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	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. Astrophysical Journal, 2018, 861, 65.	4.5	51
2	A First Look at BISTRO Observations of the Ï•Oph-A core. Astrophysical Journal, 2018, 859, 4.	4.5	46
3	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. Astrophysical Journal, 2019, 876, 42.	4.5	42
4	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. Astrophysical Journal, 2020, 899, 28.	4.5	39
5	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core Ï Ophiuchus C. Astrophysical Journal, 2019, 877, 43.	4.5	38
6	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. Astrophysical Journal, 2019, 877, 88.	4.5	37
7	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
8	Evolutionary Description of Giant Molecular Cloud Mass Functions on Galactic Disks. Astrophysical Journal, 2017, 836, 175.	4.5	29
9	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
10	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
11	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
12	Observations of Magnetic Fields Surrounding LkHÎ± 101 Taken by the BISTRO Survey with JCMT-POL-2. Astrophysical Journal, 2021, 908, 10.	4.5	16
13	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
14	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
15	The JCMT BISTRO Survey: An 850/450 Î¼m Polarization Study of NGC 2071IR in Orion B. Astrophysical Journal, 2021, 918, 85.	4.5	13
16	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
17	Nature of Supersonic Turbulence and Density Distribution Function in the Multiphase Interstellar Medium. Astrophysical Journal, 2022, 930, 76.	4.5	9
18	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

#	Article	IF	Citations
19	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
20	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
21	The Formation and Destruction of Molecular Clouds and Galactic Star Formation. Proceedings of the International Astronomical Union, 2015, 11, 61-68.	0.0	0