

# Satoki Matsushita

## List of Publications by Year in descending order

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177  
papers

13,764  
citations

47006

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179  
docs citations

179  
times ranked

6854  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022, 925, 13.	4.5	6
2	ALMA High-frequency Long-baseline Campaign in 2017: An Investigation of Phase-referencing Cycle Times and Effective Baseline Lengths Using Band-to-band and In-band Phase Calibration Techniques. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 10.	7.7	3
3	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L14.	8.3	163
4	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022, 930, L21.	8.3	20
5	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17.	8.3	215
6	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13.	8.3	142
7	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022, 930, L15.	8.3	137
8	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.	8.3	568
9	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18.	8.3	21
10	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022, 930, L19.	8.3	43
11	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022, 930, L20.	8.3	20
12	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.	8.3	187
13	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12.	8.3	215
14	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.	8.3	67
15	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021, 910, L13.	8.3	297
16	Black hole mass measurement using ALMA observations of [CI] and CO emissions in the Seyfert 1 galaxy NGC 7469. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4123-4142.	4.4	16
17	Constraints on the Mass Accretion Rate onto the Supermassive Black Hole of Cygnus A Using the Submillimeter Array. <i>Astrophysical Journal</i> , 2021, 911, 35.	4.5	1
18	A giant molecular cloud catalogue in the molecular disc of the elliptical galaxy NGC 5128 (Centaurus A). <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 6198-6215.	4.4	4

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19	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11.	8.3	56
20	Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021, 103, .	4.7	126
21	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35.	4.5	43
22	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028.	10.1	65
23	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020, 125, 141104.	7.8	190
24	The MALATANG survey: dense gas and star formation from high-transition HCN and HCO+ maps of NGC 253. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1276-1296.	4.4	9
25	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148.	4.5	44
26	ALMA 50-parsec-resolution Imaging of Jet-ISM Interaction in the Lensed Quasar MG J0414+0534. <i>Astrophysical Journal Letters</i> , 2020, 892, L18.	8.3	6
27	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139.	4.5	47
28	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	54
29	SYMBA: An end-to-end VLBI synthetic data generation pipeline. <i>Astronomy and Astrophysics</i> , 2020, 636, A5.	5.1	18
30	A More Efficient Search for H <sub>2</sub> O Megamaser Galaxies: The Power of X-Ray and Mid-infrared Photometry. <i>Astrophysical Journal</i> , 2020, 892, 18.	4.5	7
31	ALMA Observations of Multiple CO and C Lines toward the Active Galactic Nucleus of NGC 7469: An X-Ray-dominated Region Caught in the Act. <i>Astrophysical Journal</i> , 2020, 898, 75.	4.5	38
32	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.	4.5	51
33	ALMA High-frequency Long-baseline Campaign in 2017: A Comparison of the Band-to-band and In-band Phase Calibration Techniques and Phase-calibrator Separation Angles. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 18.	7.7	5
34	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	7.7	175
35	ALMA Observations of the Terahertz Spectrum of Sagittarius A*. <i>Astrophysical Journal Letters</i> , 2019, 881, L2.	8.3	40
36	Greenland Telescope (GLT): Imaging the Black Hole Shadow. , 2019, , .		0

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37	The First Bird's-eye View of a Gravitationally Unstable Accretion Disk in High-mass Star Formation. <i>Astrophysical Journal Letters</i> , 2019, 877, L25.	8.3	26
38	Precipitable Water Vapor, Temperature, and Wind Statistics At Sites Suitable for mm and Submm Wavelength Astronomy in Northern Chile. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 045001.	3.1	16
39	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.	8.3	519
40	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	8.3	618
41	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	8.3	806
42	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.	8.3	2,264
43	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.	8.3	814
44	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6.	8.3	897
45	Star Formation Efficiencies at Giant Molecular Cloud Scales in the Molecular Disk of the Elliptical Galaxy NGC 5128 (Centaurus A). <i>Astrophysical Journal</i> , 2019, 887, 88.	4.5	13
46	High-energy and Very High Energy Emission from Stellar-mass Black Holes Moving in Gaseous Clouds. <i>Astrophysical Journal</i> , 2018, 867, 120.	4.5	2
47	Molecular Gas and Star Formation Properties in Early Stage Mergers: SMA CO(2-1) Observations of the LIRGs NGC 3110 and NGC 232. <i>Astrophysical Journal</i> , 2018, 866, 77.	4.5	16
48	Lightning black holes as unidentified TeV sources. <i>Journal of Astrophysics and Astronomy</i> , 2018, 39, 1.	1.0	2
49	An ALMA view of star formation efficiency suppression in early-type galaxies after gas-rich minor mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 122-132.	4.4	28
50	The MALATANG Survey: The $L_{\text{GAS}} \propto L_{\text{IR}}$ Correlation on Sub-kiloparsec Scale in Six Nearby Star-forming Galaxies as Traced by HCN $J=4 \rightarrow 3$ and HCO $J=4 \rightarrow 3$ . <i>Astrophysical Journal</i> , 2018, 860, 165.	4.5	35
51	Electronics instrumentation for the Greenland telescope. , 2018, , .		3
52	The Greenland telescope: Thule operations. , 2018, , .		8
53	The first-light receivers for the Greenland Telescope. , 2018, , .		4
54	GLT receiver commissioning at JCMT and future JCMT instrumentation. , 2018, , .		1

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55	Control and monitoring system for the Greenland telescope: computers, network and software. , 2018, , .		3
56	Commissioning status of the Greenland telescope. , 2018, , .		4
57	ALMA Long Baseline Campaigns: Phase Characteristics of Atmosphere at Long Baselines in the Millimeter and Submillimeter Wavelengths. Publications of the Astronomical Society of the Pacific, 2017, 129, 035004.	3.1	39
58	Luminous Infrared Galaxies with the Submillimeter Array. V. Molecular Gas in Intermediate to Late-stage Mergers. Astrophysical Journal, 2017, 840, 8.	4.5	18
59	3.5 Year Monitoring of 225 GHz Opacity at the Summit of Greenland. Publications of the Astronomical Society of the Pacific, 2017, 129, 025001.	3.1	11
60	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
61	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
62	Searching for High-energy, Horizon-scale Emissions from Galactic Black Hole Transients during Quiescence. Astrophysical Journal, 2017, 845, 40.	4.5	7
63	Disentangling the Circumnuclear Environs of Centaurus A. III. An Inner Molecular Ring, Nuclear Shocks, and the CO to Warm H <sub>2</sub> Interface. Astrophysical Journal, 2017, 843, 136.	4.5	28
64	Evidence for a Dusty Dark Dwarf Galaxy in the Quadruple Lens MG 0414+0534. Astrophysical Journal Letters, 2017, 835, L23.	8.3	4
65	Ground-based Mid-infrared Study of the Compton-thick AGN in M51 at 10 <sup>2</sup> –100 pc Scale*. Astrophysical Journal, 2017, 835, 169.	4.5	2
66	ALMA Observations of the Gravitational Lens SDP.9. Astrophysical Journal Letters, 2017, 843, L35.	8.3	12
67	On the Disappearance of a Cold Molecular Torus around the Low-luminosity Active Galactic Nucleus of NGC 1097. Astrophysical Journal Letters, 2017, 845, L5.	8.3	15
68	1000 au exterior arcs connected to the protoplanetary disk around HL Tauri. Astronomy and Astrophysics, 2017, 608, A134.	5.1	25
69	Phase correction for ALMA. Investigating water vapour radiometer scaling: The long-baseline science verification data case study. Astronomy and Astrophysics, 2017, 605, A121.	5.1	15
70	THE MOLECULAR BARYON CYCLE OF M82. Astrophysical Journal, 2016, 830, 72.	4.5	12
71	THE FOSSIL NUCLEAR OUTFLOW IN THE CENTRAL 30 pc OF THE GALACTIC CENTER. Astrophysical Journal, 2016, 831, 72.	4.5	10
72	The 492 GHz emission of Sgr A* constrained by ALMA. Astronomy and Astrophysics, 2016, 593, A44.	5.1	22

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73	Linearly polarized millimeter and submillimeter continuum emission of Sgr A* constrained by ALMA. <i>Astronomy and Astrophysics</i> , 2016, 593, A107.	5.1	29
74	The Greenland Telescope: antenna retrofit status and future plans. <i>Proceedings of SPIE</i> , 2016, , .	0.8	6
75	ALMA long baseline phase calibration using phase referencing. <i>Proceedings of SPIE</i> , 2016, , .	0.8	8
76	LEPTON ACCELERATION IN THE VICINITY OF THE EVENT HORIZON: HIGH-ENERGY AND VERY-HIGH-ENERGY EMISSIONS FROM ROTATING BLACK HOLES WITH VARIOUS MASSES. <i>Astrophysical Journal</i> , 2016, 833, 142.	4.5	30
77	ACA [CI] observations of the starburst galaxy NGC 253. <i>Astronomy and Astrophysics</i> , 2016, 592, L3.	5.1	34
78	ALMA imprint of intergalactic dark structures in the gravitational lens SDP.81. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 2936-2950.	4.4	23
79	SUBMILLIMETER-HCN DIAGRAM FOR ENERGY DIAGNOSTICS IN THE CENTERS OF GALAXIES. <i>Astrophysical Journal</i> , 2016, 818, 42.	4.5	63
80	First-generation science cases for ground-based terahertz telescopes. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, .	2.5	12
81	Atmospheric phase characteristics of the ALMA long baseline. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
82	ALMA OBSERVATIONS OF THE SUBMILLIMETER DENSE MOLECULAR GAS TRACERS IN THE LUMINOUS TYPE-1 ACTIVE NUCLEUS OF NGC 7469. <i>Astrophysical Journal</i> , 2015, 811, 39.	4.5	41
83	LOCAL INSTABILITY SIGNATURES IN ALMA OBSERVATIONS OF DENSE GAS IN NGC 7469. <i>Astrophysical Journal Letters</i> , 2015, 806, L34.	8.3	12
84	THE INNERMOST MASS DISTRIBUTION OF THE GRAVITATIONAL LENS SDP.81 FROM ALMA OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 811, 115.	4.5	30
85	THE 2014 ALMA LONG BASELINE CAMPAIGN: AN OVERVIEW. <i>Astrophysical Journal Letters</i> , 2015, 808, L1.	8.3	90
86	THE 2014 ALMA LONG BASELINE CAMPAIGN: OBSERVATIONS OF THE STRONGLY LENSED SUBMILLIMETER GALAXY HATLAS J090311.6+003906 AT $z = 3.042$ . <i>Astrophysical Journal Letters</i> , 2015, 808, L4.	8.3	86
87	THE 2014 ALMA LONG BASELINE CAMPAIGN: OBSERVATIONS OF ASTEROID 3 JUNO AT 60 KILOMETER RESOLUTION. <i>Astrophysical Journal Letters</i> , 2015, 808, L2.	8.3	15
88	THE 2014 ALMA LONG BASELINE CAMPAIGN: FIRST RESULTS FROM HIGH ANGULAR RESOLUTION OBSERVATIONS TOWARD THE HL TAU REGION. <i>Astrophysical Journal Letters</i> , 2015, 808, L3.	8.3	877
89	RESOLVING THE BRIGHT HCN( $1\leftarrow 0$ ) EMISSION TOWARD THE SEYFERT 2 NUCLEUS OF M51: SHOCK ENHANCEMENT BY RADIO JETS AND WEAK MASING BY INFRARED PUMPING?. <i>Astrophysical Journal</i> , 2015, 799, 26.	4.5	34
90	Multimolecule ALMA observations toward the Seyfert 1 galaxy NGC 1097. <i>Astronomy and Astrophysics</i> , 2015, 573, A116.	5.1	65

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91	THE GALACTIC-SCALE MOLECULAR OUTFLOWS IN STARBURST GALAXIES NGC 2146 AND NGC 3628. Publications of the Korean Astronomical Society, 2015, 30, 499-502.	0.0	0
92	AROUND THE RING WE GO: THE COLD, DENSE RING OF MOLECULAR GAS IN NGC 1614. Astrophysical Journal Letters, 2014, 796, L15.	8.3	23
93	MEASURING MASS ACCRETION RATE ONTO THE SUPERMASSIVE BLACK HOLE IN M87 USING FARADAY ROTATION MEASURE WITH THE SUBMILLIMETER ARRAY. Astrophysical Journal Letters, 2014, 783, L33.	8.3	103
94	HighMass-HIGH H I MASS, H I-RICH GALAXIES AT $z \sim 0$ SAMPLE DEFINITION, OPTICAL AND $H\alpha$ IMAGING, AND STAR FORMATION PROPERTIES. Astrophysical Journal, 2014, 793, 40.	4.5	36
95	ALMA fast switching phase calibration on long baselines. Proceedings of SPIE, 2014, , .	0.8	6
96	Phase characteristics of the ALMA 3-km baseline data. Proceedings of SPIE, 2014, , .	0.8	2
97	The Greenland Telescope (GLT): antenna status and future plans. , 2014, , .		2
98	Greenland telescope project: Direct confirmation of black hole with submillimeter VLBI. Radio Science, 2014, 49, 564-571.	1.6	39
99	Instrumentation for single-dish observations with The Greenland Telescope. , 2014, , .		4
100	225GHz opacity measurements at Summit camp, Greenland, for the GreenLand Telescope (GLT) site testing. , 2014, , .		3
101	ALMA FOLLOWS STREAMING OF DENSE GAS DOWN TO 40 pc FROM THE SUPERMASSIVE BLACK HOLE IN NGC 1097. Astrophysical Journal Letters, 2013, 770, L27.	8.3	31
102	Submillimeter ALMA Observations of the Dense Gas in the Low-Luminosity Type-1 Active Nucleus of NGC1097. Publication of the Astronomical Society of Japan, 2013, 65, .	2.5	78
103	LUMINOUS INFRARED GALAXIES WITH THE SUBMILLIMETER ARRAY. IV. $^{12}\text{CO} J=6-5$ OBSERVATIONS OF W 114. Astrophysical Journal, 2013, 777, 126.	4.5	22
104	FORMATION OF DENSE MOLECULAR GAS AND STARS AT THE CIRCUMNUCLEAR STARBURST RING IN THE BARRED GALAXY NGC 7552. Astrophysical Journal, 2013, 768, 57.	4.5	13
105	Discovery of an Outstanding Disk in the cD Galaxy of the HydraA Cluster. Publication of the Astronomical Society of Japan, 2013, 65, .	2.5	4
106	Greenland Telescope (GLT) Project. EPJ Web of Conferences, 2013, 61, 01008.	0.3	2
107	INTERFEROMETRIC $\text{CO}(3\rightarrow 2)$ OBSERVATIONS TOWARD THE CENTRAL REGION OF NGC 1068. Astrophysical Journal, 2012, 746, 129.	4.5	29
108	FIRST DETECTION OF A SUBKILOPARSEC SCALE MOLECULAR OUTFLOW IN THE STARBURST GALAXY NGC 3628. Astrophysical Journal, 2012, 752, 38.	4.5	26

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109	LUMINOUS INFRARED GALAXIES WITH THE SUBMILLIMETER ARRAY. III. THE DENSE KILOPARSEC MOLECULAR CONCENTRATIONS OF Arp 299. <i>Astrophysical Journal</i> , 2012, 753, 46.	4.5	34
110	UNVEILING THE PHYSICAL PROPERTIES AND KINEMATICS OF MOLECULAR GAS IN THE ANTENNAE GALAXIES (NGC 4038/9) THROUGH HIGH-RESOLUTION CO ( $J=3-2$ ) OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 745, 65.	4.5	49
111	10 pc Scale Circumnuclear Molecular Gas Imaging of Nearby AGNs. <i>Journal of Physics: Conference Series</i> , 2012, 372, 012043.	0.4	1
112	Star Formation Timescale in the Circumnuclear Starburst Ring of Barred Galaxy NGC 7552. <i>Journal of Physics: Conference Series</i> , 2012, 372, 012066.	0.4	0
113	GIANT MOLECULAR CLOUDS AND STAR FORMATION IN THE TIDAL MOLECULAR ARM OF NGC 4039. <i>Astrophysical Journal Letters</i> , 2012, 760, L25.	8.3	10
114	DISENTANGLING THE CIRCUMNUCLEAR ENVIRONS OF CENTAURUS A: GASEOUS SPIRAL ARMS IN A GIANT ELLIPTICAL GALAXY. <i>Astrophysical Journal Letters</i> , 2012, 756, L10.	8.3	11
115	ALMA system verification. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
116	ACA phase calibration scheme with the ALMA water vapor radiometers. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
117	Opacity measurements at Summit Camp on Greenland and PEARL in northern Canada with a 225 GHz tipping radiometer. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
118	ALMA temporal phase stability and the effectiveness of water vapor radiometer. <i>Proceedings of SPIE</i> , 2012, , .	0.8	4
119	PROBING CIRCUMNUCLEAR ENVIRONMENTS WITH THE HCN ( $J=3-2$ ) AND HCO <sup>+</sup> ( $J=1-0$ ) T <sub>mb</sub> ETQq1 1 0,784314 18	4.5	18
120	NGC 3801 caught in the act: a post-merger star-forming early-type galaxy with AGN jet feedback. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 422, L38-L42.	3.3	17
121	SUBMILLIMETER ARRAY/PLATEAU DE BURE INTERFEROMETER MULTIPLE LINE OBSERVATIONS OF THE NEARBY SEYFERT 2 GALAXY NGC 1068: SHOCK-RELATED GAS KINEMATICS AND HEATING IN THE CENTRAL 100 pc?. <i>Astrophysical Journal</i> , 2011, 736, 37.	4.5	98
122	STAR-FORMING CLOUD COMPLEXES IN THE CENTRAL MOLECULAR ZONE OF NGC 253. <i>Astrophysical Journal</i> , 2011, 735, 19.	4.5	69
123	High-resolution mapping of the physical conditions in two nearby active galaxies based on $^{12}\text{CO}(1\text{--}0)$ , $(2\text{--}1)$ , and $(3\text{--}2)$ lines. <i>Astronomy and Astrophysics</i> , 2011, 525, A18.	5.1	10
124	PHYSICAL PROPERTIES OF THE CIRCUMNUCLEAR STARBURST RING IN THE BARRED GALAXY NGC 1097. <i>Astrophysical Journal</i> , 2011, 736, 129.	4.5	52
125	Discovery of a spiral-host episodic radio galaxy. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2011, 417, L36-L40.	3.3	71
126	Fractal Structure of Isothermal Lines and Loops on the Cosmic Microwave Background. <i>Journal of the Physical Society of Japan</i> , 2011, 80, 074003.	1.6	11



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127	DISENTANGLING THE CIRCUMNUCLEAR ENVIRONS OF CENTAURUS A. II. ON THE NATURE OF THE BROAD ABSORPTION LINE. <i>Astrophysical Journal</i> , 2010, 720, 666-678.	4.5	21
128	UNVEILING THE NATURE OF SUBMILLIMETER GALAXY SXDF 850.6. <i>Astrophysical Journal</i> , 2010, 711, 974-979.	4.5	24
129	Testing the Atacama Compact Array Phase-Correction Scheme Using the Submillimeter Array. <i>Publication of the Astronomical Society of Japan</i> , 2010, 62, 1053-1062.	2.5	3
130	Dense and Warm Molecular Gas and Warm Dust in Nearby Galaxies. <i>Publication of the Astronomical Society of Japan</i> , 2010, 62, 409-421.	2.5	16
131	Molecular Gas Properties of Galaxies: The SMA CO(2-1) BODEGA Legacy Project. , 2010, , 97-104.		2
132	LUMINOUS INFRARED GALAXIES WITH THE SUBMILLIMETER ARRAY. II. COMPARING THE CO (3-2) SIZES AND LUMINOSITIES OF LOCAL AND HIGH-REDSHIFT LUMINOUS INFRARED GALAXIES. <i>Astrophysical Journal</i> , 2009, 695, 1537-1549.	4.5	118
133	SMA <sup>12</sup> CO( <i>J</i> ) = 6 $\hat{=}$ 5) AND 435 $\hat{=}$ 1/4m INTERFEROMETRIC IMAGING OF THE NUCLEAR REGION OF Arp 220. <i>Astrophysical Journal</i> , 2009, 693, 56-68.	4.5	46
134	DISENTANGLING THE CIRCUMNUCLEAR ENVIRONS OF CENTAURUS A. I. HIGH-RESOLUTION MOLECULAR GAS IMAGING. <i>Astrophysical Journal</i> , 2009, 695, 116-134.	4.5	31
135	Molecular Superbubbles and Outflows from the Starburst Galaxy NGC 2146. <i>Publication of the Astronomical Society of Japan</i> , 2009, 61, 237-250.	2.5	30
136	Luminous infrared galaxies with the submillimeter array: probing the extremes of star formation. <i>Astrophysics and Space Science</i> , 2008, 313, 297-302.	1.4	0
137	MOLECULAR GAS AND STAR FORMATION IN ARP 302. <i>Astronomical Journal</i> , 2008, 136, 1118-1126.	4.7	0
138	Luminous Infrared Galaxies with the Submillimeter Array. I. Survey Overview and the Central Gas to Dust Ratio. <i>Astrophysical Journal, Supplement Series</i> , 2008, 178, 189-224.	7.7	150
139	Interferometric <sup>12</sup> CO( <i>J</i> ) = 2 $\hat{=}$ 1 Image of the Nuclear Region of Seyfert 1 Galaxy NGC 1097. <i>Astrophysical Journal</i> , 2008, 683, 70-77.	4.5	31
140	Tracing star formation in galaxies with molecular line and continuum observations. <i>EAS Publications Series</i> , 2008, 31, 65-71.	0.3	2
141	Molecular Bubbles and Outflows in the Edge-on Starburst Galaxies M82 and NGC 2146. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2008, , 352-352.	0.3	0
142	Structure and Kinematics of CO (J=2-1) Emission in the Central Region of NGC 4258. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2008, , 375-375.	0.3	0
143	Structure and Kinematics of CO (J=2 $\hat{=}$ 1) Emission in the Central Region of NGC 4258. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2008, , 331-332.	0.3	0
144	Giant Molecular Association in Spiral Arms of M 31: I. Evidence for Dense Gas Formation via Spiral Shock Associated with Density Waves?. <i>Publication of the Astronomical Society of Japan</i> , 2007, 59, 33-42.	2.5	23

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145	Detection of CO Hot Spots Associated with Young Clusters in the Southern Starburst Galaxy NGC 1365. <i>Astrophysical Journal</i> , 2007, 654, 782-798.	4.5	32
146	High-Resolution Imaging of Warm and Dense Molecular Gas in the Nuclear Region of the Luminous Infrared Galaxy NGC 6240. <i>Astrophysical Journal</i> , 2007, 659, 283-295.	4.5	68
147	SMA High Angular Resolution Imaging of the Lensed Quasar APM 08279+5255. <i>Astrophysical Journal</i> , 2007, 671, L5-L8.	4.5	14
148	High-Resolution Molecular Gas Maps of M33. <i>Astrophysical Journal</i> , 2007, 661, 830-844.	4.5	104
149	The Circumnuclear Molecular Gas in the Seyfert Galaxy NGC 4945. <i>Astrophysical Journal</i> , 2007, 670, 116-128.	4.5	37
150	Jet-disturbed molecular gas near the Seyfert 2 nucleus in M 51. <i>Astronomy and Astrophysics</i> , 2007, 468, L49-L52.	5.1	34
151	Structure and Kinematics of CO(2-1) Emission in the Central Region of NGC 4258. <i>Astrophysical Journal</i> , 2007, 658, 851-858.	4.5	10
152	Elevation angle dependence of the SMA antenna focus position. , 2006, , .		2
153	Molecular Superbubbles in the Starburst Galaxy NGC 253. <i>Astrophysical Journal</i> , 2006, 636, 685-697.	4.5	75
154	A Detection of [C ii] Line Emission in the z = 4.7 QSO BR 1202-0725. <i>Astrophysical Journal</i> , 2006, 645, L97-L100.	4.5	78
155	Interferometric 890 $\mu$ m Images of High-Redshift Submillimeter Galaxies. <i>Astrophysical Journal</i> , 2006, 640, L1-L4.	4.5	69
156	Starburst at the Expanding Molecular Superbubble in M82: Self-Induced Starburst at the Inner Edge of the Superbubble. <i>Astrophysical Journal</i> , 2005, 618, 712-722.	4.5	26
157	Chandra Observation of the Starburst Galaxy NGC 2146. <i>Publication of the Astronomical Society of Japan</i> , 2005, 57, 135-145.	2.5	16
158	M82 X-1. <i>Progress of Theoretical Physics Supplement</i> , 2004, 155, 59-66.	0.1	5
159	High-Density Molecular Gas in the Infrared-bright Galaxy System VV 114. <i>Astrophysical Journal</i> , 2004, 616, L63-L66.	4.5	34
160	Submillimeter Array Observations of CS J = 14-13 Emission from the Evolved Star IRC +10216. <i>Astrophysical Journal</i> , 2004, 616, L51-L54.	4.5	8
161	Molecular Gas around the Double Nucleus in M83. <i>Astrophysical Journal</i> , 2004, 616, L59-L62.	4.5	43
162	Submillimeter Array 12 CO (3-2) Interferometric Observations of the Central Region of M51. <i>Astrophysical Journal</i> , 2004, 616, L55-L58.	4.5	48

#	ARTICLE	IF	CITATIONS
163	FTS Measurements of Submillimeter-Wave Atmospheric Opacity at Pampa la Bola: III. Water Vapor, Liquid Water, and 183 GHz Water Vapor Line Opacities. Publication of the Astronomical Society of Japan, 2003, 55, 325-333.	2.5	12
164	Multi-Line Observations of Molecular Gas in the Central Region of the Low Star-Formation Efficiency "Starburst" Galaxy NGC 4527. Publication of the Astronomical Society of Japan, 2003, 55, 87-101.	2.5	11
165	Aperture Synthesis CO(J=1"0) Observations and Near-Infrared Photometry of the Non-Barred Seyfert Galaxy NGC 5033. Publication of the Astronomical Society of Japan, 2003, 55, 103-119.	2.5	12
166	Enhanced HCN (1-0) Emission in the Type-1 Seyfert Galaxy NGC 1097. Publication of the Astronomical Society of Japan, 2003, 55, L1-L5.	2.5	55
167	Diffuse and Gravitationally Stable Molecular Gas in the Post-Starburst Galaxy NGC 5195. Publication of the Astronomical Society of Japan, 2002, 54, 541-553.	2.5	34
168	Variation of Molecular Cloud Properties across the Spiral Arm in M 51. Publication of the Astronomical Society of Japan, 2002, 54, 209-221.	2.5	29
169	Discovery of a Luminous, Variable, Off-Center Source in the Nucleus of M82 with the [ITAL]Chandra [ITAL] High-Resolution Camera. Astrophysical Journal, 2001, 547, L25-L28.	4.5	183
170	Missing Link Found? The "Runaway" Path to Supermassive Black Holes. Astrophysical Journal, 2001, 562, L19-L22.	4.5	250
171	Formation of a Massive Black Hole at the Center of the Superbubble in M82. Astrophysical Journal, 2000, 545, L107-L111.	4.5	66
172	<title>FTS measurements of submillimeter opacity and other site testing at Pampa la Bola</title> . , 2000, , .		7
173	FTS Measurements of Submillimeter-Wave Atmospheric Opacity at Pampa la Bola II : Supra-Terahertz Windows and Model Fitting. Publication of the Astronomical Society of Japan, 1999, 51, 603-610.	2.5	56
174	FTS Measurements of Submillimeter-Wave Atmospheric Opacity at Pampa la Bola. Publication of the Astronomical Society of Japan, 1998, 50, 359-366.	2.5	42
175	12CO(<i>J</i>=1"0) and 13CO(<i>J</i>=1"0) Mapping of the Starburst Galaxy M82. Publication of the Astronomical Society of Japan, 1998, 50, 309-315.	2.5	9
176	<title>FTS measurements of submillimeter-wave opacity at Pampa la Bola</title> . , 1998, 3357, 626.		3
177	High Density and High Temperature Circumnuclear Molecular Disk in M51. Astrophysical Journal, 1998, 495, 267-275.	4.5	35