

# Chuan-Peng Zhang

## List of Publications by Year in descending order

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36  
papers

745  
citations

516710

16  
h-index

526287

27  
g-index

37  
all docs

37  
docs citations

37  
times ranked

647  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radio Frequency Interference Mitigation and Statistics in the Spectral Observations of FAST. <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 025015.	1.7	13
2	B-fields in Star-forming Region Observations (BISTRO): Magnetic Fields in the Filamentary Structures of Serpens Main. <i>Astrophysical Journal</i> , 2022, 926, 163.	4.5	16
3	Physical and Chemical Properties of the Molecular Gas Associated with the Mid-infrared Bubble S156. <i>Astrophysical Journal</i> , 2022, 928, 83.	4.5	0
4	FAST Search for Circumstellar Atomic Hydrogen. I. The Young Planetary Nebula IC 4997. <i>Astrophysical Journal</i> , 2022, 933, 4.	4.5	1
5	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. <i>Astrophysical Journal</i> , 2021, 907, 33.	4.5	17
6	Pebbles in an embedded protostellar disk: the case of CB 26. <i>Astronomy and Astrophysics</i> , 2021, 646, A18.	5.1	6
7	Observations of Magnetic Fields Surrounding LkH $\hat{\pm}$ 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	4.5	16
8	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.	8.3	21
9	The JCMT BISTRO Survey: An 850/450 $\hat{\mu}$ m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85.	4.5	13
10	Radio recombination line observations at 1.0 $\hat{\sim}$ 1.5GHz with FAST. <i>Research in Astronomy and Astrophysics</i> , 2021, 21, 209.	1.7	8
11	Planck Galactic Cold Clumps at High Galactic Latitudeâ€”a Study with CO Lines. <i>Astrophysical Journal</i> , 2021, 920, 103.	4.5	4
12	Probing the initial conditions of high-mass star formation. <i>Astronomy and Astrophysics</i> , 2020, 638, A105.	5.1	4
13	A Mean Density of 112 $M_{\hat{\odot}}$ $pc^{\hat{\sim}3}$ for Central Molecular Zone Clumpsâ€”Evidences for Shear-enabled Pressure Equilibrium in the Galactic Center. <i>Astrophysical Journal</i> , 2020, 897, 89.	4.5	6
14	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. <i>Astrophysical Journal</i> , 2020, 899, 28.	4.5	39
15	The effects of ionization feedback on star formation: a case study of the M 16 H $\hat{\alpha}$ II region. <i>Astronomy and Astrophysics</i> , 2019, 627, A27.	5.1	11
16	Probing the initial conditions of high-mass star formation. <i>Astronomy and Astrophysics</i> , 2019, 627, A85.	5.1	6
17	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	4.5	42
18	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core <i>i&gt;ï</i> Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43.	4.5	38

#	ARTICLE	IF	CITATIONS
19	Submillimeter Continuum Variability in Planck Galactic Cold Clumps. <i>Astrophysical Journal, Supplement Series</i> , 2019, 242, 27.	7.7	0
20	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88.	4.5	37
21	Using CO line ratios to trace compressed areas in bubble N131. <i>Astronomy and Astrophysics</i> , 2019, 631, A110.	5.1	7
22	The Properties of Planck Galactic Cold Clumps in the L1495 Dark Cloud. <i>Astrophysical Journal</i> , 2018, 856, 141.	4.5	19
23	The TOP-SCOPE Survey of <i>Planck</i> Galactic Cold Clumps: Survey Overview and Results of an Exemplar Source, PGCC G26.53+0.17. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 28.	7.7	50
24	Dust spectrum and polarisation at 850 $\mu\text{m}$ in the massive IRDC G035.39-00.33. <i>Astronomy and Astrophysics</i> , 2018, 620, A26.	5.1	22
25	A First Look at BISTRO Observations of the $\rho\text{-Oph-A}$ core. <i>Astrophysical Journal</i> , 2018, 859, 4.	4.5	46
26	The TOP-SCOPE Survey of PGCCs: PMO and SCUBA-2 Observations of 64 PGCCs in the Second Galactic Quadrant. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 49.	7.7	10
27	A Holistic Perspective on the Dynamics of G035.39-00.33: The Interplay between Gas and Magnetic Fields. <i>Astrophysical Journal</i> , 2018, 859, 151.	4.5	57
28	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	4.5	51
29	A multiwavelength observation and investigation of six infrared dark clouds. <i>Astronomy and Astrophysics</i> , 2017, 598, A76.	5.1	18
30	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	4.5	79
31	Two-dimensional Molecular Gas and Ongoing Star Formation around H II Region Sh2-104. <i>Astrophysical Journal</i> , 2017, 849, 140.	4.5	9
32	Searching for initial stage of massive star formation around the H II region G18.2-0.3. <i>Research in Astronomy and Astrophysics</i> , 2017, 17, 057.	1.7	7
33	Mass-size scaling $M \propto R^{1.67}$ of massive star-forming clumps – evidences of turbulence-regulated gravitational collapse. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 2286-2291.	4.4	10
34	N131: A dust bubble born from the disruption of a gas filament. <i>Astronomy and Astrophysics</i> , 2016, 585, A117.	5.1	16
35	GAS KINEMATICS AND STAR FORMATION IN THE FILAMENTARY IRDC G34.43+0.24. <i>Astrophysical Journal</i> , 2016, 819, 117.	4.5	26
36	SUBMILLIMETER ARRAY AND VERY LARGE ARRAY OBSERVATIONS IN THE HYPERCOMPACT H II REGION G35.58-0.03. <i>Astrophysical Journal</i> , 2014, 784, 107.	4.5	20