

Nagayoshi Ohashi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	DISCOVERY OF SMALL-SCALE SPIRAL STRUCTURES IN THE DISK OF SAO 206462 (HD 135344B): IMPLICATIONS FOR THE PHYSICAL STATE OF THE DISK FROM SPIRAL DENSITY WAVE THEORY. <i>Astrophysical Journal Letters</i> , 2012, 748, L22.	3.0	309
2	PROSAC: A Submillimeter Array Survey of Low-Mass Protostars. I. Overview of Program: Envelopes, Disks, Outflows, and Hot Cores. <i>Astrophysical Journal</i> , 2007, 659, 479-498.	1.6	221
3	DIRECT IMAGING OF FINE STRUCTURES IN GIANT PLANET-FORMING REGIONS OF THE PROTOPLANETARY DISK AROUND AB AURIGAE. <i>Astrophysical Journal Letters</i> , 2011, 729, L17.	3.0	205
4	Change in the chemical composition of infalling gas forming a disk around a protostar. <i>Nature</i> , 2014, 507, 78-80.	13.7	196
5	Molecular Evolution in Collapsing Prestellar Cores. <i>Astrophysical Journal</i> , 2001, 552, 639-653.	1.6	193
6	Interferometric Imaging of IRAS 04368+2557 in the L1527 Molecular Cloud Core: A Dynamically Infalling Envelope with Rotation. <i>Astrophysical Journal</i> , 1997, 475, 211-223.	1.6	166
7	Imaging the Disk around TW Hydrae with the Submillimeter Array. <i>Astrophysical Journal</i> , 2004, 616, L11-L14.	1.6	166
8	FORMATION OF A KEPLERIAN DISK IN THE INFALLING ENVELOPE AROUND L1527 IRS: TRANSFORMATION FROM INFALLING MOTIONS TO KEPLER MOTIONS. <i>Astrophysical Journal</i> , 2014, 796, 131.	1.6	166
9	Infall, Outflow, Rotation, and Turbulent Motions of Dense Gas within NGC 1333 IRAS 4. <i>Astrophysical Journal</i> , 2001, 562, 770-789.	1.6	153
10	Molecular cloud cores in the Orion A cloud. I - Nobeyama CS (1-0) survey. <i>Astrophysical Journal</i> , 1993, 404, 643.	1.6	144
11	Dynamical Collapse in W51 Massive Cores: CS ($3\text{--}2$) and CH ₃ CN Observations. <i>Astrophysical Journal</i> , 1998, 494, 636-656.	1.6	136
12	Local Enhancement of the Surface Density in the Protoplanetary Ring Surrounding HD 142527. <i>Publication of the Astronomical Society of Japan</i> , 2013, 65, .	1.0	129
13	A Dynamically Accreting Gas Disk around HL Tauri. <i>Astrophysical Journal</i> , 1993, 418, L71.	1.6	126
14	Organic Molecules in Low-Mass Protostellar Hot Cores: Submillimeter Imaging of IRAS 16293-2422. <i>Astrophysical Journal</i> , 2004, 616, L27-L30.	1.6	118
15	SIGNS OF EARLY-STAGE DISK GROWTH REVEALED WITH ALMA. <i>Astrophysical Journal</i> , 2017, 834, 178.	1.6	112
16	Rotation in the Protostellar Envelopes around IRAS 04169+2702 and IRAS 04365+2535: The Size Scale for Dynamical Collapse. <i>Astrophysical Journal</i> , 1997, 488, 317-329.	1.6	108
17	ALMA OBSERVATIONS OF INFALLING FLOWS TOWARD THE KEPLERIAN DISK AROUND THE CLASS I PROTOSTAR L1489 IRS. <i>Astrophysical Journal</i> , 2014, 793, 1.	1.6	99
18	The circumstellar disk of AB Aurigae: evidence for envelope accretion at late stages of star formation?. <i>Astronomy and Astrophysics</i> , 2012, 547, A84.	2.1	98

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19	DISCOVERY OF A DISK GAP CANDIDATE AT 20 AU IN TW HYDRAE. <i>Astrophysical Journal Letters</i> , 2015, 802, L17.	3.0	96
20	A CHEMICAL VIEW OF PROTOSTELLAR-DISK FORMATION IN L1527. <i>Astrophysical Journal Letters</i> , 2014, 791, L38.	3.0	93
21	Molecular Evolution in Collapsing Prestellar Cores. II. The Effect of Grain-Surface Reactions. <i>Astrophysical Journal</i> , 2003, 593, 906-924.	1.6	90
22	THE 2014 ALMA LONG BASELINE CAMPAIGN: AN OVERVIEW. <i>Astrophysical Journal Letters</i> , 2015, 808, L1.	3.0	90
23	ALMA OBSERVATIONS OF THE TRANSITION FROM INFALL MOTION TO KEPLERIAN ROTATION AROUND THE LATE-PHASE PROTOSTAR TMC-1A. <i>Astrophysical Journal</i> , 2015, 812, 27.	1.6	87
24	Star formation in bright-rimmed globules - Evidence for radiation-driven implosion. <i>Astrophysical Journal</i> , 1989, 342, L87.	1.6	84
25	Aperture Synthesis C ¹⁸ O = ¹³ C Observations of L1551 IRS 5: Detailed Structure of the Infalling Envelope. <i>Astrophysical Journal</i> , 1998, 504, 314-333.	1.6	83
26	CCS Imaging of the Starless Core L1544: An Envelope with Infall and Rotation. <i>Astrophysical Journal</i> , 1999, 518, L41-L44.	1.6	81
27	UNVEILING THE EVOLUTIONARY SEQUENCE FROM INFALLING ENVELOPES TO KEPLERIAN DISKS AROUND LOW-MASS PROTOSTARS. <i>Astrophysical Journal</i> , 2013, 772, 22.	1.6	80
28	Planet Formation in AB Aurigae: Imaging of the Inner Gaseous Spirals Observed inside the Dust Cavity. <i>Astrophysical Journal</i> , 2017, 840, 32.	1.6	79
29	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	1.6	79
30	Magnetically regulated collapse in the B335 protostar? I. ALMA observations of the polarized dust emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2760-2765.	1.6	79
31	OBSERVATIONS OF INFALLING AND ROTATIONAL MOTIONS ON A 1000 AU SCALE AROUND 17 CLASS 0 AND 0/I PROTOSTARS: HINTS OF DISK GROWTH AND MAGNETIC BRAKING?. <i>Astrophysical Journal</i> , 2015, 799, 193.	1.6	72
32	First Confirmed Detection of a Bipolar Molecular Outflow from a Young Brown Dwarf. <i>Astrophysical Journal</i> , 2008, 689, L141-L144.	1.6	71
33	Millimeter- and Submillimeter-Wave Observations of the OMC-2/3 Region. III. An Extensive Survey for Molecular Outflows. <i>Astrophysical Journal</i> , 2008, 688, 344-361.	1.6	65
34	THE STRUCTURE OF PRE-TRANSITIONAL PROTOPLANETARY DISKS. II. AZIMUTHAL ASYMMETRIES, DIFFERENT RADIAL DISTRIBUTIONS OF LARGE AND SMALL DUST GRAINS IN PDS 70. <i>Astrophysical Journal</i> , 2015, 799, 43.	1.6	65
35	Subarcsecond Submillimeter Continuum Observations of Orion KL. <i>Astrophysical Journal</i> , 2004, 616, L31-L34.	1.6	59
36	TRANSITION FROM THE INFALLING ENVELOPE TO THE KEPLERIAN DISK AROUND L1551 IRS 5. <i>Astrophysical Journal</i> , 2014, 796, 70.	1.6	59

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37	Observations of 11 protostellar sources in Taurus with Nobeyama millimeter array - Growth of circumstellar disks. <i>Astronomical Journal</i> , 1991, 102, 2054.	1.9	58
38	The Nobeyama Millimeter Array Survey of Young Stellar Objects Associated with the Taurus Molecular Cloud. <i>Astrophysical Journal</i> , 1996, 466, 317.	1.6	58
39	NO KEPLERIAN DISK >10 AU AROUND THE PROTOSTAR B335: MAGNETIC BRAKING OR YOUNG AGE?. <i>Astrophysical Journal</i> , 2015, 812, 129.	1.6	57
40	MILLIMETER OBSERVATIONS OF THE TRANSITION DISK AROUND HD 135344B (SAO 206462). <i>Astronomical Journal</i> , 2011, 142, 151.	1.9	56
41	Molecular cloud condensation as a tracer of low-mass star formation. <i>Nature</i> , 1994, 368, 719-721.	13.7	54
42	Possible Infall in the Gas Disk around L1551 IRS 5. <i>Astrophysical Journal</i> , 1996, 466, 957.	1.6	54
43	ALMA Observations of the Protostar L1527 IRS: Probing Details of the Disk and the Envelope Structures. <i>Astrophysical Journal</i> , 2017, 849, 56.	1.6	52
44	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	1.6	51
45	The Sizes and Depletions of the Dust and Gas Cavities in the Transitional Disk J160421.7-213028. <i>Astrophysical Journal</i> , 2017, 836, 201.	1.6	50
46	Possible Molecular Spiral Arms in the Protoplanetary Disk of AB Aurigae. <i>Astrophysical Journal</i> , 2006, 645, 1297-1304.	1.6	49
47	Submillimeter Array 12 CO ($J=3-2$) Interferometric Observations of the Central Region of M51. <i>Astrophysical Journal</i> , 2004, 616, L55-L58.	1.6	48
48	Arcsecond-Resolution Submillimeter HCN Imaging of the Binary Protostar IRAS 16293-2422. <i>Astrophysical Journal</i> , 2007, 662, 431-442.	1.6	46
49	A First Look at BISTRO Observations of the ρ -Oph-A core. <i>Astrophysical Journal</i> , 2018, 859, 4.	1.6	46
50	Detection of circumstellar gas associated with GG Tauri. <i>Astrophysical Journal</i> , 1993, 409, 422.	1.6	45
51	The CO Molecular Outflows of IRAS 16293-2422 Probed by the Submillimeter Array. <i>Astrophysical Journal</i> , 2008, 675, 454-463.	1.6	43
52	HIGH-VELOCITY JETS AND SLOWLY ROTATING ENVELOPE IN B335. <i>Astrophysical Journal</i> , 2010, 710, 1786-1799.	1.6	42
53	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	1.6	42
54	Dust polarized emission observations of NGC 6334. <i>Astronomy and Astrophysics</i> , 2021, 647, A78.	2.1	41

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55	Interferometric Observations of Outflows From Low-Mass Protostars in Taurus. <i>Astronomical Journal</i> , 1996, 112, 2076.	1.9	41
56	KINEMATICS AND PHYSICAL CONDITIONS OF THE INNERMOST ENVELOPE IN B335. <i>Astrophysical Journal</i> , 2011, 742, 57.	1.6	40
57	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. <i>Astrophysical Journal</i> , 2020, 899, 28.	1.6	39
58	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core ρ Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43.	1.6	38
59	High-Resolution Near-Infrared Polarimetry of a Circumstellar Disk around UX Tau A. <i>Publication of the Astronomical Society of Japan</i> , 2012, 64, .	1.0	37
60	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88.	1.6	37
61	Mapping the Outflow from G5.89-0.39 in SiO $J = 5 \rightarrow 4$. <i>Astrophysical Journal</i> , 2004, 616, L35-L38.	1.6	34
62	MILLIMETER DUST EMISSION IN THE GQ LUP SYSTEM. <i>Astronomical Journal</i> , 2010, 139, 626-629.	1.9	34
63	The Dispersing Cloud Core around T Tauri. <i>Astrophysical Journal</i> , 1996, 470, 1001.	1.6	33
64	DIRECT IMAGING OF A COMPACT MOLECULAR OUTFLOW FROM A VERY LOW LUMINOSITY OBJECT: L1521F-IRS. <i>Astrophysical Journal</i> , 2013, 774, 20.	1.6	32
65	Submillimeter Array Observations of L1551 IRS 5 in CS $J = 7-6$. <i>Astrophysical Journal</i> , 2004, 616, L15-L18.	1.6	29
66	DIRECT DETECTION OF A FLARED DISK AROUND A YOUNG MASSIVE STAR HD200775 AND ITS 10 TO 1000 AU SCALE PROPERTIES. <i>Astrophysical Journal</i> , 2009, 706, 665-675.	1.6	29
67	HIGH-RESOLUTION SUBMILLIMETER AND NEAR-INFRARED STUDIES OF THE TRANSITION DISK AROUND Sz 91. <i>Astrophysical Journal</i> , 2014, 783, 90.	1.6	29
68	Is HL Tauri and FU Orionis system in quiescence?. <i>Astrophysical Journal</i> , 1994, 435, 821.	1.6	29
69	Observational signature of planet formation: The ALMA view. <i>Astrophysics and Space Science</i> , 2008, 313, 101-107.	0.5	27
70	SPIRAL STRUCTURE AND DIFFERENTIAL DUST SIZE DISTRIBUTION IN THE LkH α 330 DISK. <i>Astronomical Journal</i> , 2016, 152, 222.	1.9	27
71	Physical Properties and Kinetic Structure of a Starless Core in Taurus Molecular Cloud. <i>Astrophysical Journal</i> , 2004, 601, 962-978.	1.6	26
72	Disk Structure around the Class I Protostar L1489 IRS Revealed by ALMA: A Warped-disk System. <i>Astrophysical Journal</i> , 2020, 893, 51.	1.6	24

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73	Interferometric Observation of the L483 Molecular Core. <i>Astrophysical Journal</i> , 2000, 542, 344-351.	1.6	22
74	The JCMT BISTRO Survey: Revealing the Diverse Magnetic Field Morphologies in Taurus Dense Cores with Sensitive Submillimeter Polarimetry. <i>Astrophysical Journal Letters</i> , 2021, 912, L27.	3.0	21
75	Detection of Infall Motion from the Circumstellar Disk Associated with the Exciting Source of HH 111. <i>Astrophysical Journal</i> , 1997, 475, 683-692.	1.6	20
76	An Evolved Disk Surrounding the Massive Main-Sequence Star MWC 297?. <i>Astrophysical Journal</i> , 2007, 667, L187-L190.	1.6	20
77	Interaction between the Outflow and the Core in IRAM 04191+1522. <i>Astrophysical Journal</i> , 2003, 590, 932-943.	1.6	19
78	The Surprisingly Low Carbon Mass in the Debris Disk around HD 32297. <i>Astrophysical Journal</i> , 2020, 892, 99.	1.6	18
79	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. <i>Astrophysical Journal</i> , 2021, 907, 33.	1.6	17
80	Subarcsecond SMA observations of the prototype Class 0 object VLA1623 at 1.3 λ : a single protostar with a structured outflow cavity?. <i>Astronomy and Astrophysics</i> , 2012, 539, A130.	2.1	17
81	The Flared Gas Structure of the Transitional Disk around Sz 91. <i>Astrophysical Journal</i> , 2019, 871, 5.	1.6	16
82	Observations of Magnetic Fields Surrounding LkH α 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	1.6	16
83	B-fields in Star-forming Region Observations (BISTRO): Magnetic Fields in the Filamentary Structures of Serpens Main. <i>Astrophysical Journal</i> , 2022, 926, 163.	1.6	16
84	OMC-1 dust polarization in ALMA Band 7: diagnosing grain alignment mechanisms in the vicinity of Orion Source I. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3414-3433.	1.6	15
85	Detection of a Circumstellar Gas around DM Tauri: A Protoplanetary Disk around a Single Star?. <i>Astrophysical Journal</i> , 1995, 449, 894.	1.6	15
86	Constraint on ion-neutral drift velocity in the Class 0 protostar B335 from ALMA observations. <i>Astronomy and Astrophysics</i> , 2018, 615, A58.	2.1	14
87	JCMT POL-2 and ALMA Polarimetric Observations of 6000 μ –100 au Scales in the Protostar B335: Linking Magnetic Field and Gas Kinematics in Observations and MHD Simulations. <i>Astrophysical Journal</i> , 2019, 871, 243.	1.6	14
88	Dust Emission from L1641N: An Optically Thick Circumstellar Disk?. <i>Astrophysical Journal</i> , 1995, 450, L71-L74.	1.6	13
89	Search for Calibrators for the Submillimeter Array. I. High-Mass Star-forming Regions. <i>Astrophysical Journal</i> , 2004, 616, L39-L42.	1.6	13
90	The JCMT BISTRO Survey: An 850/450 μ m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85.	1.6	13

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91	Submillimeter Array Multiline observations of the Massive Star-forming region IRAS 18089-1732. <i>Astrophysical Journal</i> , 2004, 616, L19-L22.	1.6	12
92	IS FS Tau B DRIVING AN ASYMMETRIC JET?. <i>Astrophysical Journal</i> , 2012, 749, 62.	1.6	12
93	Protostellar Evolution in Serpens Main: Possible Origin of Disk-size Diversity. <i>Astrophysical Journal</i> , 2019, 887, 209.	1.6	12
94	A C(18)O (J = 1 goes to 0) survey of protostellar candidates embedded in the Taurus molecular cloud. <i>Astrophysical Journal</i> , 1994, 426, 234.	1.6	11
95	Interferometric Observations of the Circumstellar Molecular Structure around the Young Stellar Object in L1287. <i>Astrophysical Journal</i> , 1995, 455, 175.	1.6	11
96	654 GHz Continuum and C 18 O(6-5) Observations of G240.31+0.07 with the Submillimeter Array. <i>Astrophysical Journal</i> , 2007, 654, L87-L90.	1.6	10
97	ALMA Observations of SMM11 Reveal an Extremely Young Protostar in Serpens Main Cluster. <i>Astrophysical Journal Letters</i> , 2017, 850, L2.	3.0	10
98	Circumbinary Disks of the Protostellar Binary Systems in the L1551 Region. <i>Astrophysical Journal</i> , 2020, 898, 10.	1.6	10
99	Submillimeter Array Observations of CS J = 14-13 Emission from the Evolved Star IRC +10216. <i>Astrophysical Journal</i> , 2004, 616, L51-L54.	1.6	8
100	GUM 48d: AN EVOLVED H II REGION WITH ONGOING STAR FORMATION. <i>Astrophysical Journal</i> , 2009, 697, 133-147.	1.6	8
101	High-Resolution Millimeter Imaging of L1641N: Multiple Cores With a Young Stellar Group. <i>Astronomical Journal</i> , 1996, 112, 717.	1.9	8
102	Aperture synthesis CS(2-1) observations of a young stellar object GL 490 - Accretion flow in gas disk. <i>Astrophysical Journal</i> , 1991, 383, L81.	1.6	7
103	Transition from Ordered Pinched to Warped Magnetic Field on a 100 au Scale in the Class 0 Protostar B335. <i>Astrophysical Journal</i> , 2020, 893, 54.	1.6	7
104	CARBON-CHAIN AND ORGANIC MOLECULES AROUND VERY LOW LUMINOSITY PROTOSTELLAR OBJECTS OF L1521F-IRS AND IRAM 04191+1522. <i>Astrophysical Journal</i> , 2011, 728, 101.	1.6	6
105	An X-ray pulsator in the direction of molecular cloud MBM 12 (Lynds 1457). <i>Astrophysical Journal</i> , 1991, 377, 240.	1.6	6
106	Which Part of Dense Cores Feeds Material to Protostars? The Case of L1489 IRS. <i>Astrophysical Journal</i> , 2022, 925, 12.	1.6	6
107	HIGH-RESOLUTION OBSERVATIONS OF DUST CONTINUUM EMISSION AT 340 GHz FROM THE LOW-MASS T TAURI STAR FN TAURI. <i>Astrophysical Journal</i> , 2010, 712, 397-404.	1.6	5
108	CANDIDATE CORONAGRAPHIC DETECTIONS OF PROTOPLANETARY DISKS AROUND FOUR YOUNG STARS. <i>Astronomical Journal</i> , 2010, 139, 1015-1027.	1.9	4

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109	THE DISAPPEARING ENVELOPE AROUND THE TRANSITIONAL CLASS I OBJECT L43. <i>Astrophysical Journal</i> , 2014, 789, 95.	1.6	3
110	The Nobeyama Millimeter Array Survey for protoplanetary disks around protostar candidates and T Tauri stars in Taurus. <i>Astrophysics and Space Science</i> , 1994, 212, 239-250.	0.5	2
111	Observations of disks around protostellar sources with nobeyama millimeter array. <i>Astrophysics and Space Science</i> , 1995, 224, 13-16.	0.5	2
112	EXTREMELY BRIGHT SUBMILLIMETER GALAXIES BEYOND THE LUPUS-I STAR-FORMING REGION. <i>Astrophysical Journal</i> , 2015, 808, 121.	1.6	2
113	Physical properties of the outflow sources in taurus. <i>Astrophysics and Space Science</i> , 1995, 224, 113-116.	0.5	1
114	No Detection of Cold Dust around the Potential Exocomet Host $\dot{\text{I}}\cdot\text{Leo}$. <i>Research Notes of the AAS</i> , 2019, 3, 39.	0.3	1
115	The Nobeyama Millimeter Array Survey for Protoplanetary Disks Around Protostar Candidates and T Tauri Stars in Taurus. <i>International Astronomical Union Colloquium</i> , 1994, 140, 274-275.	0.1	0
116	High resolution observations of disks around protostellar sources with the Nobeyama Millimeter Array. , 1996, , 44-57.		0
117	Dynamically infalling envelopes around low-mass protostar candidates. <i>AIP Conference Proceedings</i> , 1997, , .	0.3	0
118	Physical Properties of Molecular Envelopes in Low-Mass Star-Forming Regions. <i>Symposium - International Astronomical Union</i> , 2000, 197, 61-70.	0.1	0
119	Infall in Protostellar Envelopes. <i>Symposium - International Astronomical Union</i> , 2004, 221, 75-82.	0.1	0
120	SMA and ALMA studies of protoplanetary disk formation around low-mass protostars. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 126-129.	0.0	0
121	The Nobeyama Millimeter Array Survey for Protoplanetary Disks Around Protostar Candidates and T Tauri Stars in Taurus. , 1994, , 239-250.		0
122	Observations of Disks around Protostellar Sources with Nobeyama Millimeter Array. , 1995, , 13-16.		0
123	Interferometric observations of M42 at 1.3 CM. <i>Astronomical Journal</i> , 1989, 97, 458.	1.9	0