

Refereed Publications

As of 29 June, 2009, I have published 72 refereed papers (19 as first author), plus one in press and four submitted.

Hony, S., Kemper, F., Woods, P.M., van Loon, J.Th., Gorjian, V., Madden, S., Zijlstra, A.A., Gordon, K.D., Indebetouw, R., Marengo, M., Meixner, M., Shiao, B., **Sloan, G.C.**, & Tielens, A.G.G.M. 2009 “The discovery of a galaxy exhibiting exceptionally strong silicate emission,” *ApJ*, submitted.

Groenewegen, M.A.T., **Sloan, G.C.**, Soszynski, I., & Petersen, E.A. 2009, “Luminosities and mass-loss rates of SMC and LMC AGB stars and red supergiants,” *A&A*, submitted.

Bernard-Salas, J., Spoon, H.W.W., Charmandaris, V., Lebouteiller, V., Farrah, D., Devost, D., Brandl, B.R., Wu, Y., Armus, L., Hao, L., **Sloan, G.C.**, Weedman, D., & Houck, J.R. 2009, “A *Spitzer* high resolution mid-infrared spectral atlas of starburst galaxies,” *ApJ Suppl.*, submitted.

van Breemen, J.M., Min, M., Chiar, J.E., Waters, L.B.F.M., Boogert, A.C.A., Cami, J., Decin, L., Knez, C., Kemper, F., **Sloan, G.C.**, & Tielens, A.G.G.M. 2009, “The 9.5 and 18 μm silicate absorption profiles towards diffuse molecular cloud lines of sight,” *A&A*, submitted.

Bernard-Salas, J., Peeters, E., **Sloan, G.C.**, Gutenkunst, S., Zijlstra, A.A., Matsuura, M., Tielens, A.G.G.M., & Houck, J.R. 2009, “Unusual dust emission from planetary nebulae in the Magellanic Clouds,” *ApJ*, in press.

Matsuura, M., Zijlstra, A.A., Barlow, M., Whitelock, P.A., Cioni, M.-R.L. Groenewegen, M.A.T., Volk, K., Kemper, K., Kodama, T., Lagadec, E., Meixner, M., **Sloan, G.C.**, & Srinivasan, S. 2009, “The global gas and dust budget of the Large Magellanic Cloud: AGB stars and supernovae, and the impact on the ISM,” *MNRAS*, **396**, 918. Citations: None yet.

Lagadec, E., Zijlstra, A.A., **Sloan, G.C.**, Wood, P.R., Matsuura, M., Bernard-Salas, J., Blommaert, J.A.D.L., Cioni, M.-R.L., Feast, M.W., Groenewegen, M.A.T., Honny, S., Menzies, J.W., van Loon, J.Th., & Whitelock, P.A. 2009, “Metal-rich carbon stars in the Sagittarius Dwarf Spheroidal Galaxy,” *MNRAS*, **396**, 598. Citations: None yet.

Sargent, B.A., Forrest, W.J., Tayrien, C., McClure, M.K., Watson, D.M., **Sloan, G.C.**, Li, A., Manoj, P., Bohac, C.J., Furlan, E., Kim, K.H., & Green, J.D. 2009, “Dust processing and grain growth in protoplanetary disks in the Taurus-Auriga star-forming region,” *ApJ Suppl.*, **182**, 477. Citations: 2.

Leggett, S.K., Cushing, M.C., Saumon, D., Marley, M.S., Roellig, T.L., Warren, S.J., Burningham, B., Jones, H.R.A., Kirkpatrick, J.D., Loudieu, N., Lucas, P.W., Mainzer, A.K., Martin, E.L., McCaughrean, M.J., Pinfeld, D.J., **Sloan, G.C.**, Smart, R.L., Tamura, M., & Van Cleve, J. 2009, “The physical properties of four ~ 600 K T dwarfs,” *ApJ*, **695**, 1517. Citations: None yet.

Sloan, G.C., Matsuura, M., Zijlstra, A.A., Lagadec, E., Groenewegen, M.A.T., Wood, P.R., Szyszka, C., Bernard-Salas, J. & van Loon, J.Th. 2009, “Dust formation in a galaxy with primitive abundances,” *Science*, **323**, 353. Citations: 2.

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- 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.** 2009, “Silica in protoplanetary disks,” *ApJ*, **690**, 1193. Citations: 2.
- Cami, J., **Sloan, G.C.**, Markwick-Kemper, A.J., Zijlstra, A.A., Bauschlicher, C., Matsuura, M., Decin, L., & Hony, S. 2009, “The detection of infrared SiS bands in spectra of S stars,” *ApJ Letters*, **690**, L122. Citations: None yet.
- 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. 2009, “Crystalline silicates and dust processing in the protoplanetary disks of the Taurus young cluster,” *ApJ Suppl.*, **180**, 84. Citations: 13.
- Gruendl, R.A., Chu, Y.-H., Seale, J.P., Matsuura, M., Speck, A.K., **Sloan, G.C.**, & Looney, L.W. 2008, “The discovery of extreme carbon stars in the Large Magellanic Cloud,” *ApJ Letters*, **688**, L9. Citations: 4.
- 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**, 1056. Citations: 13.
- 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*, **684**, 411. Citations: 6.
- 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,” *A&A*, **487**, 1055. Citations: 8.
- Leisenring, J.M., Kemper, F., & **Sloan, G.C.** 2008, “Effects of metallicity on the chemical composition of carbon stars,” *ApJ*, **681**, 1557. Citations: 8.
- 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: 6.
- 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., Lagarde, 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: 14.
- 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: 24.

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- 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: 9.
- 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: 25.
- 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: 26.
- 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: 103.
- 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: 107.
- 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: 13.
- 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: 12.
- 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 Suppl.*, **166**, 351. Citations: 77.
- 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: 38.
- 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: 19.

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- 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: 37.
- 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: 31.
- 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: 29.
- 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: 36.
- 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: 5.
- 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: 11.
- 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: 11.
- 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: 42.
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- 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: 12.
- 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: 79.

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- 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: 15.
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- 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.
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- 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 Suppl.*, **154**, 443. Citations: 75.
- Uchida, K.I., Calvet, N., Hartmann, L., Kemper, F., Forrest, W.J., Watson, D.M., D'Alessio, P., Chen, C.H., Furlan, E., Sargent, B., Brandl, B.R., Herter, T.L., Morris, P., Myers, P.C., Najita, J., **Sloan, G.C.**, Barry, D.J., Green, J., Keller, L.D., & Hall, P. 2004, “The state of protoplanetary material 10 million years after stellar formation: Circumstellar disks in the TW Hydrae Association,” *ApJ Suppl.*, **154**, 439. Citations: 62.
- 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,” *ApJ Suppl.*, **154**, 418. Citations: 38.
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- Devost, D., Brandl, B.R., Armus, L., Barry, D.J., **Sloan, G.C.**, Charmandaris, V., Spoon, H., Bernard-Salas, J., & Houck, J.R. 2004, “*Spitzer* Infrared Spectrograph (IRS) mapping of the inner kiloparsec of NGC 253: Spatial distribution of the [Ne III], polycyclic aromatic hydrocarbon 11.3 micron, and H₂ (0-0) S(1) lines and a gradient in the [Ne III]/[Ne II] line ratio,” *ApJ Suppl.*, **154**, 242. Citations: 13.
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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: 19.

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- Sloan, G.C.** & Price, S.D. 1998, “The silicate dust sequence: infrared spectral classification of oxygen-rich circumstellar dust,” *ApJ Suppl.*, **119**, 141. Citations: 54.
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Colloquia, Seminars, and Presentations

Rochester, Univ., department seminar, 16 March, 2009, “Dust in the primitive Universe: Clues from the Local Group and Milky Way.”

Cornell Univ., department colloquium, 22 January, 2009, “Clues about dust in the primitive Universe.”

Cornell Univ., seminar, 17 October, 2008, “The first dust.”

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.”

Colloquia, Seminars, and Presentations (continued)

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

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.”

Cornell Univ., seminar, 11 August, 1999, “The nature of organic molecules in the interstellar medium.”

Virginia Tech, department colloquium, 22 April, 1999, “The nature of organic molecules in the interstellar medium.”

National Radio Astronomy Observatory, department colloquium, 1 April, 1999, “The nature of organic molecules in the interstellar medium.”

Univ. of Canterbury, department seminar, 22 May, 1998, “The nature of organic molecules in the interstellar medium.”

Joint Astronomy Centre, seminar, 5 May, 1998, “The nature of organic molecules in the interstellar medium.”

Mount Stromlo and Siding Spring Observatories, seminar, 9 April, 1998, “The nature of organic molecules in the interstellar medium.”

Australian Defence Force Academy, seminar, 12 September, 1997, “Emission from organic molecules in NGC 1333: Evidence for ionized PAHs.”

Colloquia, Seminars, and Presentations (continued)

Univ. of New England, seminar, 12 August, 1997, "Ionized polycyclic aromatic hydrocarbons in NGC 1333."

Univ. of Washington, seminar, 5 March, 1997, "PAHs in the Orion Bar."

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."

Univ. of New England, seminar, July, 1996, "Long-slit spectra of the Orion Bar at 3 μm ."

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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."