

Mahito Sasada

List of Publications by Citations

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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

4,056

citations

21

h-index

63

g-index

63

ext. papers

6,533

ext. citations

5.4

avg, IF

3.43

L-index

#	Paper	IF	Citations
63	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
62	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
61	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019 , 875, L5	7.9	429
60	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L4	7.9	411
59	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019 , 875, L2	7.9	325
58	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019 , 875, L3	7.9	267
57	Photopolarimetric Monitoring of Blazars in the Optical and Near-Infrared Bands with the Kanata Telescope. I. Correlations between Flux, Color, and Polarization. <i>Publication of the Astronomical Society of Japan</i> , 2011 , 63, 639-675	3.2	123
56	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243, 26	8	96
55	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
54	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021 , 910, L12	7.9	58
53	Detection of Polarimetric Variations Associated with the Shortest Time-Scale Variability in S5 0716+714. <i>Publication of the Astronomical Society of Japan</i> , 2008 , 60, L37-L41	3.2	45
52	Multiband Photopolarimetric Monitoring of an Outburst of the Blazar 3C 454.3 in 2007. <i>Publication of the Astronomical Society of Japan</i> , 2010 , 62, 645-652	3.2	36
51	MULTIFREQUENCY PHOTO-POLARIMETRIC WEBT OBSERVATION CAMPAIGN ON THE BLAZAR S5 0716+714: SOURCE MICROVARIABILITY AND SEARCH FOR CHARACTERISTIC TIMESCALES. <i>Astrophysical Journal</i> , 2016 , 831, 92	4.7	34
50	SYSTEMATIC STUDY OF GAMMA-RAY-BRIGHT BLAZARS WITH OPTICAL POLARIZATION AND GAMMA-RAY VARIABILITY. <i>Astrophysical Journal</i> , 2016 , 833, 77	4.7	32
49	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021 , 910, L14	7.9	28
48	A LUMINOUS AND FAST-EXPANDING TYPE Ib SUPERNOVA SN 2012au. <i>Astrophysical Journal Letters</i> , 2013 , 772, L17	7.9	27
47	Bayesian Approach to Find a Long-Term Trend in Erratic Polarization Variations Observed in Blazars. <i>Publication of the Astronomical Society of Japan</i> , 2010 , 62, 69-80	3.2	25

46	Prominent Polarized Flares of the Blazars AO 0235164 and PKS 1510089. <i>Publication of the Astronomical Society of Japan</i> , 2011 , 63, 489-497	3.2	25
45	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 897, 139	4.7	24
44	HONIR: an optical and near-infrared simultaneous imager, spectrograph, and polarimeter for the 1.5-m Kanata telescope 2014 ,		23
43	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
42	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
41	ANTI-CORRELATED OPTICAL FLUX AND POLARIZATION VARIABILITY IN BL LAC. <i>Astrophysical Journal Letters</i> , 2014 , 781, L4	7.9	20
40	Monitoring the Morphology of M87* in 2009-2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 901, 67	4.7	20
39	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
38	Multi-Wavelength Photometric and Polarimetric Observations of the Outburst of 3C 454.3 in 2009 December. <i>Publication of the Astronomical Society of Japan</i> , 2012 , 64, 58	3.2	19
37	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020 , 897, 148	4.7	18
36	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
35	Variable optical polarization during high state in E-ray loud, narrow-line Seyfert 1 galaxy 1H 0323+342. <i>Publication of the Astronomical Society of Japan</i> , 2014 , 66, 108	3.2	16
34	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
33	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
32	DENSE OPTICAL AND NEAR-INFRARED MONITORING OF CTA 102 DURING HIGH STATE IN 2012 WITH OISTER: DETECTION OF INTRA-NIGHT ORPHAN POLARIZED FLUX FLARE <i>Astrophysical Journal Letters</i> , 2013 , 768, L24	7.9	15
31	Time-resolved spectroscopy and photometry of M dwarf flare star YZ Canis Minoris with OISTER and TESS: Blue asymmetry in the H β line during the non-white light flare. <i>Publication of the Astronomical Society of Japan</i> , 2021 , 73, 44-65	3.2	15
30	X-Ray and Optical Monitoring of a Gamma-Ray-Emitting Radio Galaxy, NGC 1275. <i>Publication of the Astronomical Society of Japan</i> , 2013 , 65, 30	3.2	14
29	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022 , 930, L17	7.9	14

28	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,	12.1	13
27	SN 2019ein: New Insights into the Similarities and Diversity among High-velocity Type Ia Supernovae. <i>Astrophysical Journal</i> , 2020 , 893, 143	4.7	12
26	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
25	Understanding the general feature of microvariability in Kepler blazar W2R 1926+42. <i>Publication of the Astronomical Society of Japan</i> , 2017 , 69, 15	3.2	10
24	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
23	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
22	EXTREMELY HIGH POLARIZATION IN THE 2010 OUTBURST OF BLAZAR 3C 454.3. <i>Astrophysical Journal</i> , 2014 , 784, 141	4.7	7
21	An optical and near-infrared multipurpose instrument HONIR 2012 ,		7
20	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021 , 912, 35	4.7	7
19	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022 , 930, L18	7.9	7
18	SN 2018hna: 1987A-like Supernova with a Signature of Shock Breakout. <i>Astrophysical Journal Letters</i> , 2019 , 882, L15	7.9	6
17	Photopolarimetric Monitoring of the Blazar BL Lac in the Optical and Near-Infrared Bands: Decay of the Long-Lived Component. <i>Publication of the Astronomical Society of Japan</i> , 2013 , 65, 35	3.2	6
16	Optical follow-up observation for GW event S190510g using Subaru/Hyper Suprime-Cam. <i>Publication of the Astronomical Society of Japan</i> , 2021 , 73, 350-364	3.2	5
15	Anti-Correlation of Near-Infrared and X-Ray Variations of the Microquasar GRS 1915+105 in the Soft State. <i>Publication of the Astronomical Society of Japan</i> , 2009 , 61, L1-L5	3.2	4
14	Calcium-rich Transient SN 2019ehk in a Star-forming Environment: Yet Another Candidate for a Precursor of a Double Neutron-star Binary. <i>Astrophysical Journal</i> , 2021 , 912, 30	4.7	4
13	Optical Emission and Particle Acceleration in a Quasi-stationary Component in the Jet of OJ 287. <i>Astrophysical Journal</i> , 2018 , 864, 67	4.7	4
12	An emergence of a new polarized emission region in blazar Mrk 421 associated with an X-ray flare. <i>Publication of the Astronomical Society of Japan</i> , 2015 , 67, 45	3.2	3
11	A Study of the Long-Term Spectral Variations of 3C 66A Observed with the Fermi and Kanata Telescopes. <i>Publication of the Astronomical Society of Japan</i> , 2013 , 65, 18	3.2	3

10	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022 , 925, 13	4-7	2
9	J-GEM optical and near-infrared follow-up of gravitational wave events during LIGO \AA and Virgo \AA third observing run. <i>Progress of Theoretical and Experimental Physics</i> , 2021 , 2021,	5-4	2
8	Origin of the UV to X-Ray Emission of Radio Galaxy NGC 1275 Explored by Analyzing Its Variability. <i>Astrophysical Journal</i> , 2021 , 906, 30	4-7	2
7	Follow-up observations for IceCube-170922A: Detection of rapid near-infrared variability and intensive monitoring of TXS 0506+056. <i>Publication of the Astronomical Society of Japan</i> , 2021 , 73, 25-43	3-2	2
6	Prominent polarized flares of the blazars AO 0235+164 and PKS 1510-089. <i>Journal of Physics: Conference Series</i> , 2012 , 355, 012023	0-3	1
5	Gravitational Wave Physics and Astronomy in the nascent era. <i>Progress of Theoretical and Experimental Physics</i> ,	5-4	1
4	The Optical Variability of the BL Lac AO 0235+164. <i>Galaxies</i> , 2016 , 4, 17	2	1
3	Origins of the Long-term Variability of the Near-infrared Emission of the Black Hole X-Ray Binary GRS 1915+105 in the X-Ray Low Luminous State. <i>Astrophysical Journal</i> , 2021 , 916, 114	4-7	0
2	Study of the Time-Series of Microvariability in Kepler Blazar W2R 1926+42. <i>Galaxies</i> , 2017 , 5, 13	2	
1	Simultaneous Visible and Near-Infrared Variability of Classical T Tauri Stars. <i>Proceedings of the International Astronomical Union</i> , 2013 , 8, 149-150	0-1	