

Publication List

Josh Eisner

79. “Disk Masses for Embedded Class I Protostars in the Taurus Molecular Cloud”, P.D. Sheehan & J.A. Eisner, 2018, *Astrophysical Journal*, in press
78. “An Explanation of the Very Low Radio Flux of Young Planet-mass Companions”, Y.-L. Wu, L. M. Close, J.A. Eisner, & P.D. Sheehan, 2017, *Astronomical Journal*, in press
77. “Data Reduction and Image Reconstruction Techniques for Non-Redundant Masking”, S.E. Sallum & J.A. Eisner, 2017, *Astrophysical Journal Supplement Series*, in press
76. “Improved Constraints on the Disk Around MWC 349A from the 23-meter LBTT”, S.E. Sallum, J.A. Eisner, P.M. Hinz, P.D. Sheehan, A.J. Skemer, P.J. Tuthill, & J.S. Young, 2017, *Astrophysical Journal*, 844, 22
75. “WL 17: A Young Embedded Transition Disk”, P.D. Sheehan & J.A. Eisner, 2017, *Astrophysical Journal Letters*, 840, 12
74. “The ALMA View of the OMC1 Explosion in Orion”, J.M. Bally, A. Ginsburg, H. Arce, J.A. Eisner, A. Youngblood, L. Zapata, H. Zinnecker, 2017, *Astrophysical Journal*, 837, 60
73. “A VLA Survey For Faint Compact Radio Sources in the Orion Nebula Cluster”, P.D. Sheehan, J.A. Eisner, R.K. Mann, J.P. Williams, 2016, *Astrophysical Journal*, 831, 155
72. “L-band Spectroscopy with Magellan-AO/Clio2: First Results on Young Low-Mass Companions”, J.M. Stone, J.A. Eisner, A.J. Skemer, K. Morzinski, L. Close, J. Males, T.J. Rodigas, P. Hinz, A. Puglisi, 2016, *Astrophysical Journal*, 829, 39
71. “Prompt planetesimal formation beyond the snow line”, P.J. Armitage, J.A. Eisner, & J.B. Simon, 2016, *Astrophysical Journal Letters*, 828, 2
70. “iLocater: a diffraction-limited Doppler spectrometer for the Large Binocular Telescope”, J.R. Crepp, et al., 2016, *Proc. SPIE*, 9908
69. “Imaging protoplanets: observing transition disks with non-redundant masking”, S.E. Sallum, J.A. Eisner, L. Close, et al., 2016, *Proc. SPIE*, 9907
68. “Protoplanetary Disks in the Orion OMC1 Region Imaged with ALMA”, J.A. Eisner, J.M. Bally, A. Ginsburg, P.D. Sheehan, 2016, *Astrophysical Journal*, 826, 16
67. “Adaptive Optics imaging of VHS 1256-1257: A Low Mass Companion to a Brown Dwarf Binary System”, J.M. Stone, A.J. Skemer, K. Kratter, T. Dupuy, L. Close, J.A. Eisner, J. Fortney, P. Hinz, J. Males, C. Morley, K. Morzinski, K. Ward-Duong, 2016, *Astrophysical Journal Letters*, 818, 12
66. “The LEECH Exoplanet Imaging Survey: Orbit and Component Masses of the Intermediate Age, Late-Type Binary NO Uma”, J. E. Schlieder, et al., 2016, *Astrophysical Journal*, 818, 1

65. “The LEECH Exoplanet Imaging Survey: Characterization of the Coldest Directly Imaged Exoplanet, GJ 504 b, and Evidence for Super-Stellar Metallicity”, A.J. Skemer, et al. 2016, *Astrophysical Journal*, 817, 166
64. “Accreting Protoplanets in the LkCa 15 Transition Disk”, S.E. Sallum, K.B. Follette, J.A. Eisner, et al., 2015, *Nature*, 527, 342
63. “The Early ALMA View of the FU Ori Outburst System”, A.S. Hales, S.A. Corder, W.R.D. Dent, S.M. Andrews, J.A. Eisner, L.A. Cieza, 2015, *Astrophysical Journal*, 812, 134
62. “Exoplanet science with the LBTI: instrument status and plans”, D. Defrère, et. al., 2015, *Proc. SPIE*, 9605, 1
61. “ALMA Observations of the Largest Proto-Planetary Disk in the Orion Nebula, 114-426: A CO Silhouette”, J. Bally, R. K. Mann, J.A. Eisner, S.M. Andrews, J. Di Francesco, M. Hughes, D. Johnstone, B. Matthews, L. Ricci, J.P. Williams, 2015, *Astrophysical Journal*, 808, 69
60. “Spectral Energy Distributions of Accreting Protoplanets”, J.A. Eisner, 2015, *Astrophysical Journal Letters*, 803, 4
59. “Protoplanetary Disk Masses in the Young NGC 2024 Cluster”, R.K. Mann, S.M. Andrews, J.A. Eisner, J.P. Williams, M.R. Meyer, J. Di Francesco, J.M. Carpenter, D. Johnstone, 2015, *Astrophysical Journal*, 802, 77
58. “The LEECH Exoplanet Imaging Survey. Further constraints on the planet architecture of the HR 8799 system”, A.-L. Maire, et al., 2015, *Astronomy & Astrophysics*, 576, 133
57. “New Spatially Resolved Observations of the T Cha Transition Disk and Constraints on the Previously Claimed Substellar Companion”, S.E. Sallum, J.A. Eisner, L.M. Close, et al., 2015, *Astrophysical Journal*, 801, 85
56. “A Machine Learning Method to Infer Fundamental Stellar Parameters from Photometric Light Curves”, A.A. Miller, J.S. Bloom, J.W. Richards, Y.S. Lee, D.L. Starr, N.R. Butler, S. Tokarz, N. Smith, J.A. Eisner, 2015, *Astrophysical Journal*, 798, 122
55. “Time-monitoring Observations of Br γ Emission from Young Stars”, J.A. Eisner, G.H. Rieke, M.J. Rieke, K.M. Flaherty, J.M. Stone, T.J. Arnold, S.R. Cortes, E. Cox, C. Hawkins, A. Cole, S. Zajak, & A.L. Rudolph, 2015, *Monthly Notices of the Royal Astronomical Society*, 447, 202
54. “Constraining the Sub-AU-Scale Distribution of Hydrogen and Carbon Monoxide Gas around Young Stars with the Keck Interferometer”, J.A. Eisner, L.A. Hillenbrand, & J. M. Stone, 2014, *Monthly Notices of the Royal Astronomical Society*, 443, 1916
53. “The Inner AU of Protoplanetary Disks: From Visibilities to Spectra to Images”, J.A. Eisner, 2014, *ASP Conference Series*, 487, 65
52. “Variable Accretion Processes in the Young Binary-Star System UY Aur”, J. M. Stone, J.A. Eisner, C. Salyk, C. Kulesa, & D. McCarthy, 2014, *Astrophysical Journal*, 792, 56

51. “Constraining the Disk Masses of the Class I Binary Protostar GV Tau”, P. D. Sheehan & J.A. Eisner, 2014, *Astrophysical Journal*, 791, 19
50. “High contrast imaging at the LBT: the LEECH exoplanet imaging survey”, A.J. Skemer, et. al., 2014, *Proc. SPIE*, 9148, 20
49. “First Faint Dual-field Off-axis Observations in Optical Long Baseline Interferometry”, J. Woillez, P. Wizinowich, R. Akeson, M. Colavita, J. A. Eisner, R. Millan Jordan-Gabet, J. D. Monnier, J.-U. Pott, & S. Ragland, 2014, *Astrophysical Journal*, 783, 104
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42. “High Precision Astrometry with a Diffractive Pupil Telescope”, O. Guyon, E.A. Bendek, J.A. Eisner, et al., 2012, *Astrophysical Journal Supplement Series*, 200, 11
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35. “Resolving the Sub-AU-Scale Gas and Dust Distribution in FU Orionis Sources”, J.A. Eisner & L.A. Hillenbrand, 2011, *Astrophysical Journal*, 738, 9
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32. “Spatially and Spectrally Resolved Hydrogen Gas within 0.1 AU of T Tauri and Herbig Ae/Be Stars”, J.A. Eisner, J. D. Monnier, J. Woillez, R.L. Akeson, R. Millan-Gabet, J.R. Graham, L. A. Hillenbrand, J.-U. Pott, S. Ragland, & P. Wizinowich, 2010, *Astrophysical Journal*, 718, 774
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