , 69, 173-187	1-4	10
2	POLARIZATION AND POLARIMETRY: A REVIEW. <i>Journal of the Korean Astronomical Society</i> , 2014 , 47, 15-39		30
1	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,	12.1	13