Chang Won Lee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3918151/publications.pdf

Version: 2024-02-01

79 papers	2,428 citations	236925 25 h-index	214800 47 g-index
81 all docs	81 docs citations	81 times ranked	1036 citing authors

#	Article	IF	Citations
1	A Catalog of Optically Selected Cores. Astrophysical Journal, Supplement Series, 1999, 123, 233-250.	7.7	191
2	A Survey for Infall Motions toward Starless Cores. II. CS (2â€“1) and N 2 H + (1â€“0) Mapping Observations. Astrophysical Journal, Supplement Series, 2001, 136, 703-734.	7.7	188
3	A Survey of Infall Motions toward Starless Cores. I. CS (2â€“1) and N2H+(1â€“0) Observations. Astrophysical Journal, 1999, 526, 788-805.	4.5	168
4	A â€œStarlessâ€•Core that Isn't: Detection of a Source in the L1014 Dense Core with the Spitzer Space Telescope. Astrophysical Journal, Supplement Series, 2004, 154, 396-401.	7.7	146
5	The Spitzer c2d Survey of Nearby Dense Cores. II. Discovery of a Low-Luminosity Object in the "Evolved Starless Core" L1521F. Astrophysical Journal, 2006, 649, L37-L40.	4.5	132
6	The JCMT BISTRO Survey: The Magnetic Field Strength in the Orion A Filament. Astrophysical Journal, 2017, 846, 122.	4.5	103
7	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. Astrophysical Journal, 2017, 842, 66.	4.5	79
8	A Survey for Infall Motions toward Starless Cores. III. CS (3â€“2) and DCO + (2â€“1) Observations. Astrophysical Journal, Supplement Series, 2004, 153, 523-543.	7.7	62
9	A Holistic Perspective on the Dynamics of G035.39-00.33: The Interplay between Gas and Magnetic Fields. Astrophysical Journal, 2018, 859, 151.	4.5	57
10	Probing Inward Motions in Starless Cores Using the HCN(J= 1â€“0) Hyperfine Transitions: A Pointing Survey toward Central Regions. Astrophysical Journal, 2007, 664, 928-941.	4.5	52
11	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. Astrophysical Journal, 2018, 861, 65.	4.5	51
12	The TOP-SCOPE Survey of Planck Galactic Cold Clumps: Survey Overview and Results of an Exemplar Source, PGCC G26.53+0.17. Astrophysical Journal, Supplement Series, 2018, 234, 28.	7.7	50
13	A First Look at BISTRO Observations of the Ï•Oph-A core. Astrophysical Journal, 2018, 859, 4.	4.5	46
14	THESPITZERc2d SURVEY OF NEARBY DENSE CORES. V. DISCOVERY OF A VeLLO IN THE â€œSTARLESSâ€• DENSE CORE L328. Astrophysical Journal, 2009, 693, 1290-1299.	4.5	45
15	How Do Stars Gain Their Mass? A JCMT/SCUBA-2 Transient Survey of Protostars in Nearby Star-forming Regions. Astrophysical Journal, 2017, 849, 43.	4.5	42
16	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. Astrophysical Journal, 2019, 876, 42.	4.5	42
17	JCMT BISTRO Survey Observations of the Ophiuchus Molecular Cloud: Dust Grain Alignment Properties Inferred Using a Ricean Noise Model. Astrophysical Journal, 2019, 880, 27.	4.5	40
18	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. Astrophysical Journal, 2020, 899, 28.	4.5	39

#	Article	IF	Citations
19	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core Ïĸ Ophiuchus C. Astrophysical Journal, 2019, 877, 43.	4.5	38
20	Magnetic Fields in the Infrared Dark Cloud G34.43+0.24. Astrophysical Journal, 2019, 883, 95.	4.5	38
21	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. Astrophysical Journal, 2019, 877, 88.	4.5	37
22	INTERNAL MOTIONS IN STARLESS DENSE CORES. Astrophysical Journal, 2011, 734, 60.	4.5	32
23	PLANCK COLD CLUMPS IN THE Î» ORIONIS COMPLEX. I. DISCOVERY OF AN EXTREMELY YOUNG CLASS 0 PROTOSTELLAR OBJECT AND A PROTO-BROWN DWARF CANDIDATE IN THE BRIGHT-RIMMED CLUMP PGCC G192.32â€“11.88. Astrophysical Journal, Supplement Series, 2016, 222, 7.	7.7	31
24	EARLY STAR-FORMING PROCESSES IN DENSE MOLECULAR CLOUD L328; IDENTIFICATION OF L328-IRS AS A PROTO-BROWN DWARF. Astrophysical Journal, 2013, 777, 50.	4.5	30
25	JCMT POL-2 and BISTRO Survey Observations of Magnetic Fields in the L1689 Molecular Cloud. Astrophysical Journal, 2021, 907, 88.	4.5	29
26	ATOMS: ALMA three-millimeter observations of massive star-forming regions â€“ III. Catalogues of candidate hot molecular cores and hyper/ultra compact Hâ€‰<scp>ii</scp> regions. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2801-2818.	4.4	23
27	Magnetic field structure around cores with very low luminosity objects. Astronomy and Astrophysics, 2015, 573, A34.	5.1	23
28	Dust spectrum and polarisation at 850 Î¼m in the massive IRDC G035.39-00.33. Astronomy and Astrophysics, 2018, 620, A26.	5.1	22
29	Planck Cold Clumps in the Î» Orionis Complex. II. Environmental Effects on Core Formation. Astrophysical Journal, Supplement Series, 2018, 236, 51.	7.7	22
30	SCOPE: SCUBA-2 Continuum Observations of Pre-protostellar Evolution â€“ survey description and compact source catalogue. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2895-2908.	4.4	22
31	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP). II. Survey Overview: A First Look at 1.3 mm Continuum Maps and Molecular Outflows. Astrophysical Journal, Supplement Series, 2020, 251, 20.	7.7	22
32	The JCMT BISTRO Survey: Revealing the Diverse Magnetic Field Morphologies in Taurus Dense Cores with Sensitive Submillimeter Polarimetry. Astrophysical Journal Letters, 2021, 912, L27.	8.3	21
33	Magnetic fields in cometary globules â€“ IV. LBN 437. Monthly Notices of the Royal Astronomical Society, 2013, 432, 1502-1512.	4.4	20
34	Multi-scale analysis of the Monoceros OB 1 star-forming region. Astronomy and Astrophysics, 2019, 631, A3.	5.1	20
35	ATOMS: ALMA three-millimeter observations of massive star-forming regions â€“ II. Compact objects in ACA observations and star formation scaling relations. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2821-2835.	4.4	20
36	The Properties of Planck Galactic Cold Clumps in the L1495 Dark Cloud. Astrophysical Journal, 2018, 856, 141.	4.5	19

#	Article	IF	Citations
37	The JCMT BISTRO Survey: The Distribution of Magnetic Field Strengths toward the OMC-1 Region. Astrophysical Journal, 2021, 913, 85.	4.5	19
38	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ XI. From inflow to infall in hub-filament systems. Monthly Notices of the Royal Astronomical Society, 2022, 514, 6038-6052.	4.4	19
39	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP). I. Detection of New Hot Corinos with the ACA. Astrophysical Journal, 2020, 898, 107.	4.5	18
40	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. Astrophysical Journal, 2021, 907, 33.	4.5	17
41	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ V. Hierarchical fragmentation and gas dynamics in IRDC G034.43+00.24. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5009-5022.	4.4	17
42	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ IX. A pilot study towards IRDC G034.43+00.24 on multi-scale structures and gas kinematics. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4480-4489.	4.4	17
43	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Detection of Extremely High-density Compact Structure of Prestellar Cores and Multiple Substructures Within. Astrophysical Journal Letters, 2021, 907, L15.	8.3	16
44	Observations of Magnetic Fields Surrounding LkHÎ± 101 Taken by the BISTRO Survey with JCMT-POL-2. Astrophysical Journal, 2021, 908, 10.	4.5	16
45	ALMA Observations of NGC 6334S. II. Subsonic and Transonic Narrow Filaments in a High-mass Star Formation Cloud. Astrophysical Journal, 2022, 926, 165.	4.5	16
46	B-fields in Star-forming Region Observations (BISTRO): Magnetic Fields in the Filamentary Structures of Serpens Main. Astrophysical Journal, 2022, 926, 163.	4.5	16
47	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): A Hot Corino Survey toward Protostellar Cores in the Orion Cloud. Astrophysical Journal, 2022, 927, 218.	4.5	16
48	Magnetic field structure of ICÂ63 and ICÂ59 associated with Hâ€‰ii region Sh 185. Monthly Notices of the Royal Astronomical Society, 2017, 465, 559-568.	4.4	15
49	OMC-1 dust polarization in ALMA Band 7: diagnosing grain alignment mechanisms in the vicinity of Orion Source I. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3414-3433.	4.4	15
50	The JCMT BISTRO Survey: An 850/450 Î¼m Polarization Study of NGC 2071IR in Orion B. Astrophysical Journal, 2021, 918, 85.	4.5	13
51	TRAO Survey of Nearby Filamentary Molecular Clouds, the Universal Nursery of Stars (TRAO FUNS). I. Dynamics and Chemistry of L1478 in the California Molecular Cloud. Astrophysical Journal, 2019, 877, 114.	4.5	12
52	CO Outflow Survey of 68 Very Low Luminosity Objects: A Search for Proto-brown-dwarf Candidates. Astrophysical Journal, Supplement Series, 2019, 240, 18.	7.7	11
53	Revisiting the Magnetic Field of the L183 Starless Core. Astrophysical Journal, 2020, 900, 181.	4.5	11
54	A Low-mass Cold and Quiescent Core Population in a Massive Star Protocluster. Astrophysical Journal Letters, 2021, 912, L7.	8.3	10

#	Article	IF	Citations
55	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ VIII. A search for hot cores by using C2H5CN, CH3OCHO, and CH3OH lines. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3463-3476.	4.4	10
56	A SEARCH FOR VERY LOW-LUMINOSITY OBJECTS IN GOULD BELT CLOUDS. Astrophysical Journal, Supplement Series, 2016, 225, 26.	7.7	9
57	Probing the magnetic fields in L1415 and L1389. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2403-2418.	4.4	9
58	An ALMA study of outflow parameters of protoclusters: outflow feedback to maintain the turbulence. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4316-4334.	4.4	9
59	TRAO Survey of the Nearby Filamentary Molecular Clouds, the Universal Nursery of Stars (TRAO) Tj ETQq1 1 0.784314 rgBT /Overlock	4.5	9
60	EXTREMELY ENERGETIC OUTFLOW AND DECELERATED EXPANSION IN W49N. Astrophysical Journal, 2015, 810, 147.	4.5	8
61	High-resolution ALMA Study of the Proto-brown-dwarf Candidate L328-IRS. Astrophysical Journal, 2018, 865, 131.	4.5	8
62	CS Depletion in Prestellar Cores. Astrophysical Journal, 2020, 891, 169.	4.5	8
63	First Sub-parsec-scale Mapping of Magnetic Fields in the Vicinity of a Very-low-luminosity Object, L1521F-IRS. Astrophysical Journal, 2019, 883, 9.	4.5	7
64	The JCMT BISTRO Survey: multiwavelength polarimetry of bright regions in NGC 2071 in the far-infrared/submillimetre range, with POL-2 and HAWC+. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1985-2002.	4.4	7
65	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Deriving Inclination Angle and Velocity of the Protostellar Jets from Their SiO Knots. Astrophysical Journal Letters, 2022, 931, L5.	8.3	7
66	FIRST OPTICAL AND NEAR-INFRARED POLARIMETRY OF A MOLECULAR CLOUD FORMING A PROTO-BROWN DWARF CANDIDATE. Astrophysical Journal Letters, 2015, 803, L20.	8.3	6
67	The JCMT BISTRO-2 Survey: The Magnetic Field in the Center of the Rosette Molecular Cloud. Astrophysical Journal, 2021, 913, 57.	4.5	6
68	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Detection of a Dense SiO Jet in the Evolved Protostellar Phase. Astrophysical Journal, 2022, 925, 11.	4.5	6
69	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Evidence for a Molecular Jet Launched at an Unprecedented Early Phase of Protostellar Evolution. Astrophysical Journal, 2022, 931, 130.	4.5	6
70	ATOMS: ALMA three-millimeter observations of massive star-forming regions â€“ VII. A catalogue of SiO clumps from ACA observations. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3618-3635.	4.4	5
71	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ X. Chemical differentiation among the massive cores in G9.62+0.19. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4419-4440.	4.4	5
72	DENSE MOLECULAR CORES BEING EXTERNALLY HEATED. Astrophysical Journal, 2016, 824, 85.	4.5	4

#	Article	IF	Citations
73	Gas Infalling Motions in the Envelopes of Very Low Luminosity Objects. Astrophysical Journal, 2021, 910, 112.	4.5	4
74	The JCMT BISTRO Survey: Evidence for Pinched Magnetic Fields in Quiescent Filaments of NGC 1333. Astrophysical Journal Letters, 2021, 923, L9.	8.3	4
75	Magnetic fields and outflows in the large Bok globule CB 54. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1026-1036.	4.4	4
76	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): How Do Dense Core Properties Affect the Multiplicity of Protostars?. Astrophysical Journal, 2022, 931, 158.	4.5	4
77	Effects of Magnetic Field Orientations in Dense Cores on Gas Kinematics in Protostellar Envelopes. Astrophysical Journal, 2022, 930, 67.	4.5	3
78	Submillimeter Continuum Variability in Planck Galactic Cold Clumps. Astrophysical Journal, Supplement Series, 2019, 242, 27.	7.7	0
79	Erratum â€œA Low-mass Cold and Quiescent Core Population in a Massive Star Protoclusterâ€•(2021, ApJL,) Tj ETQq1 1 0.784314 rgBT	8.3	0