Masato I N Kobayashi

List of Publications by Year
in descending order

21	472	687363 13	752698 20
papers	citations	h-index	g-index

22	22	22	607
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Nature of Supersonic Turbulence and Density Distribution Function in the Multiphase Interstellar Medium. Astrophysical Journal, 2022, 930, 76.	4.5	9
3	Observations of Magnetic Fields Surrounding LkHÎ± 101 Taken by the BISTRO Survey with JCMT-POL-2. Astrophysical Journal, 2021, 908, 10.	4.5	16
4	CO Multi-line Imaging of Nearby Galaxies (COMING). IX. 12CO(Jâ€‰=â€‰2â€“1)/12CO(Jâ€‰=â€‰1â€“0) line ratio on kiloparsec scales. Publications of the Astronomical Society of Japan, 2021, 73, 257-285.	2.5	33
5	ALMA Observations of Giant Molecular Clouds in M33. III. Spatially Resolved Features of the Star formation Inactive Million-solar-mass Cloud. Astrophysical Journal, 2021, 912, 66.	4.5	7
6	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
7	The JCMT BISTRO Survey: An 850/450 Î¼m Polarization Study of NGC 2071IR in Orion B. Astrophysical Journal, 2021, 918, 85.	4.5	13
8	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. Astrophysical Journal, 2020, 899, 28.	4.5	39
9	Systematic Variations of CO JÂ=Â2â^'1/1â€“0 Ratio and Their Implications in The Nearby Barred Spiral Galaxy M83. Astrophysical Journal Letters, 2020, 890, L10.	8.3	20
10	Bimodal Behavior and Convergence Requirement in Macroscopic Properties of the Multiphase Interstellar Medium Formed by Atomic Converging Flows. Astrophysical Journal, 2020, 905, 95.	4.5	7
11	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. Astrophysical Journal, 2019, 876, 42.	4.5	42
12	CO Multi-line Imaging of Nearby Galaxies (COMING). VI. Radial variations in star formation efficiency. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	16
13	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core Ï Ophiuchus C. Astrophysical Journal, 2019, 877, 43.	4.5	38
14	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. Astrophysical Journal, 2019, 877, 88.	4.5	37
15	Stellar mass dependence of the 21-cm signal around the first star and its impact on the global signal. Monthly Notices of the Royal Astronomical Society, 2018, 480, 1925-1937.	4.4	9
16	Star formation induced by cloudâ€“cloud collisions and galactic giant molecular cloud evolution. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	15
17	A First Look at BISTRO Observations of the Ï•Oph-A core. Astrophysical Journal, 2018, 859, 4.	4.5	46
18	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. Astrophysical Journal, 2018, 861, 65.	4.5	51

#	Article	IF	Citations
19	Evolutionary Description of Giant Molecular Cloud Mass Functions on Galactic Disks. Astrophysical Journal, 2017, 836, 175.	4.5	29
20	The Formation and Destruction of Molecular Clouds and Galactic Star Formation. Proceedings of the International Astronomical Union, 2015, 11, 61-68.	0.0	0
21	Can we use weak lensing to measure total mass profiles of galaxies on 20Âkpc scales?. Monthly Notices of the Royal Astronomical Society, 2015, 449, 2128-2143.	4.4	8