Sascha Trippe

List of Publications by Year
in descending order

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64 papers	9,423 citations	147801 31 h-index	114465 63 g-index
64 all docs	64 docs citations	64 times ranked	3553 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	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. Physical Review Letters, 2020, 125, 141104.	7.8	190
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	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. Astrophysical Journal, Supplement Series, 2019, 243, 26.	7.7	175
14	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
15	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
16	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. Astrophysical Journal Letters, 2022, 930, L15.	8.3	137
17	Constraints on black-hole charges with the 2017 EHT observations of M87*. Physical Review D, 2021, 103, .	4.7	126
18	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. Astrophysical Journal Letters, 2021, 910, L14.	8.3	67

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19	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. Nature Astronomy, 2021, 5, 1017-1028.	10.1	65
20	Faraday Rotation in the Jet of M87 inside the Bondi Radius: Indication of Winds from Hot Accretion Flows Confining the Relativistic Jet. Astrophysical Journal, 2019, 871, 257.	4.5	62
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	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
24	Monitoring the Morphology of M87* in 2009â€“2017 with the Event Horizon Telescope. Astrophysical Journal, 2020, 901, 67.	4.5	51
25	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. Astrophysical Journal, 2020, 897, 139.	4.5	47
26	Kinematics of the M87 Jet in the Collimation Zone: Gradual Acceleration and Velocity Stratification. Astrophysical Journal, 2019, 887, 147.	4.5	46
27	POLARIZATION AND POLARIMETRY: A REVIEW. Journal of the Korean Astronomical Society, 2014, 47, 15-39.	1.5	45
28	Verification of Radiative Transfer Schemes for the EHT. Astrophysical Journal, 2020, 897, 148.	4.5	44
29	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. Astrophysical Journal, 2021, 912, 35.	4.5	43
30	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2022, 930, L19.	8.3	43
31	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
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	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
34	RADIO VARIABILITY AND RANDOM WALK NOISE PROPERTIES OF FOUR BLAZARS. Astrophysical Journal, 2014, 785, 76.	4.5	21
35	Revealing the Nature of Blazar Radio Cores through Multifrequency Polarization Observations with the Korean VLBI Network. Astrophysical Journal, 2018, 860, 112.	4.5	21
36	Selective Dynamical Imaging of Interferometric Data. Astrophysical Journal Letters, 2022, 930, L18.	8.3	21

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37	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. Astrophysical Journal Letters, 2022, 930, L21.	8.3	20
38	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. Astrophysical Journal Letters, 2022, 930, L20.	8.3	20
39	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
40	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
41	THE LONG-TERM CENTIMETER VARIABILITY OF ACTIVE GALACTIC NUCLEI: A NEW RELATION BETWEEN VARIABILITY TIMESCALE AND ACCRETION RATE*. Astrophysical Journal, 2017, 834, 157.	4.5	14
42	The Power of Simultaneous Multi-frequency Observations for mm-VLBI: Beyond Frequency Phase Transfer. Astronomical Journal, 2018, 155, 26.	4.7	14
43	Exploring the Variability of the Flat-spectrum Radio Source 1633+382. II. Physical Properties. Astrophysical Journal, 2018, 859, 128.	4.5	14
44	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
45	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
46	The â€˜Missing Mass Problemâ€™ in Astronomy and the Need for a Modified Law of Gravity. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2014, 69, 173-187.	1.5	13
47	The Intrinsic Structure of Sagittarius A* at 1.3 cm and 7 mm. Astrophysical Journal, 2022, 926, 108.	4.5	13
48	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
49	An active galactic nucleus recognition model based on deep neural network. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3951-3961.	4.4	11
50	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
51	PAGAN II: THE EVOLUTION OF AGN JETS ON SUB-PARSEC SCALES. Journal of the Korean Astronomical Society, 2015, 48, 299-311.	1.5	8
52	FIRST DETECTION OF 350 MICRON POLARIZATION FROM A RADIO-LOUD AGN. Astrophysical Journal Letters, 2015, 808, L26.	8.3	7
53	A Detailed Kinematic Study of 3C 84 and Its Connection to Î³-Rays. Astrophysical Journal, 2021, 914, 43.	4.5	7
54	Investigating the connection between Î³-ray activity and the relativistic jet in 3C 273 during 2015â€“2019. Astronomy and Astrophysics, 2020, 636, A62.	5.1	6

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55	AGN BROAD LINE REGIONS SCALE WITH BOLOMETRIC LUMINOSITY^{â€}. Journal of the Korean Astronomical Society, 2015, 48, 203-206.	1.5	6
56	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. Astrophysical Journal, 2022, 925, 13.	4.5	6
57	Radio and Î³-Ray Activity in the Jet of the Blazar S5 0716+714. Astrophysical Journal, 2022, 925, 64.	4.5	6
58	A persistent double nuclear structure in 3CÂ84. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1024-1035.	4.4	5
59	The â€œgraviton pictureâ€: a Bohr model for gravitation on galactic scales?. Canadian Journal of Physics, 2015, 93, 213-216.	1.1	1
60	PRIMORDIAL GRAVITATIONAL WAVES AND RESCATTERED ELECTROMAGNETIC RADIATION IN THE COSMIC MICROWAVE BACKGROUND. Astrophysical Journal, 2016, 830, 161.	4.5	1
61	PAGAN I: MULTI-FREQUENCY POLARIMETRY OF AGN JETS WITH KVN. Journal of the Korean Astronomical Society, 2015, 48, 285-298.	1.5	1
62	INVESTIGATING PLASMA-PHYSICAL PROPERTIES OF JETS IN NEARBY RADIO-BRIGHT AGN WITH KVN AND KaVA. Publications of the Korean Astronomical Society, 2015, 30, 453-455.	0.0	1
63	<scp>Sirius</scp>: a prototype astronomical intensity interferometer using avalanche photodiodes in linear mode. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5630-5638.	4.4	1
64	RADIO VARIABILITY AND RANDOM WALK NOISE PROPERTIES OF FOUR BLAZARS. Publications of the Korean Astronomical Society, 2015, 30, 433-437.	0.0	0