

Refereed Publications

As of 18 July, 2008, I have published 60 refereed papers (16 as first author), plus three in press and two submitted.

Sargent, B.A., Forrest, W.J., Tayrien, C., McClure, M.K., Li, A., Basu, A.R., Manoj, P., Watson, D.M., Bohac, C.J., Furlan, E., Kim, K.H., Green, J.D., & **Sloan, G.C.** 2008, "Silica in protoplanetary disks," *ApJ*, submitted.

Watson, D.M., Leisenring, J.M., Furlan, E., Bohac, C.J., Sargent, B., Forrest, W.J., Calvet, N., Hartmann, L., Nordhaus, G.T., Green, J.D., Kim, K.H., **Sloan, G.C.**, Chen, C.H., Keller, L.D., d'Alessio, P., Najita, J., Uchida, K.I., & Houck, J.R. 2008, "Crystalline silicates and dust processing in the protoplanetary disks of the Taurus young cluster," *ApJ Supplement*, submitted.

Sloan, G.C., Kraemer, K.E., Wood, P.R., Zijlstra, A.A., Bernard-Salas, J., Devost, D., & Houck, J.R. 2008, "The Magellanic zoo: Mid-infrared *Spitzer* spectroscopy of evolved stars and circumstellar dust in the Magellanic Clouds," *ApJ*, **686**, in press.

van Loon, J.Th., Cohen, M., Oliveira, J.M., Matsuura, M., McDonald, I., **Sloan, G.C.**, Wood, P.R., & Zijlstra, A.A. 2008, "Molecules and dust production in the Magellanic Clouds," *MNRAS*, in press.

Keller, L.D., **Sloan, G.C.**, Forrest, W.J., D'Alessio, P., Ayala, S., Shah, S., Calvet, N., Hartmann, L., Najita, J., Sargent, B., Li, A., Watson, D.M., & Chen, C.H. 2008, "PAH emission from Herbig Ae/Be stars," *ApJ*, **683**, in press.

Leisenring, J.M., Markwick-Kemper, F., & **Sloan, G.C.** 2008, "Effects of metallicity on the chemical composition of carbon stars," *ApJ*, **681**, 1557. Citations: none yet.

Gutenkunst, S., Bernard-Salas, J., Pottasch, S.R., **Sloan, G.C.**, & Houck, J.R. 2008, "Chemical abundances and dust in planetary nebulae in the Galactic Bulge," *ApJ*, **680**, 1206. Citations: 1.

Matsuura, M., Zijlstra, A.A., Bernard-Salas, J., Menzies, J.W., **Sloan, G.C.**, Whitelock, P.A., Wood, P.R., Cioni, M.-R.L., Feast, M.W., Lagadec, E., van Loon, J.Th., Groenewegen, M.A.T., & Harris, G.J. 2007, "*Spitzer Space Telescope* spectral observations of AGB stars in the Fornax dwarf spheroidal galaxy," *MNRAS*, **382**, 1889. Citations: 5.

Sloan, G.C., Jura, M., Duley, W.W., Kraemer, K.E., Bernard-Salas, J., Forrest, W.J., Sargent, B., Li, A., Barry, D.J., Bohac, C.J., Watson, D.M., & Houck, J.R. 2007, "The unusual hydrocarbon emission from the early carbon star HD 100764: The connection between aromatics and aliphatics," *ApJ*, **664**, 1144. Citations: 8.

Mainzer, A.K., Roellig, T.L., Marley, M.S., Saumon, D., Cushing, M.C., **Sloan, G.C.**, Kirkpatrick, J.D., Leggett, S.K., & Wilson, J.C. 2007, "Moderate resolution *Spitzer* Infrared Spectrograph (IRS) observations of M, L, and T dwarfs," *ApJ*, **662**, 1245. Citations: 3.

Refereed Publications (continued)

- Lagadec, E., Zijlstra, A.A., **Sloan, G.C.**, Matsuura, M., Wood, P., Harris, G.J., van Loon, J.Th., Blommaert, J.A.D.L., Hony, S., Groenewegen, M.A.T., Feast, M.W., Whitelock, P.A., Menzies, J.W., Cioni, M.-R., Habing, H., & Waters, L.B.F.M. 2007, “*Spitzer* mid-infrared spectra of AGB stars in the Small Magellanic Cloud,” *MNRAS*, **376**, 1270. Citations: 10.
- Groenewegen, M.A.T., Wood, P.R., **Sloan, G.C.**, Blommaert, J.A.D.L., Cioni, M.-R.L., Feast, M.W., Hony, S., Matsuura, M., Menzies, J.W., Olivier, E.A., Vanhollebeke, E., van Loon, J.Th., Whitelock, P.A. Zijlstra, A.A., Habing, H.J., Lagadec, E., Loup, C., & Waters, L.B.F.M. 2007, “Luminosities and mass-loss rates of carbon stars in the Magellanic Clouds,” *MNRAS*, **376**, 313. Citations: 10.
- Armus, L., Charmandaris, V., Bernard-Salas, J., Spoon, H.W.W., Marshall, J.A., Higdon, S.J.H., Desai, V., Teplitz, H.I., Hao, L., Devost, D., Brandl, B.R., Wu, Y., **Sloan, G.C.**, Soifer, B.T., Houck, J.R., & Herter, T.L. 2007, “Observations of ultraluminous infrared galaxies with the Infrared Spectrograph on the *Spitzer Space Telescope* II: The IRAS bright galaxy sample,” *ApJ*, **656**, 148. Citations: 60.
- Brandl, B.R., Bernard-Salas, J., Spoon, H.W.W., Devost, D., **Sloan, G.C.**, Guilles, S., Wu, Y., Marshall, J.A., Armus, L., Weedman, D.W., Charmandaris, V., Appleton, P., Soifer, B.T., Hao, L., Higdon, S.J., Herter, T.L., & Houck, J.R. 2006, “The mid-IR properties of starburst galaxies from *Spitzer*-IRS spectroscopy,” *ApJ*, **653**, 1129. Citations: 61.
- Bernard-Salas, J., Peeters, E., **Sloan, G.C.**, Cami, J., Guiles, S. & Houck, J.R. 2006, “The *Spitzer*-IRS spectrum of SMP LMC 11,” *ApJ Letters*, **652**, L29. Citations: 9.
- Kraemer, K.E., **Sloan, G.C.**, Bernard-Salas, J., Price, S.D., Egan, M.P., & Wood, P.R. 2006, “A post-AGB star in the Small Magellanic Cloud observed with the *Spitzer* Infrared Spectrograph,” *ApJ Letters*, **652**, L25. Citations: 10.
- Chen, C.H., Sargent, B.A., Bohac, C., Kim, K.H., Leibensperger, E., Jura, M., Najita, J., Forrest, W.J., Watson, D.M., **Sloan, G.C.**, & Keller, L.D. 2006, “*Spitzer* IRS spectroscopy of IRAS discovered debris disks,” *ApJ Supplement*, **166**, 351. Citations: 46.
- Cushing, M.C., Roellig, T.L., Marley, M.S., Saumon, D., Leggett, S.K., Kirkpatrick, J.D., Wilson, J.C., **Sloan, G.C.**, Mainzer, A.K, Van Cleve, J.E., & Houck, J.R. 2006, “A *Spitzer* Infrared Spectrograph (IRS) spectral sequence of M, L, and T dwarfs,” *ApJ*, **648**, 614. Citations: 32.
- Matsuura, M., Wood, P.R., **Sloan, G.C.**, Zijlstra, A.A., van Loon, J.Th., Groenewegen, M.A.T., Blommaert, J., Cioni, M.-R., Feast, M.W., Habing, H., Hony, S., Lagadec, E., Loup, C., Menzies, J., Waters, L.B.F.M., & Whitelock, P.A., 2006, “*Spitzer* observations of acetylene bands in carbon-rich AGB stars in the Large Magellanic Cloud,” *MNRAS*, **371**, 415. Citations: 11.
- Zijlstra, A.A., Matsuura, M., Wood, P.R., **Sloan, G.C.**, Lagadec, E., van Loon, J.Th., Groenewegen, M.A.T., Feast, M.W., Menzies, J.W., Whitelock, P.A., Blommaert, J., Cioni, M.-R., Habing, H., Hony, S., Loup, C., & Waters, L.B.F.M. 2006, “A *Spitzer* mid-infrared spectral survey of mass-losing carbon stars in the Large Magellanic Cloud,” *MNRAS*, **370**, 1961. Citations: 20.

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- Sloan, G.C.**, Kraemer, K.E., Matsuura, M., Wood, P.R., Price, S.D., & Egan, M.P. 2006, “Mid-infrared spectroscopy of carbon stars in the Small Magellanic Cloud,” *ApJ*, **645**, 1118. Citations: 17.
- Sargent, B., Forrest, W.J., Najita, J., Li, A., D’Alessio, P., Calvet, N., Furlan, E., Green, J.D., Kim, K.H., Watson, D.M., **Sloan, G.C.**, Uchida, K.I., Markwick-Kemper, F., Chen, C.H., Hartmann, L., Keller, L.D., Herter, T.L., Brandl, B.R., Houck, J.R., Barry, D.J., Hall, P., Morris, P.W., & Myers, P.C. 2006, “Dust processing in disks around T-Tauri type stars,” *ApJ*, **645**, 395. Citations: 19.
- Spoon, H.W.W., Tielens, A.G.G.M., Armus, L., **Sloan, G.C.**, Sargent, B., Cami, J., Charmandaris, V., Houck, J.R., & Soifer, B.T. 2006, “The detection of crystalline silicates in ultra-luminous infrared galaxies,” *ApJ*, **638**, 759. Citations: 28.
- Sloan, G.C.**, Devost, D., Bernard-Salas, J., Wood, P.R., & Houck, J.R. 2006, “The unusual silicate dust around HV 2310, an evolved star in the Large Magellanic Cloud,” *ApJ*, **638**, 472. Citations: 3.
- Jura, M., Bohac, C.J., Sargent, B., Forrest, W.J., Green, J., Watson, D.M., **Sloan, G.C.**, Marckwick-Kemper, F., Chen, C.H., & Najita, J. 2006, “Polycyclic aromatic hydrocarbons orbiting HD 233517, an evolved oxygen-rich giant,” *ApJ Letters*, **637**, L45. Citations: 8.
- van Loon, J.Th., Oliveira, J.M., Wood, P.R., Zijlstra, A.A., **Sloan, G.C.**, Matsuura, M., Whitelock, P.A., Groenewegen, M.A.T., Bloemmaert, J.A.D.L., Cioni, M.-R.L., Hony, S., Loup, C., & Waters, L.B.F.M. 2005, “ESO-VLT and *Spitzer* spectroscopy of IRAS 05328-6827: A massive protostar in the Large Magellanic Cloud,” *MNRAS*, **364**, 71. Citations: 5.
- Sloan, G.C.**, Keller, L.D., Leibensperger, E., Forrest, W.J., Li, A., Najita, J., Watson, D.M., Chen, C.H., Green, J.D., Kemper, F., Hartmann, L., Herter, T.L., Calvet, N., D’Alessio, P., Furlan, E., Sargent, B., Morris, P.W., Barry, D.J., Hall, P., Brandl, B.R., Myers, P.C., & Houck, J.R. 2005, “Mid-infrared spectra of PAH emission in Herbig AeBe stars,” *ApJ*, **632**, 956. Citations: 21.
- Kraemer, K.E., **Sloan, G.C.**, Wood, P.R., Price, S.D., & Egan, M.P. 2005, “R CrB candidates in the Small Magellanic Cloud: Observations of cold, featureless dust with the *Spitzer* Infrared Spectrograph,” *ApJ Letters*, **631**, L147. Citations: 10.
- Hartmann, L., Calvet, N., Watson, D.M., D’Alessio, P., Furlan, E., Sargent, B., Forrest, W.J., Uchida, K.I., Green, J.D., **Sloan, G.C.**, Chen, C.H., Najita, J., Markwick-Kemper, F., Herter, T.L., Morris, P., Barry, D.J., & Hall, P. 2005, “The accretion disk of the lithium-depleted young binary St 34,” *ApJ Letters*, **628**, L147. Citations: 8.
- Hao, L., Spoon, H.W.W., **Sloan, G.C.**, Marshall, J.A., Armus, L., Tielens, A.G.G.M., Sargent, B., van Bemmell, I.M., Charmandaris, V., Weedman, D.W., & Houck, J.R. 2005, “The detection of silicate emission from quasars at 10 and 18 microns,” *ApJ Letters*, **625**, L75. Citations: 61.
- Furlan, E., Calvet, N., D’Alessio P., Hartmann, L., Forrest, W.J., Watson, D.M., Luhman, K.L., Uchida, K.I., Green, J.D., Green, Sargent, B., Najita, J., **Sloan, G.C.**, Keller, L.D., & Herter, T.L. 2005, “*Spitzer* IRS spectra of young stars near the hydrogen burning mass limit,” *ApJ Letters*, **621**, L129. Citations: 14.

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- D'Alessio, P., Hartmann, L., Calvet, N., Franco-Hernandez, R., Forrest, W.J., Sargent, B., Furlan, E., Uchida, K., Green, J.D., Watson, D.M., Chen, C.H., Kemper, F., **Sloan, G.C.**, & Najita, J., 2005, "The truncated disk of CoKu Tau/4," *ApJ*, **621**, 461. Citations: 69.
- Higdon, S.J.U., Devost, D., Higdon, J.L., Brandl, B.R., Houck, J.R., Hall, P., Barry, D., Charmandaris, V., Smith, J.D.T., **Sloan, G.C.**, & Green, J. 2004, "The SMART data analysis package for the Infrared Spectrograph on the *Spitzer Space Telescope*," *PASP*, **116**, 975. Citations: 157.
- Sloan, G.C.**, Charmandaris, V., Fajardo-Acosta, S.B., Shupe, D.L., Morris, P.W., Su, K.Y.L., Hines, D.C., Rho, J., & Engelbracht, C.W. 2004, "The serendipitous discovery of a debris disk around the A dwarf HD 46190," *ApJ Letters*, **614**, L77. Citations: 6.
- Jura, M., Chen, C.H., Furlan, E., Green, J., Sargent, B., Forrest, W.J., Watson, D.M., Barry, D.J., Hall, P., Herter, T.L., Houck, J.R., **Sloan, G.C.**, Uchida, K., D'Alessio, P., Calvet, N., Hartmann, L., & Myers, P.C. 2004, "Mid-infrared spectra of dust debris around main-sequence stars," *ApJ Supplement*, **154**, 453. Citations: 23.
- Forrest, W.J., Sargent, B., Furlan, E., D'Alessio, P., Calvet, N., Hartmann, L., Uchida, K.I., Green, J.D., Watson, D.M., Chen, C.H., Kemper, F., Keller, L.D., **Sloan, G.C.**, Herter, T.L., Brandl, B.R., Houck, J.R., Barry, D.J., Hall, P., Morris, P.W., Najita, J., & Myers, P.C. 2004, "Mid-infrared spectroscopy of disks around classical T Tauri stars," *ApJ Supplement*, **154**, 443. Citations: 62.
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- Roellig, T.L., Van Cleve, J.E., **Sloan, G.C.**, Wilson, J.C., Saumon, D., Leggett, S.K., Marley, M.S., Cushing, C., Kirkpatrick, J.D., Mainzer, A.K., & Houck, J.R. 2004, "*Spitzer* Infrared Spectrograph (IRS) Observations of M, L, and T dwarfs," *ApJS*, **154**, 418. Citations: 32.
- Watson, D.M., Kemper, F., Calvet, N., Keller L.D., Furlan, E., Hartmann, L., Forrest, W.J., Chen, C.H., Uchida, K.I., Green, J.D., Sargent, B., **Sloan, G.C.**, Herter, T.L., Brandl, B.R., Houck, J.R., Najita, J., D'Alessio, P., Myers, P.C., Barry, D.J., Hall, P., & Morris, P.W., 2004, "Mid-infrared spectra of Class I protostars in Taurus," *ApJ Supplement*, **154**, 391. Citations: 25.
- Bernard-Salas, J., Houck, J.R., Morris, P.W., **Sloan, G.C.**, Pottasch, S.R., & Barry, D.J. 2004, "*Spitzer* Infrared Spectrograph (IRS) observations of Large Magellanic Cloud planetary nebula SMP 83," *ApJ Supplement*, **154**, 271. Citations: 7.
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- Armus, L., Charmandaris, V., Spoon, H.W.W., Houck, J.R., Soifer, B.T., Brandl, B.R., Appleton, P.N., Teplitz, H.I., Higdon, S.J.U., Weedman, D.W., Devost, D., Morris, P.W., Uchida, K.I., van Cleve, J., Barry, D.J., **Sloan, G.C.**, Grillmair, C.J., Burdorf, M.J., Fajardo-Acosta, S.B., Ingalls, J.G., Higdon, J., Hao, L., Bernard-Salas, J., Herter, T., Troeltzsch, J., Unruh, B., & Winghart, M. 2004, "Observations of ultraluminous infrared galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early results on Markarian 1014, Markarian 463, and UGC 5101," *ApJ Supplement*, **154**, 178. Citations: 75.
- Houck, J.R., Roellig, T.L., van Cleve, J., Forrest, W.J., Herter, T., Lawrence, C.R., Matthews, K., Reitsema, H.J., Soifer, B.T., Watson, D.M., Weedman, D., Huisjen, M., Troeltzsch, J., Barry, D.J., Bernard-Salas, J., Blacken, C.E., Brandl, B.R., Charmandaris, V., Devost, D., Gull, G.E., Hall, P., Henderson, C.P., Higdon, S.J.U., Pirger, B.E., Schoenwald, J. **Sloan, G.C.**, Uchida, K.I., Appleton, P.N., Armus, L., Burgdorf, M.J., Fajardo-Acosta, S.B., Grillmair, C.J., Ingalls, J.G., Morris, P.W., & Teplitz H.I. 2004, "The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*," *ApJ Supplement*, **154**, 18. Citations: 368.
- Sloan, G.C.**, Kraemer, K.E., Goebel, J.H., & Price, S.D. 2003, "Guilt by association: The 13 μm dust emission feature and its correlation to other gas and dust features," *ApJ*, **594**, 483. Citations: 17.
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- Egan, M.P. & **Sloan, G.C.** 2001, "The physical basis for the silicate dust sequence," *ApJ*, **558**, 165. Citations: 12.
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- Sloan, G.C.**, Hayward, T.L., Allamandola, L.J., Bregman, J.D., Devito, B., & Hudgins, D.M. 1999, "Direct spectroscopic evidence for ionized PAHs in the interstellar medium," *ApJ Letters*, **513**, L65. Citations: 17.
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- Sloan, G.C.**, Bregman, J.D., Geballe, T.R., Allamandola, L.J., & Woodward, C.E. 1997, "Variations in the 3 μm spectrum across the Orion Bar: PAHs and related molecules," *ApJ*, **474**, 735. Citations: 23.
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- Sloan, G.C.**, LeVan, P.D., & Little-Marenin, I.R. 1996, "Sources of the 13 μm emission feature associated with oxygen-rich circumstellar dust," *ApJ*, **463**, 310. Citations: 38.
- Hickman, M.A., **Sloan, G.C.**, & Canterna, R. 1995, "An infrared color-magnitude relationship," *AJ*, **110**, 2910. Citations: 9.
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- LeVan, P.D. & **Sloan, G.** 1989, "Ten-micron observations of bright circumstellar shells—spectral properties and a search for extended emission," *PASP*, **101**, 1140. Citations: 4.
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Unrefereed Publications

- Sloan, G.C.** 2008, "*Spitzer* spectroscopy of unusual hydrocarbons in cool radiative environments," in *IAU Symp. 251: Organic Matter in Space*, ed. S. Kwok and S.A. Sandford, in press.
- Sloan, G.C.**, Zijlstra, A.A., Kraemer, K.E., Markwick-Kemper, F., & Leisenring, J.M. 2008, "*Spitzer* spectroscopy of the Magellanic Clouds," in *The Biggest, Baddest, Coolest Stars*, ed. D. Luttermoser, B.J. Smith, & R.E. Stencel, *ASP Conf. Series*, in press.

Unrefereed Publications (continued)

- Sloan, G.C.** 2008, “Dust production in metal-poor Local Group galaxies,” in *The Evolving ISM in the Milky Way and Nearby Galaxies*, ed. K. Sheth & A. Noriego-Crespa, in press.
- Matsuura, M., **Sloan, G.C.**, Zijlstra, A.A., Wood, P.R., Harris, J.G., Bernard-Salas, J., van Loon, J.Th., Whitelock, P.A., Menzies, J.W. 2007, “Infrared molecular bands of carbon-rich stars in nearby galaxies,” in *Why Galaxies Care About AGB Stars: Their Importance as Actors and Probes*, ed. F. Kerschbaum, C. Charbonnel, & R.F. Wing, *ASP Conf. Series*, **378**, 450 (San Francisco: ASP).
- Wood, P., Groenewegen, M.A.T., **Sloan, G.C.**, Blommaert, J.A.D.L., Cioni, M.-R.L., Feast, M.W., Habing, H.J., Hony, S., Lagadec, E., Loup, C., Matsuura, M., Menzies, J.W., Olivier, E.A., Vanhollebeke, E., van Loon, J.Th., Waters, L.B.F.M., Whitelock, P.A., & Zijlstra, A.A. 2007, “Quantitative results on AGB mass-loss rates,” in *Why Galaxies Care About AGB Stars: Their Importance as Actors and Probes*, ed. F. Kerschbaum, C. Charbonnel, & R.F. Wing, *ASP Conf. Series*, **378**, 251 (San Francisco: ASP).
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Colloquia, Seminars, and Presentations

Harvard-Smithsonian Center for Astrophysics, seminar, 22 May, 2008, “Dust production in primitive systems: The view from the *Spitzer Space Telescope*.”

Virginia Tech, seminar, 14 April, 2008, “Studying the enrichment of the Magellanic Clouds with the *Spitzer Space Telescope*.”

Cornell Univ., seminar, 4 April, 2008, “What do interstellar organics really look like?”

Royal Astronomical Society, presentation at a specialist discussion meeting, 8 February, 2008, “Distinguishing high-mass evolved stars in the Magellanic Clouds.”

Keele Univ., department colloquium, 6 February, 2008, “Interstellar organics: The view from the *Spitzer Space Telescope*.”

Univ. of Missouri, seminar, 16 October, 2007, “*Spitzer* spectroscopy of dust production in Local Group galaxies with primordial dust abundances.”

Univ. of Missouri, department colloquium, 15 October, 2007, “Hydrocarbons in the interstellar medium: The view from the *Spitzer Space Telescope*.”

Cornell Univ., seminar, 28 September, 2007, “Rebel galaxies next door: Dust in dwarfs and irregulars in the Local Group.”

NASA/Ames Research Center, seminar, 13 June, 2007, “*Spitzer* spectroscopy of unusual hydrocarbons in cool environments.”

Ithaca College, department colloquium, 16 March, 2007, “Organics in space: The view from the *Spitzer Space Telescope*.”

Colloquia, Seminars, and Presentations (continued)

- Cornell Univ., department colloquium, 23 February, 2006, “Dust formation in the Magellanic Clouds.”
- Leiden Univ., Workshop on *Spitzer’s* View on Mass-Losing AGB Stars, 28 November, 2005, “Infrared Spectra of Oxygen-rich Dust Shells around Evolved Stars in the Magellanic Clouds.”
- Rochester Institute of Technology, department colloquium, 24 October, 2005, “Infrared spectroscopy of mass ejected from evolved stars in the Magellanic Clouds.”
- Northwestern Univ, seminar, 22 September, 2005, “Infrared spectroscopy of mass ejected from evolved stars in the Magellanic Clouds.”
- Univ. of Manchester, seminar, 29 April, 2005, “Infrared spectra of circumstellar silicates and related grains.”
- The *Spitzer Space Telescope: New Views of the Cosmos*, poster, 9 November, 2004, “Infrared spectra of oxygen-rich dust shells around evolved stars in the Magellanic Clouds.”
- Spitzer* Calibration Workshop, 8 November, 2004, “Infrared spectrophotometric calibration.”
- Cornell Univ., seminar, 1 May, 2003, “Studies of infrared spectra from circumstellar dust.”
- Harvard-Smithsonian Center for Astrophysics, seminar, 16 May, 2001, “The nature of organic molecules in the interstellar medium.”
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- Australian Defence Force Academy, seminar, 12 September, 1997, “Emission from organic molecules in NGC 1333: Evidence for ionized PAHs.”
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Australian Defence Force Academy, department seminar, 23 August, 1996, “Probing interstellar organics in the Orion Bar.”

Anglo-Australian Observatory, seminar, 15 August, 1996, “A menagerie of dust shell spectra.”

Univ. of New South Wales, seminar, 25 July, 1996, “The Orion Bar: The place to get your organic brew.”

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Air Force Phillips Laboratory/Geophysics Directorate, seminar, May 1996, “Long-slit spectra of the Orion Bar at 3 μm .”

NASA/Ames Research Center, seminar, March, 1996, “Long-slit spectra of the Orion Bar at 3 μm .”

Virginia Tech, seminar, 8 December, 1995, “Studying the PAH emission in the Orion Bar.”

Virginia Tech, seminar, 4 December, 1995, “Circumstellar dust on the asymptotic giant branch.”

Joint Astronomy Centre, seminar, 26 October, 1995, “PAH emission in extended sources”

NASA/Ames Research Center, seminar, 15 September, 1994, “The spatial structure of IRC +10216 as seen by a long-slit infrared spectrometer.”

Denver Univ., department colloquium, 24 May, 1994, “The evolution of dust shells around evolved giants.”

Univ. of Wyoming, seminar, 23 May, 1994, “The evolution of dust shells around evolved giants.”

Univ. of Idaho, department colloquium, 14 April, 1994, “The evolution of dust shells around evolved giants.”

Washington State Univ., seminar, 13 April 1994, “The structure of the dust shell around IRC +10216.”

Denver Univ., seminar, 5 November, 1993, “The structure of the dust shell around IRC +10216.”