

Christopher M. Johns–Krull

Publications

Invited Reviews:

- 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.
- Valenti, J.A. and Johns–Krull, C.M. 2001 “Magnetic Field Measurements for Cool Stars” in G. Mathys, S.K. Solanki, and D.T. Wickramasinghe (eds.), *Magnetic Fields Across the Hertzsprung-Russell Diagram*, ASP Conf. Ser., Vol. 248, p. 179.
- Johns–Krull, C. M. & Valenti, J. A. 2000, “Measurements of Stellar Magnetic Fields” in R. Pallavicini, G. Micela, & S. Sciortino (eds.), *Stellar Clusters and Associations: Convection, Rotation, and Dynamos*, ASP Conf. Ser., Vol. 198, p. 371.

Refereed Journals:

- Johns–Krull, C. M., Valenti, J. A., Jeffers, S. V., Piskunov, N. E., Kochukhov, O., Snik, F., and Keller, C. U. 2012 “Using the HARPS Spectropolarimeter to Study Magnetically Controlled Accretion on the Classical T Tauri Stars GQ Lupi and TW Hydrae” in, *Astrophys. J.*, submitted.
- Cauley, P. W., Johns–Krull, C. M., Hamilton, C. M., and Lockhart, K. 2012 “Testing Disk-Locking in NGC 2264” in, *Astrophys. J.*, in revision.
- Chen, W. and Johns–Krull, C.M. 2012 “Spectropolarimetry of the Classical T Tauri

- Star BP Tauri” in, *Astrophys. J.*, in revision.
- Hamilton, C. M., Johns–Krull, C. M., Mundt, R., Herbst, W., Winn, J. N., and Hestman, R. 2012 “Complex Variability of the H α Emission Line Profile of the T Tauri Binary System KH 15D – The Influence of Orbital Phase, Occultation by the Circumbinary Disk, and Accretion” in, *Astrophys. J.*, 751, p. 147.
- Ingleby, L. et al. (CMJ-K is author 15 of 23) 2011 “NUV Excess in Slowly Accreting T Tauri Stars: Limits Imposed by Chromospheric Emission” in, *Astrophys. J.*, 743, p. 105.
- Makaganiuk, V., Kochukhov, O., Piskunov, N., Jeffers, S. V., Johns–Krull, C. M., Keller, C. U., Rodenhuis, M., Snik, F., Stempels, H. C., and Valenti, J. A. 2011 “Magnetism, Chemical Spots, and stratification in the HgMn star phi Phoenicis” in, *Astron. & Astrophys.*, 539, p. A142.
- Yang, H., Herczeg, G.J., Linsky, J.L., Brown, A., Johns–Krull, C.M., Ingleby, L., Calvet, N., and Bergin, E. 2011 “A Far-Ultraviolet Atlas of Low-Resolution HST Spectra of T Tauri Stars” in, *Astrophys. J.*, 744, p. 121.
- Kochukhov, O., Makaganiuk, V., Piskunov, N., Snik, F., Jeffers, S. V., Johns–Krull, C. M., Keller, C. U., Rodenhuis, M., and Valenti, J. A. 2011 “First Detection of Linear Polarization in the Line Profiles of Active Cool Stars” in, *Astrophys. J. Lett.*, 732, p. L19.
- Mahmud, N.I., Crockett, C.J., Johns–Krull, C.M., Prato, L., Hartigan, P., Jaffe, D.T., and Beichman, C.A. 2011 “Star-Spot Induced Optical and Infrared Radial Velocity Variability in the T Tauri Star Hubble I 4” in, *Astrophys. J.*, 736, p. 123.
- Crockett, C., Mahmud, N., Prato, L., Johns–Krull, C.M., Jaffe, D., and Beichman, C. 2011 “Precision Radial Velocities with CSHELL” in, *Astrophys. J.*, 735, p. 78.
- France, K., and 23 others, 2011 “The Far-Ultraviolet ‘Continuum’ in Protoplanetary Disk Systems II: CO Fourth Positive Emission and Absorption” in, *Astrophys. J.*, 743, p. 31.
- Makaganiuk, V., Kochukhov, O., Piskunov, N., Jeffers, S.V., Johns–Krull, C.M., Keller, C.U., Rodenhuis, M., Snik, F., Stempels, H.C., and Valenti, J.A. 2011 “Chemical Spots in the Absence of Magnetic Field in the Binary HgMn Star 66 Eridani” in, *Astron. & Astrophys.*, 529, p. 160.
- Piskunov, N., Snik, F., Dolgoplov, A., Kochukhov, O., Rodenhuis, M., Valenti, J., Jeffers, S., Makaganiuk, V., Johns–Krull, C.M., Stempels, E., and Keller, C. 2011 “HARPSpol – The New Polarimetric Mode for HARPS” in, *The Messenger*, 143, p. 7.
- Yang, H. and Johns–Krull, C.M. 2011 “Magnetic Field Measurements of T Tauri Stars in the Orion Nebula Cluster” in, *Astrophys. J.*, 729, p. 83.
- Makaganiuk, V., Kochukhov, O., Piskunov, N., Jeffers, S.V., Johns–Krull, C.M., Keller, C.U., Rodenhuis, M., Snik, F., Stempels, H.C., and Valenti, J.A. 2010 “The Search

- for Magnetic Fields in Mercury-Manganese Stars” in, *Astron. & Astrophys.*, 525, p. 97.
- Herbst, W., LeDuc, K., Hamilton, C.M., Winn, J.N., Ibrahimov, M., Mundt, R., and Johns–Krull, C.M. 2010 “The Light Curve of the Weakly-Accreting T Tauri Binary KH 15D from 2005-2010: Insights into the Nature of its Protoplanetary Disk” in, *Astronom. J.*, 140, p. 2025.
- Burke, C.J., McCullough, P.R., Bergeron, E., Long, D., Gilliland, R.L., Nelan, E.P., Johns–Krull, C.M., Valenti, J.A., and Janes, K.A. 2010 “NICMOS Observations of the Transiting Hot Jupiter XO-1b” in, *Astrophys. J.*, 719, p. 1796.
- Lawler, S.M., Herbst, W., Redfield, S., Hamilton, C.M., Johns–Krull, C.M., Winn, J.N., Johnson, J.A., and Mundt, R. 2010 “Gas Absorption in the KH 15D System: Further Evidence for Dust Settling in the Circumbinary Disk” in, *Astrophys. J.*, 711, p. 1297.
- Machalek, P., Greene, T., McCullough, P.R., Burrows, A., Burke, C.J., Hora, J.L., Johns–Krull, C.M., and Deming, D.L. 2010 “Thermal Emission and Tidal Heating of the Heavy and Eccentric Planet XO-3b” in, *Astrophys. J.*, 711, p. 111.
- Mundt, R., Hamilton, C.M., Herbst, W., Johns–Krull, C.M., and Winn, J.N. 2010 “Bipolar Jets Produced by a Spectroscopic Binary” in, *Astrophys. J. Lett.*, 708, L5.
- Phan-Bao, N., Lim, J., Donati, J.-F., Johns–Krull, C.M., and Martín, E.L. 2009, “Magnetic Field Topology in Low-Mass Stars: Spectropolarimetric Observations of M Dwarfs” in, *Astrophys. J.*, 704, p. 1721.
- Machalek, P., McCullough, P.R., Burrows, A., Burke, C.J., Hora, J.L., and Johns–Krull, C.M. 2009 “Detection of Thermal Emission of XO-2b: Evidence for a Weak Temperature Inversion” in, *Astrophys. J.*, 701, p. 514.
- McCullough, P.R., Burke, C.J., Valenti, J.A., Long, D., Johns–Krull, C.M., Machalek, P., Janes, K.A., Taylor, B., Gregorio, J., Foote, C.N., Gary, B.L., Fleenor, M., García-Melendo, E., and Vanmunster, T. 2008 “XO-4b: An Extrasolar Planet Transiting an F5V Star” in, *Astrophys. J.*, in press.
- Johns–Krull, C.M., Greene, T.P., Doppmann, G.W., and Covey, K.R. 2009 “First Detection of a Magnetic Field on a Class I Protostar” in, *Astrophys. J.*, 700, 1440.
- Prato, L., Lockhart, K.E., Johns–Krull, C.M., and Rayner, J.T. 2009 “Stellar and Circumstellar Properties of Class I Protostars” in, *Astronom. J.*, 137, 3931.
- Yang, H., Johns–Krull, C.M., and Valenti, J.A. 2008 “Magnetic Properties of Young Stars in the TW Hydrae Association” in, *Astronom. J.*, 136, 2286.
- Prato, L., Huerta, M., Johns–Krull, C.M., Mahmud, N., Jaffe, D.T., and Hartigan, P. 2008 “A Young Planet Search in Visible and IR Light: DN Tau, V836 Tau, and V827 Tau” in, *Astrophys. J.*, 687, L103.
- Burke, C.J., McCullough, P.R., Valenti, J.A., Long, D., Johns–Krull, C.M., Machalek,

- P., Janes, K.A., Taylor, B., Fleenor, M.L., Foote, C.N., Gary, B.L., Garcia-Melendo, E., Gregorio, J., and Vanmunster, T. 2008 “XO-5b: A Transiting Jupiter-sized Planet With A Four Day Period” in, *Astrophys. J.*, 686, 1331.
- Winn, J.N., Holman, M.J., Torres, G., McCullough, P., Johns–Krull, C.M., Latham, D.W., Shporer, A., Mazeh, T., Garcia–Melendo, E., Foote, C., Esquerdo, G., and Everett, M. 2008 “The Transit Light Curve Project. IX. Evidence for a Smaller Radius of the Exoplanet XO-3b” in, *Astrophys. J.*, 683, 1076.
- Huerta, M., Johns–Krull, C.M., Prato, L., Hartigan, P., & Jaffe, D. 2008 “Star Spot Induced Radial Velocity Variability in LkCa 19” in, *Astrophys J.*, 678, 472.
- Walkowicz, L.M., Johns–Krull, C.M., and Hawley, S.L. 2008 “Characterizing the Near-UV Environment of M Dwarfs” in, *Astrophys J.*, 677, 593.
- Johns–Krull, C.M., McCullough, P.R., Burke, C.J., Valenti, J.A., Janes, K.A., Heasley, J.N., Bissinger, R., Fleenor, M., Foote, C.N., García–Melendo, E., Gary, B.L., Howell, P.J., Mallia, F., Masi, G., Prato, L. & Vanmunster, T. 2008 “XO-3b: A Massive Planet in an Eccentric Orbit Transiting an F5V Star” in, *Astrophys J.*, 677, 657.
- Berger, E., Basri, G., Gizis, J. E., Giampapa, M. S., Rutledge, R. E., Liebert, J., Martín, E., Fleming, T. A., Johns–Krull, C. M., Phan–Bao, N., Sherry, W. H. 2008 “Simultaneous Multiwavelength Observations of Magnetic Activity in Ultracool Dwarfs. II. Mixed Trends in VB 10 and LSR 1835+32 and the Possible Role of Rotation” in, *Astrophys. J.*, 676, 1307.
- Herbst, W., Hamilton, C.M., LeDuc, K., Winn, J.E., Johns–Krull, C.M., Mundt, R., and Ibrahimov, M. 2008 “Reflected Light from Sand Grains in the Terrestrial Zone of a Protoplanetary Disk” in, *Nature*, 452, 194.
- Berger, E., Gizis, J.E., Giampapa, M.S., Rutledge, R.E., Liebert, J., Martin, E., Basri, G., Fleming, T.A., Johns–Krull, C.M., Phan-Bao, N., and Sherry, W.H. 2008 “Simultaneous Multi-Wavelength Observations of Magnetic Activity in Ultracool Dwarfs. I. The Complex Behavior of the M8.5 Dwarf TVLM513-46546” in, *Astrophys J.*, 673, 1080.
- Burke, C.J., McCullough, P.R., Valenti, J.A., Johns–Krull, C.M., Janes, K.A., Heasley, J.N., Summers, F.J., Stys, J.E., Bissinger, R., Fleenor, M., Foote, C.N., García–Melendo, E., Gary, B.L., Howell, P.J., Mallia, F., Masi, G., Taylor, B. & Vanmunster, T. 2007 “XO-2b: Transiting Hot Jupiter in a Metal-rich Common Proper Motion Binary” in, *Astrophys J.*, 671, 2115.
- Johns–Krull, C.M. 2007 “The Magnetic Fields of Classical T Tauri Stars” in, *Astrophys. J.*, 664, 975.
- Johns–Krull, C.M. and Herczeg, G.J. 2007 “How Hot is the Wind from TW Hydrae?” in, *Astrophys. J.*, 655, 345.
- Yang, H., Johns–Krull, C.M., & Valenti, J.A. 2007 “Spectropolarimetry of the Classical T Tauri Star TW Hydrae” in, *Astronom. J.*, 133, 73.

- Bouvier, J., Alencar, S.H.P., Harries, T.J., Johns–Krull, C.M., and Romanova, M.M. 2007 “Magnetospheric Accretion in T Tauri Stars” in, *Protostars and Planets V*, B. Reipurth, D. Jewitt, and K. Keil (eds.), (Tucson: Univ. of Arizona Press), p. 479.
- Bean, J.L., Sneden, C., Hauschildt, P.H., Johns–Krull, C.M., and Benedict, G.F. 2006 “Accurate M Dwarf Metallicities from Spectral Synthesis: A Critical Test of Model Atmospheres” in, *Astrophys. J.*, 652, 1604.
- McCullough, P.R., Stys, J.E., Valenti, J.A., Johns–Krull, C.M., Janes, K.A., Heasley, J.N., Bye, B.A., Dodd, C., Fleming, S.W., Pinnick, A., Bissinger, R., Gary, B.L., Howell, P.J., & Vanmunster, T. 2006 “A Transiting Planet of a Sun-like Star” in, *Astrophys J.*, 648, 1228.
- Osten, R.A., Hawley, S.L., Allred, J., Johns–Krull, C.M., Brown, A., & Harper, G. 2006 “From Radio to X-ray: The Quiescent Atmosphere of the dMe Flare Star EV Lacertae” in, *Astrophys. J.*, 647, 1349.
- Herczeg, G.J., Linsky, J.L., Walter, F.M., Gahm, G.F., & Johns–Krull, C.M. 2006 “The Origins of Fluorescent H₂ Emission From T Tauri Stars” in, *Atrophys. J. Supp.*, 165, 256.
- Brown, J.C., Emslie, A.G., Holman, G.D., Johns–Krull, C.M., Kontar, E.P., Lin, R.P., Massone, A.M., & Piana, M. 2006 “Evaluation of Algorithms for Reconstructing Electron Spectra from their Bremsstrahlung Hard X-Ray Spectra” in, *Astrophys. J.*, 643, 523.
- Daou, A.G., Johns–Krull, C.M., & Valenti, J.A. 2006 “Spectropolarimetry of the Classical T Tauri Star T Tauri” in, *Astronom. J.*, 131, 502.
- García–Alvarez, D., Johns–Krull, C.M., Doyle, J.G., & Butler, C.J. 2005, “Optical and EUV Observations of Solar Flare Kernels ” in, *Astron. & Astrophys.*, 444, 593.
- Yang, H., Johns–Krull, C.M., & Valenti, J.A. 2005 “Measuring the Magnetic Field on the Classical T Tauri Star TW Hydrae” in, *Astrophys. J.*, 635, 466.
- Bercik, D. J., Fisher, G. H., Johns–Krull, C. M., & Abbett, W. P. 2005, “Convective Dynamos and the Minimum X-Ray Flux in Main Sequence Stars” in, *Astrophys. J.*, 631, 529.
- Berger, E., Rutledge, R. E., Reid, I. N., Bildsten, L., Gizis, J. E., Liebert, J., Martn, E., Basri, G., Jayawardhana, R., Brandeker, A., Fleming, T. A., Johns–Krull, C. M., Giampapa, M. S., Hawley, S. L., & Schmitt, J. H. M. M. 2005, “The Magnetic Properties of an L Dwarf Derived from Simultaneous Radio, X-Ray, and Halpha Observations” in, *Atrophys. J.*, 627, 960.
- Herczeg, G.H., Walter, F.M., Linsky, J.L., Gahm, G.F., Ardila, D.R., Brown, A., Johns–Krull, C.M., Simon, M., & Valenti, J.A. 2005, “The Loopy UV Line Profiles of RU Lupi: Accretion, Outflows, and Fluorescence” in, *Astronom. J.*, 129, 2777.
- Osten, R. A., Hawley, S. L., Allred, J. C., Johns–Krull, C. M., & Roark, C. 2005, “From

- Radio to X-ray: Flares on the dMe Flare Star EV Lacertae” in, *Astrophys. J.*, 621, 398.
- Johns–Krull, C.M., Valenti, J.A., & Saar, S.H. 2004, “Testing the Reality of Strong Magnetic Fields on T Tauri Stars: The Naked T Tauri Star Hubble 4” in, *Astrophys. J.*, 617, 1204.
- Johnson, J.A., Marcy, G.W., Hamilton, C.M., Herbst, W., & Johns–Krull, C.M. 2004, “KH 15D: A Spectroscopic Binary” in, *Astronom. J.*, 128, 1265.
- Herczeg, G.J., Wood, B.E., Linsky, J.L., Valenti, J.A., & Johns–Krull, C.M. 2004, “The Far Ultraviolet Spectra of TW Hya. II. Models of H₂ Fluorescence in a Disk” in, *Astrophys. J.*, 607, 369.
- Unruh, Y.C., Donati, J.-F., Oliveira, J.M., Collier Cameron, A., Catala, C., Henrichs, H.F., Johns–Krull, C.M., Foing, B., Cao, H., Landstreet, J., Stempels, E., de Jong, J.A., Telting, J., Walton, N., Ehrenfreund, P., Hatzes, A., Neff, J., Böhm, T., Simon, T., Kaper, L., Strassmeier, K.G., & Granzer, Th. 2003, “Multi-Site Observations of SU Aurigae” in, *MNRAS*, 348, 1301.
- Walter, F.M., Herczeg, G., Brown, A., Ardila, D., Gahm, G.F., Johns–Krull, C.M., Lissauer, J.J., Simon, M., & Valenti, J.A. 2003, “Mapping the Circumstellar Environment of T Tauri with Fluorescent H₂ Emission” in, *Astronom. J.*, 126, 3076.
- Lin, R.P., Krucker, S., Hurford, G.J., Smith, D.M., Hudson, H.S., Holman, G.D., Schwartz, R.A., Dennis, B.R., Share, G.H., Murphy, R.J., Emslie, A.G., Johns–Krull, C.M., & Vilmer, N. 2003, “RHESSI Observations of Particle, Acceleration and Energy Release in an Intense Solar Gamma-Ray Line Flare” in, *Astrophys. J. Letters*, 595, L69.
- Hawley, S.L., Allred, J.C., Johns–Krull, C.M., Fisher, G.H., Abbett, W.P., Alekseev, I., Avgoloupis, S.I., Deustra, S.E., Gunn, A., Seiradakis, J.H., Sirk, M.M., & Valenti, J.A. 2003, “Multi-Wavelength Observations of Flares on AD Leo” in, *Astrophys. J.*, 597, 535.
- Pevtsov, A.A., Fisher, G.H., Acton, L.W., Longcope, D.W., Johns–Krull, C.M., Kankelborg, C.C., & Metcalf, T.R. 2003, “The Relationship Between X-ray Radiance and Magnetic Flux” in, *Astrophys. J.*, 598, 1387.
- Valenti, J.A., Fallon, A.A., & Johns–Krull, C.M. 2003, “An *IUE* Atlas of Pre–Main–Sequence Stars: III. Coadded Final Archive Spectra from the Long Wavelength Cameras” in, *Astrophys. J. Suppl.*, 147, 305.
- Hamilton, C.E., Herbst, W., Mundt, R., Bailer–Jones, C.A.L., & Johns–Krull, C.M. 2003, “Natural Coronagraphic Observations of the Eclipsing T Tauri System KH 15D: Evidence for Accretion and Bipolar Outflow in a Weak-Line T Tauri Star” in, *Astrophys. J.*, 591, L45.
- Hawley, S.L. & Johns–Krull, C.M. 2003, “Transition Region Emission From Very Low Mass Stars” in, *Astrophys. J.*, 588, L109.

- Hurford, G.H., Schmahl, E.J., Schwartz, R.A., Conway, A.J., Aschwanden, M.J., Csillaghy, A., Dennis, B.R., Johns–Krull, C., Krucker, S., Lin, R.P., McTiernan, J., Metcalf, T.R., Sato, J., & Smith, D.M. 2002, “The RHESSI Imaging Concept” in, *Solar Physics*, 210, 61.
- Lin, R.P. & 65 other authors including C. Johns–Krull 2002, “The Reuven Ramaty High-Energy Solar Spectroscopic Imager (RHESSI)” in, *Solar Physics*, 210, 3.
- Johns–Krull, C.M. and Gafford, A.D. 2002, “New Tests of Magnetospheric Accretion in T Tauri Stars” in, *Astrophys. J.*, 573, 685.
- Hecceg, G.J., Linsky, J.L., Valenti, J.A., Johns–Krull, C.M., & Wood, B. E. 2002, “The Far-Ultraviolet Spectrum of TW Hydrae. I. Observations of H₂ Fluorescence” in, *Astrophys. J.*, 572, 310.
- Ardila, D.R., Basri, G., Walter, F.M., Valenti, J.A., & Johns–Krull, C.M. 2002, “Observations of T-Tauri Stars using HST-GHRS: II. Optical and Near UV Lines” in, *Astrophys. J.*, 567, 1013.
- Ardila, D.R., Basri, G., Walter, F.M., Valenti, J.A., & Johns–Krull, C.M. 2002, “Observations of T-Tauri Stars using HST-GHRS: I. Far Ultraviolet Emission Lines” in, *Astrophys. J.*, 566, 1100.
- Alencar, S.H.P., Johns–Krull, C.M., & Basri, G. 2001, “The Spectral Variability of the Classical T Tauri Star DR Tau” in, *Astronom. J.*, 122, 3335.
- Johns–Krull, C.M. & Valenti, J.A. 2001, “New IR Veiling Measurements and Constraints on Accretion Disk Models for Classical T Tauri Stars” in, *Astrophys. J.*, 561, 1060.
- Johns–Krull, C.M., Valenti, J.A., & Linsky, J.L. 2000, “An IUE Atlas of Pre-Main Sequence Stars II. Far UV Accretion Diagnostics in T Tauri Stars” in, *Astrophys. J.*, 539, 815.
- Valenti, J.A., Johns–Krull, C.M., & Linsky, J.L. 2000, “An IUE Atlas of Pre–Main–Sequence Stars: I. Coadded Final Archive Spectra from the SWP Camera” in, *Astrophys. J. Suppl.*, 129, 399.
- Rao, N.K., Lambert, D.L., Adams, M.T., Doss, D.R., Gonzalez, G., Hatzes, A.P., James, C.R., Johns–Krull, C.M., Luck, R.E., Pandey, G., Reinsch, K., Tomkin, J., & Woolf, V.W. 1999 “The 1995-96 Decline of R Coronae Borealis: High Resolution Optical Spectroscopy, *MNRAS*, 310, 717.
- Johns–Krull, C.M., Valenti, J.A., and Koresko, C. 1999, “Measuring the Magnetic Field on the Classical T Tauri Star BP Tauri” in, *Astrophys. J.*, 516, 900.
- Catala, C. et al. 1999, “Short-term spectroscopic variability in the pre-main sequence Herbig Ae star AB Aurigae during the MUSICOS 96 campaign” in, *Astron. & Astrophys.*, 345, 884.
- Combi, M.R., Cochran, A.L., Cochran, W.D., Lambert, D.L., and Johns–Krull, C.M. 1999, “Observation and Analysis of High Resolution Optical Line Profiles in Comet Hyakutake (C/1996 B2)” in, *Astrophys. J.*, 512, 961.

- Johns–Krull, C.M., Valenti, Hatzes, A.P., and Kanaan, A. 1999, “Spectropolarimetry of Magnetospheric Accretion on the Classical T Tauri Star BP Tauri” in, *Astropys. J. Letters*, 510, L41.
- Valenti, J.A., Piskunov, N., and Johns–Krull, C.M. 1998, “Spectral Synthesis of TiO Lines” in, *Astrophys. J.*, 498, 851.
- Johns–Krull, C.M. and Hatzes, A.P. 1997, “The Classical T Tauri Star Sz 68: Doppler Imaging and Evidence for Magnetospheric Accretion” in, *Astrophys. J.*, 487, 896.
- Basri, G., Johns–Krull, C.M., Mathieu, R.D. 1997, “The Classical T Tauri Spectroscopic Binary DQ Tau. II. Emission Line Variations with Orbital Phase” in, *Astronom. J.*, 114, 781.
- Johns–Krull, C.M., Hawley, S.L., Basri, G., and Valenti, J.A. 1997, “Hamilton Echelle Spectroscopy of the 6 March 1993 Solar Flare” in, *Astrophys. J. Suppl.*, 112, 221.
- Mathieu, R.D., Stassun, K., Basri, G., Jensen, E.L.N., Johns–Krull, C.M., Valenti, J., and Hartmann, L.W. 1997, “The Classical T Tauri Spectroscopic Binary DQ Tau I. Orbital Elements and Light Curves” in, *Astronom. J.*, 113, 1841.
- Smith, M.A., Cohen, D., Hubney, I., Plett, K., Basri, G., Johns–Krull, C.M., MacFarlane, J.J., and Hirata, R. 1997, “Dynamic Processes in Be Star Atmospheres. V. Helium Line Emissions from the Outer Atmosphere of λ Eridani” in, *Astrophys. J.*, 481; 467.
- Hatzes, A.P., Cochran, W.D., and Johns–Krull, C.M. 1997, “Testing the Planet Hypothesis: A Search for Variability in the Spectral Line Shapes of 51 Pegasi” in, *Astrophys. J.*, 478; 374.
- Johns–Krull, C.M. and Basri, G. 1997, “The Spectral Variability of the T Tauri Star DF Tau” in, *Astrophys. J.*, 474, 433.
- Brown, M.E., Bouchez, A.H., Spinrad, H., and Johns–Krull, C.M. 1996, “A High-Resolution Catalogue of Cometary Emission Lines” in, *Astronom. J.*, 112, 1197.
- Smith, M.A., Plett, K., Johns–Krull, C.M., Basri, G.S., Thomson, J., and Aufdenberg, J.P. 1996, “Dynamic Processes in Be Star Atmospheres. IV. Common Attributes of Line Profile ‘Dimples’” in, *Astrophys. J.*, 469, 336.
- Johns–Krull, C.M. and Valenti, J.A. 1996, “Detection of Strong Magnetic Fields on M Dwarfs” in, *Astrophys. J.*, 459, L95.
- Hawley, S.L., Fisher, G.H., Simon, T., Cully, S.L., Deustra, S.E., Jablonski, M., Johns–Krull, C.M., Pettersen, B.R., Smith, V., Spiesman, W.J., and Valenti, J. 1995, “Simultaneous EUVE and Optical Observations of AD Leonis: Evidence for Large Coronal Loops and the Neupert Effect in Stellar Flares” in, *Astrophys. J.*, 453, 464.
- Brown, M.E., Boudhez, A.H., Spinrad, H., and Johns–Krull, C.M. 1995, “Non-detection of the OH Meinel System in Comet P/Swift-Tuttle” in, *Astron. & Astrophys.*, 301, L1.

- Johns–Krull, C.M. 1996, “Limits on the Differential Rotation of T Tauri Stars” in, *Astron. & Astrophys.*, 306, 803.
- Johns, C.M. and Basri, G. 1995, “Hamilton Echelle Spectra of Young Stars II. Time Series Analysis of H α Variations” in, *Astronom. J.*, 109, 2800.
- Smith, D.M., Lin, R.P., Anderson, K.A., Hurley, K., and Johns, C.M. 1995, “High-Resolution Spectra of 20-300 keV Hard X-rays from Electron Precipitation Over Antarctica” in, *J. Geophys. Res.*, 100, 19675.
- Johns, C.M. and Basri, G. 1995, “The Line Profile Variability of SU Aur” in, *Astrophys. J.*, 449, 341.
- Spinrad, H., Brown, M.E., and Johns, C.M. 1993, “Kinematics of the Ion-Tail of Comet P/Swift-Tuttle” in, *Astronom. J.*, 108, 1462.
- Dickey, J.O., Marcus, S.L., Johns, C.M., Hide, R., and Thompson, S.R. 1993, “The Oceanic Contribution to the Earth’s Seasonal Angular Momentum Budget” in, *Geophysical Research Letters*, 20, 2953.
- Giampapa, M.S., Basri, G.S., Johns, C.M., and Imhoff, C.I. 1993, “A Synoptic Study of H α Line Profile Variability in the T Tauri Star SU Aurigae” in, *Astrophys. J. Suppl.*, 89, 321.
- Valenti, J.A., Basri, G., and Johns, C.M. 1993, “T Tauri Stars in Blue” in, *Astronom. J.*, 106, 2024.
- Lin, R.P. and Johns, C.M. 1993, “Two Accelerated Electron Populations in the 27 June 1980 Solar Flare” in, *Astrophys. J.*, 417, L53.
- Brown, M.E., Johns, C.M., and Spinrad, H. 1993, “Observations of the Plasma Flow in Comet P/Swift-Tuttle” in, *Geophysical Research Letters*, 20, 1003.
- Johns, C.M. and Lin, R.P. 1992, “The Derivation of Parent Electron Spectra from Bremsstrahlung Hard X-ray Spectra” in, *Solar Physics*, 137, 121.

Unrefereed:

- Johns–Krull, C. M., Valenti, J. A., Jeffers, S. V., Piskunov, N. E., Kochukhov, O., Keller, C., Snik, F., Rodenhuis, M., Makaganiuk, V., and Stempels, H. 2012 “HARPS Spectropolarimetry of Classical T Tauri Stars” in, *Proceedings of Stellar Spectropolarimetry: From Birth to Death*, eds. J Hoffman, B. Whitney, and J. Bjorkman, AIP, in press.
- Hartigan, P., Johns–Krull, C.M., and Scowen, P. 2011 “Inferring Rotation Periods of Young Stars from Synoptic Observations” in, *New Horizons in Time-Domain Astronomy*, IAUS 285, p. 327.
- Johns–Krull, C.M., Benedict, G.F., Mahmud, N., McArthur, B., McCullough, P., Valenti, J.A. 2012 “Hst Parallax Of XO-3 And Implications For The Structure Of Its Hot Jupiter” (abstract) in, *American Astronomical Society Meeting*, 219, #245.17.
- Crockett, C., Mahmud, N., Prato, L., Johns–Krull, C., Jaffe, D.T., Hartigan, P., and Beichman, C.A. 2012 “Giant Planet Companions to T Tauri Stars” (abstract) in, *American Astronomical Society Meeting*, 219, #228.04.
- Mahmud, N.I., Crockett, C.J., Prato, L., Johns–Krull, C.M., Hartigan, P., Jaffe, D.T., and Beichman, C.A. 2011 “A Search for Substellar Companions of T Tauri Stars” in, *ASP Conf. Series*, 448, 669.
- Hamilton, C.,M., Johns–Krull, C.M., Mundt, R., Herbst, W., and Winn, J.N. 2011 “Probing the Inner Disk and Magnetosphere of KH 15D” in, *ASP Conf. Series*, 448, 647.
- Chen, W. and Johns–Krull, C. M. 2011 “Magnetic Field Measurements on the Classical T Tauri Star BP Tauri” in, *ASP Conf. Series*, 448, 285.
- Kochukhov, O., Snik, F., Piskunov, N., Jeffers, S. V., Keller, C. U., Makaganiuk, V., Valenti, J. A., Johns–Krull, C. M., Rodenhuis, M., and Stempels, H. C. 2011 “New Insights into Stellar Magnetism from the Spectropolarimetry in All Four Stokes Parameters” in, *ASP Conf. Series*, 448, 245.
- Crockett, C. J., Mahmud, N., Prato, L., Johns–Krull, C. M., Hartigan, P., Jaffe, D. T., and Beichman, C. A. 2011 “Finding the Youngest Planets” in, *ASP Conf. Series*, 448, 53.
- Makaganiuk, V., Kochukhov, O., Piskunov, N., Jeffers, S. V., Johns–Krull, C. M., Keller, C. U., Rodenhuis, M., Snik, F., Stempels, H. C., and Valenti, J. A. 2011 “The Search for Magnetic Fields in Mercury-Manganese Stars” in, *IAUS*, 272, p. 202.
- Snik, F., Kochukhov, O., Piskunov, N., Rodenhuis, M., Jeffers, S., Keller, C., Dolgoplov, A., Stempels, E., Makaganiuk, V., Valenti, J., and Johns–Krull, C. 2011 “The HARPS Polarimeter” in, *Solar Polarization 6*. J. R. Kuhn, D. M. Harrington, H. Lin, S. V. Berdyugina, J. Trujillo-Bueno, S. L. Keil, and T. Rimmele (eds.), *ASP Conf. Series*, 437, p. 237.

- DeRoo, C., Prato, L., Skiff, B., Crockett, C., Mahmud, N., & Johns–Krull, C. 2011 “Determining Rotational Periods with Relative Photometry: V836 Tauri & BP Tauri” (abstract) in, *Bulletin of the American Astronomical Society*, 43, #343.01.
- Sokol, J., Herbst, W., Emery, J. P., Connelley, M. S., Hamilton, C. M., Johns–Krull, C. M., & Mundt, R. 2011 “Near-infrared Spectroscopy of KH 15D” (abstract) in, *Bulletin of the American Astronomical Society*, 43, #340.01.
- Mahmud, N., Crockett, C., Johns–Krull, C., Prato, L., Hartigan, P., Jaffe, D., & Beichman, C. 2011 “Brown Dwarfs and Giant Planets Around Young Stars” (abstract) in, *Bulletin of the American Astronomical Society*, 43, #253.14.
- Crockett, C., Mahmud, N., Prato, L., Johns–Krull, C. M., Hartigan, P., Jaffe, D. T., & Beichman, C. A. 2011 “Searching For The Youngest Planets With CSHELL” (abstract) in, *Bulletin of the American Astronomical Society*, 43, #253.13.
- Snik, F., Kochukhov, O., Piskunov, N., Rodenhuis, M., Jeffers, S., Keller, S., Dolgoplov, A., Stempels, E., Makaganiuk, V., Valenti, J., and Johns–Krull, C. 2010 “The HARPS polarimeter” in, *The 6th Solar Polarization Workshop, ASP Conf. Series*, 437; p. 237.
- Hamilton, C. M., Johns–Krull, C. M., Mundt, R., Herbst, W., & Winn, J. N. 2009, “Probing the size of a magnetosphere of a young solar-like star” in, *Cosmic Magnetic Fields: From Planets, to Stars and Galaxies*, IAUS, 259, p. 413.
- Johns–Krull, C. M. 2009, “Measuring T Tauri Star Magnetic Fields” in, *Cosmic Magnetic Fields: From Planets, to Stars and Galaxies*, IAUS 259, p. 345.
- Yang, H. & Johns–Krull, C.M. 2009, “Magnetic Fields of the T Tauri Stars in the Orion Nebula Cluster” in, *15th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, AIP Conf. Series, 1094, p. 736.
- Hamilton, C.M., Cressotti, F.J., & Johns–Krull, C.M. 2009, “Rotation in NGC 2362: Examining the Role of Disk-Locking at 5 Myr” in, *15th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, AIP Conf. Series, 1094, p. 361.
- Ardila, D.R. & Johns–Krull, C.M. 2009, “A Consistent Model of the Accretion Shock Region in Classical T Tauri Stars” in, *15th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, AIP Conf. Series, 1094, p. 309.
- Snik, F., Jeffers, S., Keller, C., Piskunov, N., Kochukhov, O., Valenti, J., & Johns–Krull, C. 2008, “The Upgrade of HARPS to a Full-Stokes High-resolution Spectropolarimeter” in, *Ground-based and Airborne Instrumentation for Astronomy II*, SPIE Vol. 7014, 701400.
- Prato, L., Huerta, M., Johns–Krull, C.M., Hartigan, P., & Jaffe, D.T. 2008, “Surveying the Youngest Stars for the Youngest Substellar Companions” in, *Extreme Solar Systems*, ASP Conf. Series, 398, p. 349.
- Lawler, S., Hamilton, C. M., Herbst, W., Johns–Krull, C. M., Mundt, R., Redfield, S., & Winn, J. N. 2009, “The Gas Component of the KH 15D Transition Disk”

- (abstract) in, American Astronomical Society Meeting 213, #409.08.
- Crockett, C., Mahmud, N., Huerta, M., Prato, L., Johns–Krull, C., Hartigan, P., & Jaffe, D. 2009, “Radial Velocity Survey of T Tauri Stars in Taurus-Auriga” (abstract) in, American Astronomical Society Meeting 213, #402.01.
- Johns-Krull, C. M., Greene, T. P., Doppmann, G., & Covey, K. R. 2007, “The Magnetic Field of the Class I Protostar WL 17” (abstract) in, American Astronomical Society Meeting 211, #62.17.
- Yang, H. & Johns–Krull, C. M. 2007, “The Magnetic Fields on T Tauri Stars in the Orion Nebula Cluster” (abstract) in, American Astronomical Society Meeting 211, #62.19.
- Johns–Krull, C. M., et al. 2007, “The Unusual Transiting Extra-Solar Planet Orbiting XO-3” (abstract) in, American Astronomical Society Meeting 210, #96.05.
- Lockhart, K., Johns–Krull, C. M., Stassun, K. G., & Mack, C. 2007, “Accretion of Classical T Tauri Stars in the Orion Nebula and NGC 2264” (abstract) in, American Astronomical Society Meeting 210, #87.03.
- Huerta, M., Hartigan, P., Prato, L., Johns–Krull, C. M., & Jaffe, D. 2007, “A Search for Low Mass Companions and a New Determination of Effective Temperature for T Tauri Stars” (abstract) in, American Astronomical Society Meeting 210, #36.04.
- Burke, C. J., et al. 2007, “XO-2b: A Transiting Hot Jupiter in a Metal-rich Common Proper Motion Binary” (abstract) in, American Astronomical Society Meeting 210, #33.02.
- Walkowicz, L. M., Johns–Krull, C. M., & Hawley, S. L. 2007, “Characterizing the Near-UV Environment of M Dwarfs” (abstract) in, American Astronomical Society Meeting 210, #17.05.
- Jekielek, K., Hamilton, C. M., & Johns–Krull, C. M. 2007, “Fast Rotators in NGC 2362” (abstract) in, American Astronomical Society Meeting 210, #16.08.
- Bercik, D.J., Fisher, G.H., Johns–Krull, C.M., ABBETT, W.P., & LUNDQUIST, L.L. 2006, “Are Convective Dynamos Responsible for the Minimum X-ray Fluxes Observed in the Sun and Late-Type Main Sequence Stars?” in, Solar MHD Theory and Observations: A High Spatial Resolution Perspective, ASP Conf. Series, 354, p. 127.
- Lockhart, K., Prato, L., Johns–Krull, C.M., & Rayner, J.T. 2006, “Stellar and Circumstellar Properties of Class I Protostars” (abstract) in, American Astronomical Society Meeting 209, #30.01.
- Frisch, P.C., Jenkins, E.B., Aufdenberg, J., Sofia, U.J., York, D.G., Slavin, J.D., & Johns–Krull, C.M. 2006, “Interstellar Material Towards the Nearby High Latitude Star η UMa” (abstract) in, American Astronomical Society Meeting 209, #17.21.
- Ramkumar, B. and Johns-Krull, C.M. 2005 “Variability of FUV Emission Line in Classical T Tauri Stars as a Diagnostic for Disc Accretion” (abstract) in, American

- Astronomical Society Meeting 207, #74.08.
- Lockhart, K.E., Johns–Krull, C.M., and Hamilton, C.M. 2005 “Accretion Rates for Classical T Tauri Stars in NGC 2264” (abstract) in, American Astronomical Society Meeting 207, #74.07.
- Hawks, E.L., Johns–Krull, C.M., and Hamilton, C.M. 2005 “Veiling in Orion T Tauri Stars” (abstract) in, American Astronomical Society Meeting 207, #74.05.
- Huerta, M., Prato, L., Hartigan, P., Johns–Krull, C.M., and Jaffe, D. 2005 “A Search for Low Mass Companions around T Tauri stars” (abstract) in, American Astronomical Society Meeting 207, #68.09.
- Johns–Krull, C.M. and Valenti, J.A. 2005 “Magnetic Fields and Disk Locking in T Tauri Stars” (abstract) in, American Astronomical Society Meeting 207, #74.06.
- Bercik, D.J., Fisher, G.H., Johns–Krull, C.M., and Abbett, W.P. 2005 “Turbulent Dynamos and the Minimum X-ray Flux in Solar-Type Main Sequence Stars” (abstract) in, American Geophysical Union, Spring Meeting, #SP43B-01.
- Emslie, G., Brown, J.C., Holman, G.D., Johns–Krull, C., Kontar, E.P., Massone, A.M., and Piana, M. 2005 “Comparison of Algorithms for Reconstructing Electron Spectra from Solar Flare Hard X-Ray Spectra” (abstract) in, American Geophysical Union, Spring Meeting, #SP21A-05.
- Johns–Krull, C.M. and Valenti, J.A. 2005, “Magnetic Field Measurements on T Tauri Stars: Testing Magnetospheric Accretion Theory” in, Protostars and Planets V, Proceedings of the Conference held October 24-28, 2005, in Hilton Waikoloa Village, Hawai’i. LPI Contribution No. 1286., p. 8596.
- Yang, H., Johns–Krull, C.M. and Valenti, J.A. 2005, “The Magnetic Field of TW Hydrae” in, Protostars and Planets V, Proceedings of the Conference held October 24-28, 2005, in Hilton Waikoloa Village, Hawai’i. LPI Contribution No. 1286., p.8529.
- Hamilton, C.M., Johns–Krull, C.M. Herbst, W., Mundt, R., and Bailer–Jones, C.A.L. 2005, “H-Alpha Line Profiles of KH 15D: What Do They Reveal?” in, Protostars and Planets V, Proceedings of the Conference held October 24-28, 2005, in Hilton Waikoloa Village, Hawai’i. LPI Contribution No. 1286., p.8516.
- Johns–Krull, C.M. & Anderson, J.A. 2005, “A New Parallax Measurement for the Pleiades Star Cluster” 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. 683.
- Daou, A.G., Johns–Krull, C.M., & Valenti, J.A. 2005 “Spectropolarimetry of the Classical T Tauri Star T Tau” 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. 499.
- Yang., H., Johns–Krull, C.M., & Valenti, J.A. 2005 “Measuring the Magnetic Field on

- the Classical T Tauri Star TW Hydrae” 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. 1043.
- Valenti, J.A. and Johns–Krull, C.M. 2005 “Infrared Observations of Magnetic Fields on Young Stars” in H.U. Käufel, R. Siebenmorgen, & A.F.M. Moorwood (eds.), *High Resolution Infrared Spectroscopy in Astronomy: Proceedings of an ESO Workshop*, Springer-Verlag Berlin/Heidelberg; p. 325.
- Herczeg, G.J., Linsky, J. L., Wood, B.E., Walter, F.M., Valenti, J.A., and Johns–Krull, C.M. 2004 “Molecular Hydrogen and Lyman-alpha Emission in FUV Spectra of CTTSs” (abstract) in, *American Astronomical Society Meeting 205*, #156.04.
- Osten, R.A., Hawley, S.L., Johns–Krull, C.M., Brown, A., and Allred, J. 2004 “The Quiescent Atmosphere of the dMe Flare Star EV Lacertae” (abstract) in, *American Astronomical Society Meeting 205*, #55.07.
- Bean, J.L., Sneden, C., Benedict, G.F., and Johns–Krull, C.M. 2004 “M Dwarf Metallicities: Towards a Technique” (abstract) in, *American Astronomical Society Meeting 205*, #55.04.
- Valenti, J.A. and Johns–Krull, C.M. 2004 “Surface Magnetic Fields on Cool Stars” (abstract) in, *American Astronomical Society Meeting 204*, #36.02.
- Johnson, J.A., Marcy, G.W., Hamilton, C.M., Winn, J.N., Herbst, W., and Johns–Krull, C.M. 2004 “KH 15D: Unraveling the Mystery of a Peculiar Winking Star” (abstract) in, *American Astronomical Society Meeting 204*, #06.02.
- Herczeg, G.J., Linsky, J.L., Wood, B.E., Valenti, J.A., and Johns–Krull, C.M. 2004 “The Disk and Accretion Shock of TW Hya” in, *Stars as Suns: Activity, Evolution and Planets*, IAUS 219, ASP Conf. Series, 883.
- Allred, J.C., Hawley, S.L., Johns–Krull, C.M., Fisher, G.H., Abbett, W.P., Avgoloupis, S.I., & Seiradakis, J.H. 2004 “HST, EUVE and Ground-Based Observations of Flares on AD Leo” in, *Stars as Suns: Activity, Evolution and Planets*, IAUS 219, ASP Conf. Series, 829.
- Halwey, S.L. and Johns–Krull, C.M. 2004 “Persistent Transition Region Emission in Very Low Mass Stars” in, *Stars as Suns: Activity, Evolution and Planets*, IAUS 219, ASP Conf. Series, 306.
- Osten, R.A., Hawley, S.L., Allred, J., Johns–Krull, C.M., Roark, C., Ambruster, C., Brown, A., Ayers, T.R., and Linsky, J.L. 2004 “Multi-Wavelength Observations of EV Lacertae” in, *Stars as Suns: Activity, Evolution and Planets*, IAUS 219, ASP Conf. Series, 249.
- Herczeg, G., Walter, F., Linsky, J. L., Ardila, D., Brown., A., Gahm, G., Johns–Krull, C., Lissauer, J., Simon, M., Valenti, J. A., & Wood, B. E. 2003, “RU Lupi? A UV spectroanalysis of an adolescent star” (abstract) in, *American Astronomical Society Meeting 203*, 147.08.

- Bean, J. L., Benedict, G. F., Sneden, C., Endl, M., Johns–Krull, C. M., & Henry, T. J. 2003, “Implications of M dwarf Metallicities: The Mass-Luminosity Relationship and Planetary Companions” (abstract) in, *American Astronomical Society Meeting 203*, 93.06.
- Hawley, S.L., Johns–Krull, C.M., Fisher, G.H., Abbett, W.P., Seiradakis, J.H., and Avgoloupis, S.I. 2003 “The March 2000 AD Leo Flare Campaign” in, *The Future of Cool-Star Astrophysics: 12th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, eds. A. Brown, G.M. Harper, and T.R. Ayres, (University of Colorado), p. 975.
- Valenti, J.A., Johns–Krull, C.M., and Hatzes, A.P. 2003 “Time Series Spectropolarimetry of T Tauri Stars” in, *The Future of Cool-Star Astrophysics: 12th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, eds. A. Brown, G.M. Harper, and T.R. Ayres, (University of Colorado), p. 729.
- Ardila, D.R., Basri, G., Walter, F.M., Valenti, J.A., and Johns–Krull, C.M. 2003 “Accretion Processes in T Tauri Stars: GHRs Observations” in, *The Future of Cool-Star Astrophysics: 12th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, eds. A. Brown, G.M. Harper, and T.R. Ayres, (University of Colorado), p. 723.
- Johns–Krull, C.M., Valenti, J.A., & Gafford, A.D. 2003, “Magnetic Accretion onto T Tauri Stars (**invited paper**)” in, *RMxAC*, 18, 38.
- Herczeg, G.J., Wood, B.E., Linsky, J.L., Valenti, J.A., and Johns–Krull, C.M. 2003 “Models of H₂ Fluorescence in the UV spectrum of the CTTS TW Hya” in, *Chemistry as a Diagnostic of Star Formation*, C.L. Curry & M. Fich (eds.), NRC Press, p. 193.
- Ardila, R.D. and Johns–Krull, C.M. 2003 “Line Emission from the Accretion Shock in Classical T Tauri Stars” in, *Open Issues in Local Star Formation. Contents of the CD-ROM: Poster Contributions*, J. Lepine & J. Gregorio-Hetem (eds.), Kluwer Academic Publishers, Dordrecht.
- Herczeg, G. J., Linsky, J. L., Wood, B. E., Valenti, J. A., & Johns–Krull, C. M. 2003, “Warm UV H₂ Emission from the Inner Disks of CTTSs” in, *Galactic Star Formation Across the Stellar Mass Spectrum*, ASP Conference Series, Vol. 287, p. 307.
- Johns–Krull, C.M. and Valenti, J.A. 2003, “Magnetic Fields on Pre-Main Sequence Stars” (abstract) in, *IAUS*, 219, 236.
- Valenti, J.A. and Johns–Krull, C.M. 2003, “New Magnetic Field Measurements for Active K and M Dwarfs” (abstract) in, *IAUS*, 219, 235.
- Johns–Krull, C.M. and Hawley, S.L. 2002 “Transition Region Emission From Very Low Mass Stars” (abstract) in, *American Astronomical Society Meeting 201*, #12.08.
- Osten, R.A., Hawley, S.L., Johns–Krull, C.M., Brown, A., Ayres, T.R., and Ambruster, C. 2002 “The Quiescent and Flaring Atmosphere of the dMe Flare Star EV Lacer-

- tae” (abstract) in, American Astronomical Society Meeting 201, #12.07.
- Allred, J.C., Hawley, S.L., Johns–Krull, C.M., and Fisher, G.H. 2002 “Multiwavelength Observations of Flares on AD Leo” (abstract) in, American Astronomical Society Meeting 201, #12.05.
- Johns–Krull, C.M. & Gafford, A.D. 2002 “Testing General Predictions of Magnetospheric Accretion Theories” (abstract) in, American Astronomical Society Meeting 200, #70.05.
- Allred, J.C., Hawley, S.L., Johns–Krull, C.M., & Fisher, G.H. 2002, “Multiwavelength Flares on AD Leo” (abstract) in, American Astronomical Society Meeting 200, #74.08.
- Hawley, S.L. & Johns–Krull, C.M. 2002, “Transition Region Emission Observed During a Flare on VB8” (abstract) in, American Astronomical Society Meeting 200, #74.16.
- Krucker, S., Lin, R.P., Caspi, A., Hudson, H., Schwartz, R.S., Johns–Krull, C.M., & RHESSI Team 2002, “Imaging Spectroscopy of the February 20, 2002 flare: RHESSI Observations” (abstract) in, American Astronomical Society Meeting 200, #76.07.
- Herczeg, G.J. et al. 2001, “Fluorescent H₂ in HST/STIS FUV spectra of TTSs” (abstract) in, American Astronomical Society Meeting 199, #60.06.
- Johns–Krull, C.M., Valenti, J.A., Piskunov, N.E., Saar, S.H., & Hatzes, A.P. 2001, “New Measurements of T Tauri Magnetic Fields: Testing Magnetospheric Accretion” in G. Mathys, S.K. Solanki, and D.T. Wickramasinghe (eds.), *Magnetic Fields Across the Hertzsprung–Russell Diagram*, ASP Conf. Ser., Vol. 248, p. 527.
- Kochukhov, O., Piskunov, N., Valenti, J., and Johns–Krull, C. 2001 “The Search and Modelling of Magnetic Fields on M Dwarfs” in G. Mathys, S.K. Solanki, and D.T. Wickramasinghe (eds.), *Magnetic Fields Across the Hertzsprung–Russell Diagram*, ASP Conf. Ser., Vol. 248, p. 219.
- Johns–Krull, C.M. & Valenti, J.A. 2001, “The Magnetic Field of TW Hydrae” in R. Jayawardhana & T.P. Greene (eds.), *Young Stars Near Earth: Progress and Prospects*, ASP Conf. Series 244, p. 147.
- Herczeg, G.J., Linsky, J.L., Johns–Krull, C.M., & Valenti, J.A. 2001 “Highly Excited UV H₂ emission around TW Hya” in R. Jayawardhana & T.P. Greene (eds.), *Young Stars Near Earth: Progress and Prospects*, ASP Conf. Series 244, p. 265.
- Johns–Krull, C.M., Valenti, J.A., Saar, S.H., & Hatzes, A.P. 2001, “New Measurements of Magnetic Fields on T Tauri Stars” in R.J. García López, R. Rebolo, & M.R. Zapatero Osorio (eds.), *Proceedings of 11th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, ASP Conf. Ser., Vol. 223, p. 521.
- Valenti, J.A., Johns–Krull, C.M., & Piskunov, N.E. 2001, “Using FeH to Measure Magnetic Fields on Cool Stars and Brown Dwarfs” in R.J. García López, R. Rebolo, & M.R. Zapatero Osorio (eds.), *Proceedings of 11th Cambridge Workshop on Cool*

- Stars, Stellar Systems, and the Sun, ASP Conf. Ser., Vol. 223, p. 1579.
- Kochukhov, O.P., Piskunov, N.E., Valenti, J.A., & Johns–Krull, C.M. 2001, “The Search and Modeling of Magnetic Fields on M Dwarfs” in R.J. García López, R. Rebolo, & M.R. Zapatero Osorio (eds.), Proceedings of 11th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ASP Conf. Ser., Vol. 223, p. 985.
- Hatzes, A.P. & Johns–Krull, C.M. 2001, “Doppler Imaging of the Naked T Tauri Star V830 Tau” in R.J. García López, R. Rebolo, & M.R. Zapatero Osorio (eds.), Proceedings of 11th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ASP Conf. Ser., Vol. 223, p. 1244.
- Sallmen, S., Johns–Krull, C.M., Welsh, B., and Griffiths, N. 2000 “FUSE Observations of T Tauri Stars: Separating Accretion and Activity” (abstract) in, American Astronomical Society Meeting 197, #47.08.
- Johns–Krull, C.M., Fisher, G.H., Varsik, J., & Marquette, W. 2000, “H α Linear Polarization Observations of Solar Flares: The Search for Proton Beams” (abstract) in, AAS SPD, 31.0254.
- Linsky, J.L., Valenti, J., & Johns–Krull, C.M. 1999, “The Amazing High Resolution Ultraviolet Spectrum of DF Tauri” (abstract) in, American Astronomical Society Meeting 195, #02.14.
- Frisch, P.C., Jenkins, E.B., Welty, D.E., and Johns–Krull, C.M. 1999 “Interstellar Material towards eta UMa” (abstract) in, American Astronomical Society Meeting 194, #71.24.
- Lin, R.P. et al. 1998 “High-Energy Solar Spectroscopic Imager (HESSI) Small Explorer mission for the next (2000) solar maximum” in, Proc. SPIE Vol. 3442, p. 2.
- Ayres, T.R., Valenti, J.A., Hinkle, K.H., Johns–Krull, C.M., & Wiedemann, G.R. 1998, “PHOENIX IR Spectra of CO in the Sun and the Stars” (abstract) in, American Astronomical Society Meeting 192, #67.09.
- Linsky, J.L., Valenti, J.A., and Johns–Krull, C.M. 1998 “An Atlas of IUE Far Ultraviolet Spectra of T Tauri and Herbig Ae/be Stars” in, Ultraviolet Astrophysics Beyond the IUE Final Archive, W. Wamsteker, R. Gonzalez Riestra, and B. Harris (eds.), ESA SP-413; p. 125.
- Johns–Krull, C.M. 1998, “Wind and Accretion Variability in T Tauri Stars” (**invited paper**) in L. Kaper & A.W. Fullerton (eds.), Cyclical Variability in Stellar Winds, (Berlin: Springer-Verlag), p. 153.
- Unruh, Y.C. et al. 1998 “MUSICOS Observations of SU AUR” in R.A. Donahue & J.A. Bookbinder (eds.), Proceedings of 10th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ASP Conf. Ser. 154, p. 2064.
- Johns–Krull, C.M., Valenti, J.A., & Linsky, J.L. 1998, “A Short Wavelength IUE Atlas of Pre-Main-Sequence Stars” in R.A. Donahue & J.A. Bookbinder (eds.), Proceedings of 10th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun,

ASP Conf. Ser. 154, p. 1724.

- Valenti, J.A., Johns–Krull, C.M., & Piskunov, N. 1998, “Observational Constraints on the Dynamo in Flare Stars” in R.A. Donahue & J.A. Bookbinder (eds.), Proceedings of 10th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ASP Conf. Ser. 154, p. 1357.
- Gagné, M., Valenti, J.A., Johns–Krull, C.M., Linsky, J.L., Brown, A., & Güdel, M. 1998, “Coordinated VLA, Optical, EUVE, and RXTE Monitoring of Flares on EQ Pegasi and AU Microscopii” in R.A. Donahue & J.A. Bookbinder (eds.), Proceedings of 10th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ASP Conf. Ser. 154, p. 1484.
- Johns–Krull, C.M., Valenti, J.A., & Koresko, C.D. 1997, “Measuring Magnetic Fields on T Tauri Stars” (abstract) in, EOS: Trans. Amer. Geoph. Union, 78, F539.
- Linsky, J.L., Valenti, J., & Johns–Krull, C.M. 1997, “An Atlas of IUE Far Ultraviolet Spectra of T Tauri and Herbig Ae/Be Stars” (abstract) in, Bulletin of Amer. Astron. Soc., 29, 832.
- Valenti, J.A., Johns–Krull, C.M., Saar, S., Hinkle, K., & Joyce, D. 1996, “Phoenix (IR) and Optical Observations of Magnetic Fields on M Dwarfs” (abstract) in, Bulletin of Amer. Astron. Soc., 28, 1377.
- Valenti, J.A., Johns–Krull, C.M., and Piskunov, N. 1996, “M–Dwarfs: Molecules and Magnetic Fields” (abstract) in, Bulletin of Amer. Astron. Soc., 28, 867.
- Stassun, K., Mathieu, R.D., Basri, G., Johns–Krull, C.M., Valenti, J.A., Jensen, E.L.N., & Hartmann, L.W. 1996, “The T Tauri Double-Lined Spectroscopic Binary DQ Tau” (abstract) in, Bulletin of Amer. Astron. Soc., 28, 884.
- Lin, R.P. and Johns–Krull, C.M. 1996, “Inferring the Accelerated Electron Spectrum in Solar Flares” in R. Ramaty (ed.), Proceedings of Workshop on High Energy Solar Physics, (AIP Press: New York), p 320.
- Johns–Krull, C.M. and Valenti, J.A. 1996, “Detection of Strong Magnetic Fields on M Dwarfs” in R. Pallavicini & A.K. Dupree (eds.), Ninth Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ASP Conference Series, 109, 609.
- Johns–Krull, C.M. and Basri, G. 1996, “Spectroscopic Variability of the T Tauri Star DF Tau” in R. Pallavicini & A.K. Dupree (eds.), Ninth Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ASP Conference Series, 109, 431.
- Johns–Krull, C.M. and Valenti, J. 1995, “Detection of Strong Magnetic Fields on M Dwarfs” (abstract) in, Bulletin of Amer. Astron. Soc., 27, 1431.
- Johns–Krull, C.M. 1995, “Limits on the Surface Differential Rotation of Rapidly Rotating Stars and Implications for Polar Spots” in K.G. Strassmeier (ed.), Stellar Surface Structure, IAU Symp. 176 Poster Proceedings, 57.
- Johns, C.M. 1994, “Limits on the Differential Rotation of T Tauri Stars” (abstract) in, Bulletin of Amer. Astron. Soc., 26, 1387.

- Najita, J., Ostriker, E., Wilkin, F., Johns, C.M., and Carr, J. 1994, "The Interaction Between Stars and Disks: Winds, Funnel Flows, and More" in D. Clemens and R. Barvainis (eds.), *Clouds, Cores, and Low Mass Stars: The Fourth Haystack Observatory Conf.*, ASP Conference Series 65, 325.
- Johns, C.M., Lin, R.P., and Schwartz, R.A. 1994, "Accelerated Electrons in Solar Flares From BATSE Hard X-ray Spectra" (abstract) in, *EOS: Trans. Amer. Geoph. Union*, 75, 295.
- Basri, G., Hawley, S.L., and Johns, C.M. 1993, "Hamilton Echelle Spectroscopy of Solar Flares" in F.J. Ryerson and C.M. Budwine (eds.), *IGPP LLNL Annual Report*, University of California, p. 116.
- Johns, C.M. and Basri, G. 1994, "A Search for Periodicities in Balmer Line Profiles of 6 T Tauri Stars" in, *Eighth Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, ASP Conference Series 64, 190.
- Johns, C.M. and Basri, G. 1993, "Periodicities in T Tauri Star Line Profiles" (abstract) in, *Bulletin of Amer. Astron. Soc.*, 25, 1351.
- Johns, C.M., Basri, G.S., and Hawley, S.L. 1993, "Echelle Spectra of the 6 March 1993 Solar Flare" (abstract) in, *Bulletin of Amer. Astron. Soc.*, 25, 1 189.
- Spinrad, H., Brown, M.E., and Johns, C.M. 1993, "Kinematics of the Ion Tail of Comet P/Swift-Tuttle" (abstract) in, *Bulletin of Amer. Astron. Soc.*, 25, 1051.
- Brown, M.E., Spinrad, H., and Johns, C.M. 1993, "A Cheap Cometary Mission: Ground Based Measurement of Plasma Velocities and Temperatures in Comet P/Swift-Tuttle" (abstract) in, *Bulletin of Amer. Astron. Soc.*, 25, 816.
- Cully, S.L., Siegmund, O.H.W., Fisher, G.H., Johns, C.M., Hawley, S.L., and Simon, T. 1993, "EUVE Deep Survey Observations of a Flare on AD Leo" (abstract) in, *Bulletin of Amer. Astron. Soc.*, 25, 860.
- Hawley, S.L., Deustua, S.E., Cully, S.L., Fisher, G.H., Johns, C.M., Simon, T., Smith, V.V., and Spiesman, W.J. 1993, "Simultaneous Optical and EUVE Observations of a Flare on AD Leo" (abstract) in, *Bulletin of Amer. Astron. Soc.*, 25, 856.
- Johns, C.M. and Basri, G.S. 1993, "High Resolution Spectral Variability of SU Aur" (abstract) in, *Bulletin of Amer. Astron. Soc.*, 25, 904.
- Johns, C.M. and Lin, R.P. 1992, "Accelerated Electrons in the 27 June 1980 Solar Flare" (abstract) in, *Bulletin of Amer. Astron. Soc.*, 24, 778.
- Johns, C.M., Basri, G., Giampapa, M., and DeFonso, E. 1992, "Synoptic Studies of the T Tauri Star SU Aur" in M.S. Giampapa and J.A. Bookbinder (eds.), *Seventh Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, ASP Conference Series 26, 441.
- Johns, C.M. and Lin, R.P. 1991, "The Derivation of Parent Electron Spectra from Bremsstrahlung Hard X-ray Spectra" (abstract) in, *Bulletin of Amer. Astron. Soc.*, 23, 1044.

- Johns, C.M., Eanes, R.J., and Tapley, B.D. 1989, "Recent Work on the Latitude Structure of the Atmospheric 40-60 Day Oscillation" (abstract) in, EOS: Trans. Amer. Geoph. Union, 70, 1055.
- Johns, C.M., Dickey, J.O., Eubanks, T.M., and Steppe, J.A. 1987, "The Role of the Antarctic Circumpolar Current in the Earth's Angular Momentum Budget" (abstract) in, EOS: Trans. Amer. Geoph. Union, 68, 1244.