

Full Publication List

- Yang, M-Z., Lai, S-P., [Karoly, J.](#), et al. *The JCMT BISTRO Survey: Unveiling the Magnetic Fields around Galactic Center*. 2025, ApJ, Accepted, [arXiv:2503.05198](#).
- [Karoly, J.](#), Ward-Thompson, D., Pattle, K., BISTRO Consortium. *The JCMT BISTRO Survey: Magnetic Fields Align with Orbital Structure in the Galactic Center*. 2025, ApJL, 982, 22.
- Sanhueza, P., Liu, J., Morii, K., et al. *Magnetic Fields in Massive Star-forming Regions (MagMaR). V. The Magnetic Field at the Onset of High-mass Star Formation*. 2025, [ApJ, 980, 87](#).
- Gupta, S., Soam, A., [Karoly, J.](#), et al. *Magnetic fields on different spatial scales of the L328 cloud*. 2025, MNRAS, Accepted, [arXiv:2412.19701](#).
- Wu, J., Qiu, K., Poidevin, F., et al. *A Tale of Three: Magnetic Fields along the Orion Integral-shaped Filament as Revealed by the JCMT BISTRO Survey*. 2024, [ApJL, 977, 31](#).
- Choi, Y., Kwon, W., Pattle, K., et al. *The JCMT BISTRO Survey: The Magnetic Fields of the IC 348 Star-forming Region*. 2024, [ApJ, 977, 31](#).
- Chen, M. C-Y., Fissel, L. M., Sadavoy, S. I., et al. *Relative alignments between magnetic fields, velocity gradients, and dust emission gradients in NGC 1333*. 2024, [MNRAS, 533, 1938](#).
- Saha, P., Sanhueza, P., Padovani, M., et al. *Magnetic Fields in Massive Star-forming Regions (MagMaR): Unveiling an Hourglass Magnetic Field in G333.46–0.16 Using ALMA*. 2024, [ApJL, 972, 6](#).
- Pattle, K., Barry, P. S., Blain, A. W., et al. *The UK Submillimetre and Millimetre Astronomy Roadmap 2024*. 2024, submitted to STFC, [arXiv:2408.12975](#).
- Li, S., Bintley, D., Ho, P.T.P., et al. *Current progress of the new sub-millimeter survey instrument at JCMT: an upgrade to SCUBA-2/POL-2 with 7272 MKIDs detectors at 850 μ m*. 2024, in Bryant J. J., Motohara K., Vernet J. R. D., eds, Proc. SPIE Vol. 13096, <https://doi.org/10.1117/12.3018648>.
- Andersson, B-G., [Karoly, J.](#), Bastien, P., et al. *Submillimeter-wavelength Polarimetry of IRC+10216*. 2024, ApJ, 963, 76.
- Wang, J-W., Koch, P.M., Clarke, S.D., et al. *Filamentary Network and Magnetic Field Structures Revealed with BISTRO in the High-mass Star-forming Region NGC 2264: Global Properties and Local Magnetogravitational Configurations*. 2024, [ApJ, 962, 136](#).
- [Karoly, J.](#), Ward-Thompson, D., Pattle, K., BISTRO Consortium. *The JCMT BISTRO Survey: Studying the Complex Magnetic Field of L43*. 2023, ApJ, 952, 29.
- Bonne, L., Andersson, B-G., Minchin, R., et al. *High Resolution Observations of HI in the IC 63 Reflection Nebula*. 2023, [AJ, 165, 243](#).
- Ward-Thompson, D., [Karoly, J.](#), Pattle, K., and the BISTRO Consortium. *First BISTRO Observations of the Dark Cloud Taurus L1495A: The Role of the Magnetic Field in the Earliest Stages of low-mass Star Formation*. 2023, ApJ, 946, 62.

- Hwang, J., Kim, J., Pattle, K., and the BISTRO Consortium. *The JCMT BISTRO Survey: A Spiral Magnetic Field in a Hub-filament Structure, Monoceros R2*. 2022, [ApJ, 941, 51](#).
- Soam, A., Andersson, B-G., [Karoly, J.](#), et al. *Spatial variation in temperature and density in the IC 63 PDR from H₂H₂ Spectroscopy*. 2021, ApJ, 923, 107S.
- Könyves, V., Ward-Thompson, D., Pattle, K., and the BISTRO Consortium. *The JCMT BISTRO-2 Survey: The Magnetic Field in the Center of the Rosette Molecular Cloud*. 2021, [ApJ, 913, 57](#).
- [Karoly, J.](#), Soam, A., Andersson, B-G., et al. *Revisiting the Magnetic Field of the L183 Starless Core*. 2020, ApJ, 900, 181.