

Christopher M. Johns–Krull

Publications

Invited Reviews:

- Johns–Krull, C.M. 2014, “Astrophysics: Secret ingredient exposed” in, *Nature*, 514, p. 571.
- Johns–Krull, C.M. 2009, “Hot Inner Winds From T Tauri Stars” in, *Protostellar Jets in Context*, T. Ray, K. Tsinganos, & M. Stute (eds.), (Springer: Heidelberg), p. 33.
- Johns–Krull, C.M. 2009, “Astrophysics: Magnetic bond” in, *Nature*, 457, p. 158.
- Johns–Krull, C.M. 2009, “Observations of Magnetic Fields on Late-Type Stars and Brown Dwarfs” in, *5th Solar Polarization Workshop*, ASP Conf. Series, 405, p. 485.
- Johns–Krull, C.M. 2008, “Photospheric Magnetic Field Measurements on Late-Type Stars and Brown Dwarfs” in, *14th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, ASP Conf. Series, 384, p. 145.
- Johns–Krull, C.M. 2007, “Measurements of Magnetic Fields on T Tauri Stars” in, *Proceedings of Stars-Disk Interaction in Young Stars*, IAU Symp., 243; p. 31.
- Johns–Krull, C.M. & Valenti, J.A. 2005, “Magnetic Field Measurements for Cool Stars” in F. Favata, G. Hussain, & B. Battrick (eds.), *Proceedings of 13th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, ESA SP-560, p. 261.
- Valenti, J.A., and Johns–Krull, C.M. 2004, “Observations of Magnetic Fields on T Tauri Stars” in *Magnetic Fields and Star Formation*, Ap&SS, 292, p. 619.
- Johns–Krull, C.M. and Valenti, J.A. 2003, “Magnetic Activity and the Solar-Stellar Connection” in, *The Future of Small Telescopes in the New Millenium III. Science in the Shadows of Giants*, T.D. Oswalt (ed.), (Dordrecht: Kluwer), p. 225.
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Refereed Journals:

- Chen, W. & Johns–Krull, C.M. 2022 “Locations of Accretion Spots on Classical T Tauri Stars” in, *Astrophys. J.*, in prep.
- Chen, W. & Johns–Krull, C.M. 2022 “Magnetic Variability of the Classical T Tauri Star TW Hydrae” in, *Astrophys. J.*, in prep.

- Stahl, Asa G. & Johns–Krull, Christopher M. 2022 “New Confirmed Members of Nearby Young Stellar Associations Identified with BANYAN Σ ” in, *Astrophys. J.*, in review.
- Flagg, Laura, Johns–Krull, Christopher M., France, Kevin, Herczeg, Gregory, Najita, Joan, Youngblood, Allison, Carvalho, Adolfo, Carpenter, John, Kenyon, Scott, J., Newton, Elisabeth, & Keighley, Rockcliffe 2022 “The Mysterious Affair of H₂ in AU Mic” in, *Astrophys. J.*, in press.
- Mann, A.W., Wood, M.L., Schmidt, S.P. et al. (including C.M. Johns–Krull as author 15 out of 51) 2022 “TESS Hunt for Young and Maturing Exoplanets (THYME) VI: an 11 Myr giant planet transiting a very low-mass star in Lower Centaurus Crux” in, *Astronom. J.*, 163, 156.
- Espaillet, C.C., Herczeg, G.J., Thanathibodee, T. et al. (including C.M. Johns–Krull as author 14 out of 62) 2022 “The ODYSSEUS Survey. Motivation and First Results: Accretion, Ejection, and Disk Irradiation of CVSO 109” in, *Astronom. J.*, 163, 114.
- Ling, J., Isella, A., Johns–Krull, C.M., & Lazio, J. 2022 “Searching for Stellar and Planetary Emission in Large Field-of-view Radio Sky Surveys” in, *Astrophys. J.*, 926, 228.
- Xu, Z., Herczeg, G.J., Johns–Krull, C.M., & France, K. 2021 “Probing Protoplanetary Disk Winds with C II Absorption” in, *Astrophys. J.*, 921, 181.
- Flagg, L., Johns–Krull, C.M., France, K., Herczeg, G., Najita, J., Carpenter, J., & Kenyon, S. 2021 “Detection of H₂ in the TWA 7 System: A Probable Circumstellar Origin” in, *Astrophys. J.*, 921, 86.
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- Farrish, A., Alexander, D., Johns–Krull, C.M., & Li, M. 2021 “Modeling Stellar Activity – Rotation Relations in Unsaturated Cool Stars” in, *Astrophys. J.*, 916, 99.
- Tang, S.-Y., Stahl, A.G., Johns–Krull, C.M., Prato, L., & Llama, J. 2021 “IGRINS RV: A Python Package for Precision Radial Velocities with Near-Infrared Spectra” in, *J. of Open Source Software*, 6, 3095.
- Stahl, A.G., Tang, S.-Y., Johns–Krull, C.M., Prato, L., Llama, J., Mace, G.N., Lee, J.J., Oh, H., Luna, J., & Jaffe, D.T. 2021 “IGRINS RV: A Precision RV Pipeline for IGRINS Using Modified Forward-Modeling in the Near-Infrared” in, *Astronom. J.*, 161, 283.
- Cauley, P.W., France, K., Herczeg, G., & Johns–Krull, C.M. 2021 “Hubble Space Telescope observations of the CO/H₂ ratio in the Herbig Ae disks HK Ori and T Ori” in, *Astronom. J.*, 161, p. 217.

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- Carvalho, A., Johns–Krull, C.M., Prato, L., & Anderson, J. 2021 “Radial Velocity Monitoring of the Young Star Hubble 4: Orbital Motion and a Determination of Star Spot Lifetime” in, *Astrophys. J.*, 910, p. 33.
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- Flagg, L., Johns–Krull, C.M., Nofi, L., Llama, J., Prato, L., Sullivan, K., Jaffe, D.T., & Mace, G. 2019 “CO Detected in CI Tau b: Hot Start Implied by Planet Mass and M_K ” in, *Astrophys. J. Lett.*, 878, p. L37.
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