Satoki Matsushita

List of Publications by Year
in descending order

177	13,764	47006 47	20961 115
papers	citations	h-index	g-index

179	179	179	6854
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	THE 2014 ALMA LONG BASELINE CAMPAIGN: FIRST RESULTS FROM HIGH ANGULAR RESOLUTION OBSERVATIONS TOWARD THE HL TAU REGION. Astrophysical Journal Letters, 2015, 808, L3.	8.3	877
4	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. Astrophysical Journal Letters, 2019, 875, L5.	8.3	814
5	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L4.	8.3	806
6	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. Astrophysical Journal Letters, 2019, 875, L2.	8.3	618
7	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
8	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. Astrophysical Journal Letters, 2019, 875, L3.	8.3	519
9	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. Astrophysical Journal Letters, 2021, 910, L13.	8.3	297
10	Missing Link Found? The â€œRunawayâ€•Path to Supermassive Black Holes. Astrophysical Journal, 2001, 562, L19-L22.	4.5	250
11	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2021, 910, L12.	8.3	215
12	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. Astrophysical Journal Letters, 2022, 930, L17.	8.3	215
13	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
14	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
15	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
16	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. Astrophysical Journal, Supplement Series, 2019, 243, 26.	7.7	175
17	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
18	Luminous Infrared Galaxies with the Submillimeter Array. I. Survey Overview and the Central Gas to Dust Ratio. Astrophysical Journal, Supplement Series, 2008, 178, 189-224.	7.7	150

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19	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
20	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. Astrophysical Journal Letters, 2022, 930, L15.	8.3	137
21	Constraints on black-hole charges with the 2017 EHT observations of M87*. Physical Review D, 2021, 103, .	4.7	126
22	LUMINOUS INFRARED GALAXIES WITH THE SUBMILLIMETER ARRAY. II. COMPARING THE CO (3-2) SIZES AND LUMINOSITIES OF LOCAL AND HIGH-REDSHIFT LUMINOUS INFRARED GALAXIES. Astrophysical Journal, 2009, 695, 1537-1549.	4.5	118
23	Highâ€Resolution Molecular Gas Maps of M33. Astrophysical Journal, 2007, 661, 830-844.	4.5	104
24	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
25	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?. Astrophysical Journal, 2011, 736, 37.	4.5	98
26	THE 2014 ALMA LONG BASELINE CAMPAIGN: AN OVERVIEW. Astrophysical Journal Letters, 2015, 808, L1.	8.3	90
27	THE 2014 ALMA LONG BASELINE CAMPAIGN: OBSERVATIONS OF THE STRONGLY LENSED SUBMILLIMETER GALAXY HATLAS J090311.6+003906 AT z = 3.042. Astrophysical Journal Letters, 2015, 808, L4.	8.3	86
28	A Detection of [C ii] Line Emission in the z = 4.7 QSO BR 1202-0725. Astrophysical Journal, 2006, 645, L97-L100.	4.5	78
29	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
30	Molecular Superbubbles in the Starburst Galaxy NGC 253. Astrophysical Journal, 2006, 636, 685-697.	4.5	75
31	Discovery of a spiral-host episodic radio galaxy. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 417, L36-L40.	3.3	71
32	Interferometric 890 Î¼m Images of High-Redshift Submillimeter Galaxies. Astrophysical Journal, 2006, 640, L1-L4.	4.5	69
33	STAR-FORMING CLOUD COMPLEXES IN THE CENTRAL MOLECULAR ZONE OF NGC 253. Astrophysical Journal, 2011, 735, 19.	4.5	69
34	Highâ€Resolution Imaging of Warm and Dense Molecular Gas in the Nuclear Region of the Luminous Infrared Galaxy NGC 6240. Astrophysical Journal, 2007, 659, 283-295.	4.5	68
35	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. Astrophysical Journal Letters, 2021, 910, L14.	8.3	67
36	Formation of a Massive Black Hole at the Center of the Superbubble in M82. Astrophysical Journal, 2000, 545, L107-L111.	4.5	66

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37	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. Nature Astronomy, 2021, 5, 1017-1028.	10.1	65
38	Multimolecule ALMA observations toward the Seyfert 1 galaxy NGC 1097. Astronomy and Astrophysics, 2015, 573, A116.	5.1	65
39	SUBMILLIMETER-HCN DIAGRAM FOR ENERGY DIAGNOSTICS IN THE CENTERS OF GALAXIES. Astrophysical Journal, 2016, 818, 42.	4.5	63
40	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
41	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2021, 911, L11.	8.3	56
42	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
43	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
44	PHYSICAL PROPERTIES OF THE CIRCUMNUCLEAR STARBURST RING IN THE BARRED GALAXY NGC 1097. Astrophysical Journal, 2011, 736, 129.	4.5	52
45	Monitoring the Morphology of M87* in 2009â€“2017 with the Event Horizon Telescope. Astrophysical Journal, 2020, 901, 67.	4.5	51
46	UNVEILING THE PHYSICAL PROPERTIES AND KINEMATICS OF MOLECULAR GAS IN THE ANTENNAE GALAXIES (NGC 4038/9) THROUGH HIGH-RESOLUTION CO (J= 3-2) OBSERVATIONS. Astrophysical Journal, 2012, 745, 65.	4.5	49
47	Submillimeter Array 12 CO ([FORMULA] [F]J=3-2 [/F] [/FORMULA]) Interferometric Observations of the Central Region of M51. Astrophysical Journal, 2004, 616, L55-L58.	4.5	48
48	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. Astrophysical Journal, 2020, 897, 139.	4.5	47
49	SMA¹²CO(J= 6 â€“ 5) AND 435 Î¼m INTERFEROMETRIC IMAGING OF THE NUCLEAR REGION OF Arp 220. Astrophysical Journal, 2009, 693, 56-68.	4.5	46
50	Verification of Radiative Transfer Schemes for the EHT. Astrophysical Journal, 2020, 897, 148.	4.5	44
51	Molecular Gas around the Double Nucleus in M83. Astrophysical Journal, 2004, 616, L59-L62.	4.5	43
52	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. Astrophysical Journal, 2021, 912, 35.	4.5	43
53	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2022, 930, L19.	8.3	43
54	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

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55	ALMA OBSERVATIONS OF THE SUBMILLIMETER DENSE MOLECULAR GAS TRACERS IN THE LUMINOUS TYPE-1 ACTIVE NUCLEUS OF NGC 7469. Astrophysical Journal, 2015, 811, 39.	4.5	41
56	ALMA Observations of the Terahertz Spectrum of Sagittarius A*. Astrophysical Journal Letters, 2019, 881, L2.	8.3	40
57	Greenland telescope project: Direct confirmation of black hole with subâ€millimeter VLBI. Radio Science, 2014, 49, 564-571.	1.6	39
58	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
59	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. Astrophysical Journal, 2020, 898, 75.	4.5	38
60	The Circumnuclear Molecular Gas in the Seyfert Galaxy NGC 4945. Astrophysical Journal, 2007, 670, 116-128.	4.5	37
61	HIghMass-HIGH H I MASS, H I-RICH GALAXIES ATzâˆ¼ 0 SAMPLE DEFINITION, OPTICAL AND HÎ± IMAGING, AND STAR FORMATION PROPERTIES. Astrophysical Journal, 2014, 793, 40.	4.5	36
62	Highâ€Density and Highâ€Temperature Circumnuclear Molecular Disk in M51. Astrophysical Journal, 1998, 495, 267-275.	4.5	35
63	The MALATANG Survey: The L_{GAS}â€“L_{IR} Correlation on Sub-kiloparsec Scale in Six Nearby Star-forming Galaxies as Traced by HCN JÂ=Â4Ââ†'Â3 and HCO⁺ JÂ=Â4Ââ†'Â3. Astrophysical Journal, 2018, 860, 165.	4.5	35
64	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
65	High-Density Molecular Gas in the Infrared-bright Galaxy System VV 114. Astrophysical Journal, 2004, 616, L63-L66.	4.5	34
66	LUMINOUS INFRARED GALAXIES WITH THE SUBMILLIMETER ARRAY. III. THE DENSE KILOPARSEC MOLECULAR CONCENTRATIONS OF Arp 299. Astrophysical Journal, 2012, 753, 46.	4.5	34
67	RESOLVING THE BRIGHT HCN(1â€“0) EMISSION TOWARD THE SEYFERT 2 NUCLEUS OF M51: SHOCK ENHANCEMENT BY RADIO JETS AND WEAK MASING BY INFRARED PUMPING?. Astrophysical Journal, 2015, 799, 26.	4.5	34
68	ACA [CI] observations of the starburst galaxy NGC 253. Astronomy and Astrophysics, 2016, 592, L3.	5.1	34
69	Jet-disturbed molecular gas near the Seyfert 2 nucleus in M 51. Astronomy and Astrophysics, 2007, 468, L49-L52.	5.1	34
70	Detection of CO Hot Spots Associated with Young Clusters in the Southern Starburst Galaxy NGC 1365. Astrophysical Journal, 2007, 654, 782-798.	4.5	32
71	Interferometric¹²COJ= 2â€“1 Image of the Nuclear Region of Seyfert 1 Galaxy NGC 1097. Astrophysical Journal, 2008, 683, 70-77.	4.5	31
72	DISENTANGLING THE CIRCUMNUCLEAR ENVIRONS OF CENTAURUS A. I. HIGH-RESOLUTION MOLECULAR GAS IMAGING. Astrophysical Journal, 2009, 695, 116-134.	4.5	31

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73	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
74	Molecular Superbubbles and Outflows from the Starburst Galaxy NGC 2146. Publication of the Astronomical Society of Japan, 2009, 61, 237-250.	2.5	30
75	THE INNERMOST MASS DISTRIBUTION OF THE GRAVITATIONAL LENS SDP.81 FROM ALMA OBSERVATIONS. Astrophysical Journal, 2015, 811, 115.	4.5	30
76	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
77	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
78	INTERFEROMETRIC CO(3â€“2) OBSERVATIONS TOWARD THE CENTRAL REGION OF NGC 1068. Astrophysical Journal, 2012, 746, 129.	4.5	29
79	Linearly polarized millimeter and submillimeter continuum emission of Sgr A* constrained by ALMA. Astronomy and Astrophysics, 2016, 593, A107.	5.1	29
80	Disentangling the Circumnuclear Environs of Centaurus A. III. An Inner Molecular Ring, Nuclear Shocks, and the CO to Warm H₂ Interface. Astrophysical Journal, 2017, 843, 136.	4.5	28
81	An ALMA view of star formation efficiency suppression in early-type galaxies after gas-rich minor mergers. Monthly Notices of the Royal Astronomical Society, 2018, 476, 122-132.	4.4	28
82	Starburst at the Expanding Molecular Superbubble in M82: Selfâ€induced Starburst at the Inner Edge of the Superbubble. Astrophysical Journal, 2005, 618, 712-722.	4.5	26
83	FIRST DETECTION OF A SUBKILOPARSEC SCALE MOLECULAR OUTFLOW IN THE STARBURST GALAXY NGC 3628. Astrophysical Journal, 2012, 752, 38.	4.5	26
84	The First Birdâ€™s-eye View of a Gravitationally Unstable Accretion Disk in High-mass Star Formation. Astrophysical Journal Letters, 2019, 877, L25.	8.3	26
85	1000 au exterior arcs connected to the protoplanetary disk around HL Tauri. Astronomy and Astrophysics, 2017, 608, A134.	5.1	25
86	UNVEILING THE NATURE OF SUBMILLIMETER GALAXY SXDF 850.6. Astrophysical Journal, 2010, 711, 974-979.	4.5	24
87	Giant Molecular Association in Spiral Arms of M 31: I. Evidence for Dense Gas Formation via Spiral Shock Associated with Density Waves?. Publication of the Astronomical Society of Japan, 2007, 59, 33-42.	2.5	23
88	AROUND THE RING WE GO: THE COLD, DENSE RING OF MOLECULAR GAS IN NGC 1614. Astrophysical Journal Letters, 2014, 796, L15.	8.3	23
89	ALMA imprint of intergalactic dark structures in the gravitational lens SDP.81. Monthly Notices of the Royal Astronomical Society, 2016, 457, 2936-2950.	4.4	23
90	LUMINOUS INFRARED GALAXIES WITH THE SUBMILLIMETER ARRAY. IV.¹²COJ= 6-5 OBSERVATIONS OF VV 114. Astrophysical Journal, 2013, 777, 126.	4.5	22

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91	The 492 GHz emission of Sgr A* constrained by ALMA. Astronomy and Astrophysics, 2016, 593, A44.	5.1	22
92	DISENTANGLING THE CIRCUMNUCLEAR ENVIRONS OF CENTAURUS A. II. ON THE NATURE OF THE BROAD ABSORPTION LINE. Astrophysical Journal, 2010, 720, 666-678.	4.5	21
93	Selective Dynamical Imaging of Interferometric Data. Astrophysical Journal Letters, 2022, 930, L18.	8.3	21
94	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. Astrophysical Journal Letters, 2022, 930, L21.	8.3	20
95	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. Astrophysical Journal Letters, 2022, 930, L20.	8.3	20
96	PROBING CIRCUMNUCLEAR ENVIRONMENTS WITH THE HCN(J= 3-2) AND HCO⁺(J=) Tj ETQq0 0 0 rgBT /Over	4.5	18
97	Luminous Infrared Galaxies with the Submillimeter Array. V. Molecular Gas in Intermediate to Late-stage Mergers. Astrophysical Journal, 2017, 840, 8.	4.5	18
98	SYMBA: An end-to-end VLBI synthetic data generation pipeline. Astronomy and Astrophysics, 2020, 636, A5.	5.1	18
99	NGC 3801 caught in the act: a post-merger star-forming early-type galaxy with AGNâ€"jet feedback. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 422, L38-L42.	3.3	17
100	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
101	Chandra Observation of the Starburst Galaxy NGC 2146. Publication of the Astronomical Society of Japan, 2005, 57, 135-145.	2.5	16
102	Dense and Warm Molecular Gas and Warm Dust in Nearby Galaxies. Publication of the Astronomical Society of Japan, 2010, 62, 409-421.	2.5	16
103	Molecular Gas and Star Formation Properties in Early Stage Mergers: SMA CO(2-1) Observations of the LIRGs NGC 3110 and NGC 232. Astrophysical Journal, 2018, 866, 77.	4.5	16
104	Precipitable Water Vapor, Temperature, and Wind Statistics At Sites Suitable for mm and Submm Wavelength Astronomy in Northern Chile. Publications of the Astronomical Society of the Pacific, 2019, 131, 045001.	3.1	16
105	Black hole mass measurement using ALMA observations of [CI] and CO emissions in the Seyfert 1 galaxy NGCÂ7469. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4123-4142.	4.4	16
106	THE 2014 ALMA LONG BASELINE CAMPAIGN: OBSERVATIONS OF ASTEROID 3 JUNO AT 60 KILOMETER RESOLUTION. Astrophysical Journal Letters, 2015, 808, L2.	8.3	15
107	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
108	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

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109	SMA High Angular Resolution Imaging of the Lensed Quasar APM 08279+5255. Astrophysical Journal, 2007, 671, L5-L8.	4.5	14
110	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
111	Star Formation Efficiencies at Giant Molecular Cloud Scales in the Molecular Disk of the Elliptical Galaxy NGC 5128 (Centaurus A). Astrophysical Journal, 2019, 887, 88.	4.5	13
112	FTS Measurements of Submillimeter-Wave Atmospheric Opacity at Pampa la Bola: III. Water Vapor, Liquid Water, and 183â€‰GHz Water Vapor Line Opacities. Publication of the Astronomical Society of Japan, 2003, 55, 325-333.	2.5	12
113	Aperture Synthesis CO(J=1â€”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
114	LOCAL INSTABILITY SIGNATURES IN ALMA OBSERVATIONS OF DENSE GAS IN NGC 7469. Astrophysical Journal Letters, 2015, 806, L34.	8.3	12
115	THE MOLECULAR BARYON CYCLE OF M82. Astrophysical Journal, 2016, 830, 72.	4.5	12
116	First-generation science cases for ground-based terahertz telescopes. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	12
117	ALMA Observations of the Gravitational Lens SDP.9. Astrophysical Journal Letters, 2017, 843, L35.	8.3	12
118	Multi-Line Observations of Molecular Gas in the Central Region of the Low Star-Formation Efficiency â€œStarburstâ€•Galaxy NGC 4527. Publication of the Astronomical Society of Japan, 2003, 55, 87-101.	2.5	11
119	Fractal Structure of Isothermal Lines and Loops on the Cosmic Microwave Background. Journal of the Physical Society of Japan, 2011, 80, 074003.	1.6	11
120	DISENTANGLING THE CIRCUMNUCLEAR ENVIRONS OF CENTAURUS A: GASEOUS SPIRAL ARMS IN A GIANT ELLIPTICAL GALAXY. Astrophysical Journal Letters, 2012, 756, L10.	8.3	11
121	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
122	High-resolution mapping of the physical conditions in two nearby active galaxies based on¹²CO(1â€“0), (2â€“1), and (3â€“2) lines. Astronomy and Astrophysics, 2011, 525, A18.	5.1	10
123	GIANT MOLECULAR CLOUDS AND STAR FORMATION IN THE TIDAL MOLECULAR ARM OF NGC 4039. Astrophysical Journal Letters, 2012, 760, L25.	8.3	10
124	THE FOSSIL NUCLEAR OUTFLOW IN THE CENTRAL 30 pc OF THE GALACTIC CENTER. Astrophysical Journal, 2016, 831, 72.	4.5	10
125	Structure and Kinematics of COJ= 2â€“1 Emission in the Central Region of NGC 4258. Astrophysical Journal, 2007, 658, 851-858.	4.5	10
126	12CO(J=1â€“0) and 13CO(J=1â€“0) Mapping of the Starburst Galaxy M82. Publication of the Astronomical Society of Japan, 1998, 50, 309-315.	2.5	9

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127	The MALATANG survey: dense gas and star formation from high-transition HCN and HCO+ maps of NGCâ€‰253. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1276-1296.	4.4	9
128	Submillimeter Array Observations of CS J = 14-13 Emission from the Evolved Star IRC +10216. Astrophysical Journal, 2004, 616, L51-L54.	4.5	8
129	ALMA long baseline phase calibration using phase referencing. Proceedings of SPIE, 2016, , .	0.8	8
130	The Greenland telescope: Thule operations. , 2018, , .		8
131	<title>FTS measurements of submillimeter opacity and other site testing at Pampa la Bola</title>. , 2000, , .		7
132	Searching for High-energy, Horizon-scale Emissions from Galactic Black Hole Transients during Quiescence. Astrophysical Journal, 2017, 845, 40.	4.5	7
133	A More Efficient Search for H₂O Megamaser Galaxies: The Power of X-Ray and Mid-infrared Photometry. Astrophysical Journal, 2020, 892, 18.	4.5	7
134	ALMA fast switching phase calibration on long baselines. Proceedings of SPIE, 2014, , .	0.8	6
135	The Greenland Telescope: antenna retrofit status and future plans. Proceedings of SPIE, 2016, , .	0.8	6
136	ALMA 50-parsec-resolution Imaging of Jetâ€“ISM Interaction in the Lensed Quasar MG J0414+0534. Astrophysical Journal Letters, 2020, 892, L18.	8.3	6
137	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. Astrophysical Journal, 2022, 925, 13.	4.5	6
138	M82 X-1. Progress of Theoretical Physics Supplement, 2004, 155, 59-66.	0.1	5
139	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. Astrophysical Journal, Supplement Series, 2020, 250, 18.	7.7	5
140	ALMA temporal phase stability and the effectiveness of water vapor radiometer. Proceedings of SPIE, 2012, , .	0.8	4
141	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
142	Instrumentation for single-dish observations with The Greenland Telescope. , 2014, , .		4
143	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
144	Evidence for a Dusty Dark Dwarf Galaxy in the Quadruple Lens MG 0414+0534. Astrophysical Journal Letters, 2017, 835, L23.	8.3	4

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145	A giant molecular cloud catalogue in the molecular disc of the elliptical galaxy NGCâ€‰5128 (Centaurusâ€‰A). Monthly Notices of the Royal Astronomical Society, 2021, 504, 6198-6215.	4.4	4
146	The first-light receivers for the Greenland Telescope. , 2018, , .		4
147	Commissioning status of the Greenland telescope. , 2018, , .		4
148	<title>FTS measurements of submillimeter-wave opacity at Pampa la Bola</title>. , 1998, 3357, 626.		3
149	Testing the Atacama Compact Array Phase-Correction Scheme Using the Submillimeter Array. Publication of the Astronomical Society of Japan, 2010, 62, 1053-1062.	2.5	3
150	225GHz opacity measurements at Summit camp, Greenland, for the GreenLand Telescope (GLT) site testing. , 2014, , .		3
151	Atmospheric phase characteristics of the ALMA long baseline. Proceedings of SPIE, 2016, , .	0.8	3
152	Electronics instrumentation for the Greenland telescope. , 2018, , .		3
153	Control and monitoring system for the Greenland telescope: computers, network and software. , 2018, , .		3
154	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. Astrophysical Journal, Supplement Series, 2022, 259, 10.	7.7	3
155	Elevation angle dependence of the SMA antenna focus position. , 2006, , .		2
156	ACA phase calibration scheme with the ALMA water vapor radiometers. Proceedings of SPIE, 2012, , .	0.8	2
157	Opacity measurements at Summit Camp on Greenland and PEARL in northern Canada with a 225 GHz tipping radiometer. Proceedings of SPIE, 2012, , .	0.8	2
158	Greenland Telescope (GLT) Project. EPJ Web of Conferences, 2013, 61, 01008.	0.3	2
159	Phase characteristics of the ALMA 3-km baseline data. Proceedings of SPIE, 2014, , .	0.8	2
160	The Greenland Telescope (GLT): antenna status and future plans. , 2014, , .		2
161	Ground-based Mid-infrared Study of the Compton-thick AGN in M51 at 10â€“100 pc Scale*. Astrophysical Journal, 2017, 835, 169.	4.5	2
162	High-energy and Very High Energy Emission from Stellar-mass Black Holes Moving in Gaseous Clouds. Astrophysical Journal, 2018, 867, 120.	4.5	2

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163	Lightning black holes as unidentified TeV sources. Journal of Astrophysics and Astronomy, 2018, 39, 1.	1.0	2
164	Molecular Gas Properties of Galaxies: The SMA CO(2-1) BODEGA Legacy Project. , 2010, , 97-104.		2
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