

Curriculum Vitæ

Gregory C. Sloan

STScI Scientist, Space Telescope Science Institute
3700 San Martin Dr., Baltimore, MD 21218
(667) 218-6455, gcsloan@stsci.edu
<https://www.stsci.edu/~gcsloan/>

Highlights

- Awarded over \$2.2 million in funding.
- Published 161 refereed papers, with over 11,000 citations (Hirsch index = 61).
- Expert on complex organics and dust in interstellar and circumstellar environments.
- Member of an international collaboration studying dust formation and mass loss from evolved stars.
- A leader in the calibration of the *James Webb Space Telescope* and previous infrared space missions.
- Seasoned teacher, of both physics and astronomy, introductory and advanced, at several universities.

Education

Ph.D. Physics (Astrophysics Program), University of Wyoming 1992
Spatially Resolved 10 Micron Spectra of Circumstellar Material around Evolved Stars
Research advisors: Ron Canterna and Gary Grasdalen.

B.A. Physics and Astronomy, Northwestern University 1985

Research Experience

Support Scientist and STScI Scientist, Space Telescope Science Institute 2016-present
Supporting the Mid-Infrared Instrument (MIRI) on the *James Webb Space Telescope* (JWST).
Coordinating JWST and MIRI calibration, lead for the Low-Resolution Spectrometer.

Research Associate and Senior Research Associate, Cornell University 2001-2017
Member of the *Spitzer*/Infrared Spectrograph team under Jim Houck. Led Cornell's calibration and involved in many science projects, including studying evolved stars in Local Group galaxies.

Senior Astronomer, Boston College 2000-2002
Produced a calibrated spectral atlas from the *Infrared Space Observatory* with Steve Price.

NSF International Research Fellow, Australian Defence Force Academy 1997-1998
Studied mass loss and dust formation in evolved stars with Craig Smith.

National Research Council Associate, NASA Ames Research Center 1994-1997
Studied organic molecules in the interstellar medium with Jesse Bregman.

Geophysics Scholar and Phillips Laboratory Scholar, Air Force Phillips Lab. 1992-1994
Used spectra from the *Infrared Astronomical Satellite* to study dust formed by dying stars.

Research Assistant, University of Wyoming 1986-1991
Developed the data acquisition system for the first long-slit infrared spectrometer and used it to study spectral properties and morphology of circumstellar dust under Gary Grasdalen.

Funding Awards

● <i>James Webb Space Telescope</i> observing awards, \$250,000	2022-present
● NASA Astrophysics and Data Analysis Program, \$625,000	2019-present
● SOFIA observing awards, \$98,000	2015-2024
● National Science Foundation, Astrophysics Division, \$469,000	2011-2016
● NASA Astrophysics and Data Analysis Program, \$537,000	2009-2017
● <i>Spitzer Space Telescope</i> observing awards, \$276,000	2004-2010
● National Science Foundation International Research Fellowship	1997-1998
● National Research Council Fellowship	1994-1997
● Geophysics and Phillips Laboratory Scholar Fellowships	1992-1994

Teaching Experience

Visiting Lecturer , University of North Carolina at Chapel Hill Introductory survey of planetary astronomy.	2016
Visiting Lecturer , Cornell University Introductory survey of planetary astronomy, advanced course in stellar and galactic astrophysics.	2009-2011
Lecturer , Ithaca College Introductory survey of planetary astronomy, taught in a SCALE-UP classroom.	2006-2007
Senior Instructor , Virginia Polytechnic Institute and State University General physics, both with and without calculus.	1999-2000
Visiting Lecturer , University of New England, Australia Introduction to astronomy.	1996-1998
Visiting Instructor , University of Montana Introduction to astronomy.	1991
Instructor and Teaching Assistant , University of Wyoming Introduction to astronomy, teaching assistant for several astronomy and physics courses.	1985-1991

Mentoring Experience

Mentored seven summer students and six undergraduates at Cornell and UNC and published eight refereed papers with them. Supervised two post-doctoral research associates.

Public Outreach

Extensive outreach efforts include a children's book, appearances on radio and television, public lectures, teacher workshops, enrichment courses at schools, star parties and eclipse viewing.

Astronomy Service and Associations

Proposal reviewer for NASA, the NSF, *Spitzer Space Telescope*, UKIRT, CFHT, and Subaru. Referee for 33 submitted papers for five astronomy and optics journals. External examiner for one Ph.D. dissertation. Member, International Astronomical Union and American Astronomical Society.

Refereed Publications

As of 20 November, 2024, 161 refereed papers published (27 as first author), plus two in press and two submitted.

165. Law, D.R., Argyriou, I., Gordon, K.D., **Sloan, G.C.**, Gasman, D., Glasse, A., Fletcher, L.N., Labiano, A., & Noriega-Crespo, A. 2024, “The James Webb Space Telescope absolute flux calibration. III. Mid-Infrared Instrument Medium Resolution IFU Spectrometer,” *AAS journals*, submitted.
164. Lu, C., Mitral, T., Chen, C.H., Li, A.Y., Worthen, K., Sargent, B.A., Lisse, C.M., **Sloan, G.C.**, Hines, D.C., Watson, D.M., Rebollido, I., & Green, J.D. 2024, “Sequencing silicates in the IRS Debris Disk Catalog. I. Methodology for unsupervised clustering,” *ApJ*, submitted.
163. Gordon, K.D., **Sloan, G.C.**, Garcia Marin, M., Libralato, M., Rieke, G., Aguilar, J.A., Bohlin, R., Cracraft, M., Decleir, M., Gaspar, A., Law, D.R., & Noriega-Crespo 2024, “The James Webb Space Telescope absolute flux calibration. II. Mid-Infrared Instrument imaging and coronagraphy,” *AAS journals*, in press.
162. Chai, Y., Chen, C.H., Worthen, K., Li, A., Sefilian, A.A., Balmer, W., Hines, D.C., Law, D.R., Sargent, B.A., Wyatt, M., Lu, C.X., Perrin, M.D., Rebollido, I., Rickman, E., & **Sloan, G.C.** 2024, “A JWST MIRI MRS view of the eta Tel Debris Disk and its brown dwarf companion,” *ApJ*, in press.
161. **Sloan, G.C.**, Kraemer, K.E., Aringer, B., Cami, J., Eriksson, K., Höfner, S., Lagadec, E., Matsuura, M., McDonald, I., Montiel, E., Sahai, R., & Zijlstra, A. 2024, “Temporal changes in the infrared spectra of Magellanic carbon stars,” *Galaxies*, **12**, 61.
160. Kraemer, K.E., **Sloan, G.C.**, & Ramirez, R. 2024, “The dustiest Galactic S stars: Mid-infrared spectra from SOFIA/FORCAST,” *ApJ*, **973**, 158.
159. Chen, C.H., Lu, C.X., Worthen, K., et al. 2024 (20 coauthors, including **Sloan, G.C.**), “MIRI MRS observations of beta Pictoris. II. The spectroscopic case for a recent giant collision,” *ApJ*, **973**, 139.
158. Dicken, D., Garcia Marin, M., Shivaee, I., et al. 2024 (40 authors, including **G.C. Sloan**), “JWST MIRI flight performance: Imaging,” *A&A*, **689**, A5.
157. Gasman, D., Argyriou, I., Morrison, J.E., Law, D.R., Glasse, A., Gordon, K.D., Kavanagh, P.J., Lage, C., Patapis, & **Sloan, G.C.** 2024, “The MIRI/MRS Library. I. Empirically correcting detector charge migration in unresolved sources,” *A&A*, **688**, A626.
156. Worthen, K., Chen, C.H., Law, D.R., et al. 2024, (18 authors, including **G.C. Sloan**), “MIRI MRS observations of beta Pictoris. I. The inner disk, the planet, and the gas,” *ApJ*, in press.
155. Kuchar, T.A., **Sloan, G.C.**, Mizuno, D.R., et al. 2024, “SMC-Last extracted photometry,” *AJ*, **167**, 149.
154. Jones, O.C., Alvarez-Marquez, J., **Sloan, G.C.**, et al. 2023, “Observations of the planetary nebula SMP LMC 058 with the JWST MIRI Medium Resolution Spectrometer,” *MNRAS*, **523**, 5219.

Refereed Publications (continued)

153. Morrison, J.E., Dicken, D., Agyriou, I., et al. 2023, (24 authors, including **Sloan, G.C.**), “JWST MIRI flight performance: Detector effects and data reduction algorithms,” *PASP*, **135**.
152. Gardner, J.P., Mather, J.C., Abbot, R., et al. 2023 (1008 authors, including **Sloan, G.C.**), “The James Webb Space Telescope Mission,” *PASP*, in press.
151. Gasman, D., Argyriou, I., **Sloan, G.C.**, et al. 2023, “JWST MIRI/MRS in-flight absolute flux calibration and tailored fringe correction for unresolved sources,” *A&A*, **673**, 102.
150. Wright, G.S., Rieke, G.H., Glasse, A. et al. 2023 (102 authors, including **Sloan, G.C.**), “The Mid-infrared Instrument for JWST and its in-flight performance,” *PASP*, **135**, 48003.
149. Rigby J., Perrin, M., McElwain, M., et al. 2023 (626 authors, including **Sloan, G.C.**), “The science performance of JWST as characterized in commissioning,” *PASP*, **135**, 48001.
148. Bouwman, J., Kendrew, S., Greene, T.P., et al. 2023 (24 authors, including **Sloan, G.C.**), “Spectroscopic time series performance of the Mid-infrared Instrument on the JWST,” *PASP*, **135**, 38002.
147. Kraemer, K.E., Engelke, C.W., Renger, B.A., & **Sloan, G.C.** 2022, “Tying Spitzer’s IRS calibration to IRAC: Observations of IRS standard stars,” *AJ*, **164**, 161.
146. Jensen, P.A., Shannon, M.J., Peeters, E., **Sloan, G.C.**, & Stock, D.J., 2020, “The aliphatic bands associated with polycyclic aromatic hydrocarbons,” *A&A*, submitted.
145. Mizuno, D.R., Kraemer, K.E., Kuchar, T.A., & **Sloan, G.C.**, et al. 2022, “SMC-Last mosaic images,” *PASP*, **134**, 4101.
144. Lu, C.X., Chen, C.H., Sargent, B.A., Watson, D.M., Lisse, C.M., Green, J.D., Sitko, M.L., Mittal, T., **Sloan, G.C.**, Lebouteiller, V., Rebolido, I., Hines, D.C., Werner, M.W., & Stepelfeldt, K.R. 2022, “Trends in silicates in the β Pictoris disk,” *ApJ*, **933**, 54.
143. Gordon, K.D., Bohlin, R., **Sloan, G.C.**, et al. 2022, “The James Webb Space Telescope absolute flux calibration. I. Program design and calibrator stars,” *AJ*, **163**, 267.
142. Scicluna, P., et al. (91 authors, including **Sloan, G.C.**) 2022, “The Nearby Evolved Stars Survey II: Constructing a volume-limited sample and first results from the James Clerk Maxwell Telescope,” *MNRAS*, **512**, 1091.
141. Mullally, S.E., **Sloan, G.C.**, Hermes, J.J., Kunz, M., Hambleton, K., Bohlin, R., Fleming, S.W., Gordon, K.D., Kaleida, C., & Mohamed, K. 2022, “Searching for TESS photometric variability of possible JWST spectrophotometric standard stars,” *AJ*, **163**, 136.
140. Rieke, G.H., Su, K., **Sloan, G.C.**, & Schlawin, E. 2022, “Infrared absolute calibration I: Comparison of Sirius with fainter calibration stars,” *AJ*, **163**, 45.
139. Bhardwaj, A., Rejkuba, M., **Sloan, G.C.**, Marconi, M., & Yang, S.-C. 2021, “Optical and near-infrared pulsation properties of RR Lyrae and Population II Cepheid variables in the Messier 15 globular cluster,” *ApJ*, **922**, 20.

Refereed Publications (continued)

138. Volk, K., **Sloan, G.C.**, & Kraemer, K.E. 2020, “The 21 μm and 30 μm emission features in carbon-rich objects,” *ApSS*, **365**, 88.
137. Kraemer, K.E., **Sloan, G.C.**, Keller, L.D., McDonald, I., Zijlstra, A.A., & Groenewegen, M.A.T. 2019, “Stellar pulsation and the production of dust and molecules in Galactic carbon stars,” *ApJ*, **887**, 82.
136. Goldman, S.R., Boyer, M.L., McQuinn, K.B.W., **Sloan, G.C.**, McDonald, I., van Loon, J.Th., Zijlstra, A.A., Hirschauer, A.S., Skillman, E.D., & Srinivasan, S. 2019, “AGB stars in the nearby dwarf galaxy Leo P,” *ApJ*, **884**, 152.
135. Keller, L.D., **Sloan, G.C.**, Oliveira, J.M., Kraemer, K.E., van Loon, J.Th., Wood, P.R., Zijlstra, A.A., Simon, J.D., Ferreira, R., Garay-MacLean, M., Hyatt, J.T., Geidel, K., Quinn, J., & Santoro, D. 2019, “Identification of Herbig AeBe stars in the Small Magellanic Cloud,” *ApJ*, **878**, 147.
134. Gladkowski, M., Szczerba, R., **Sloan, G.C.**, Lagadec, E., & Volk, K. 2019, “The 30 micron sources of in galaxies with different metallicities,” *A&A*, **626**, 92
133. Goldman, S.R., Boyer, M.L., McQuinn, K.B.W., Whitelock, P.A., McDonald, I., van Loon, J.Th., Skillman, E.D., Gehrz, R.D., Javadi, A., **Sloan, G.C.**, Jones, O.C., Groenewegen, M.A.T., & Menzies, J. W., 2019, “An infrared census of DUST in Nearby Galaxies with *Spitzer* (DUSTiNGS). V. The period-luminosity relation for dusty metal-poor AGB stars,” *ApJ*, **877**, L85.
132. McDonald, I., Boyer, M., Groenewegen, M.A.T., Lagadec, E., Richards, A.M. S., **Sloan, G.C.**, & Zijlstra, A.A. 2019, “Circumstellar CO in metal-poor stellar winds: The highly irradiated globular cluster star 47 Tucanae V3,” *MNRAS*, **484**, L85.
131. Hankins, M.J., Herter, T.L., Maercker, M., Lau, R.M., & **Sloan, G.C.** 2018, “An infrared study of the circumstellar material associated with the carbon star R Sculptoris,” *ApJ*, **852**, 27.
130. Groenewegen, M.A.T., & **Sloan, G.C.** 2017, “Luminosities and mass-loss rates of Local Group AGB stars and red supergiants,” *A&A*, **609**, 114.
129. Boyer, M.L., McQuinn, K.B.W., Groenewegen, M.A.T., Zijlstra, A.A., Whitelock, P.A., van Loon, J.Th., Sonneborn, G., **Sloan, G.C.**, Skillman, E.D., Meixner, M., McDonald, I., Jones, O., Javadi, A., Gehrz, R.D., Britavskiy, N., & Bonanos, Z., 2017, “An infrared census of Dust in Nearby Galaxies with *Spitzer* (DUSTiNGS). IV. Discovery of high-redshift AGB analogs,” *ApJ*, **851**, 152.
128. **Sloan, G.C.** 2017, “Carbon-rich dust from the asymptotic giant branch to planetary nebulae,” *Planet. Space Sci.*, **139**, 32. (Invited review)
127. Jones, O.C., Woods, P.M., Kemper, F., Kraemer, K.E., **Sloan, G.C.**, Srinivasan, S., Oliveira, J.M., van Loon, J.Th., Boyer, M.L., Sargent, B.A., McDonald, I., Meixner, M., Zijlstra, A.A., Ruffle, P.M.E., Lagadec, E., Pauly, T., Sewilo, M., Clayton, G.C., & Volk, K. 2017 “The SAGE-Spec *Spitzer* Legacy program: The life-cycle of dust and gas in the Large Magellanic Cloud. Point source classification III.,” *MNRAS*, **470**, 3250.

Refereed Publications (continued)

126. Kraemer, K.E., **Sloan, G.C.**, Wood, P.R., Jones, O.C., & Egan M.P. 2016, “Characterizing the population of bright infrared sources in the Small Magellanic Cloud,” *ApJ*, **834**, 185.
125. McQuinn, K.B.W., Boyer, M.L., Mitchell, M.B., Skillman, E.D., Gehrz, R.D., Groenewegen, M.A.T., McDonald, I., **Sloan, G.C.**, van Loon, J.Th., Whitelock, P.A., & Zijlstra, A.A. 2016, “DUSTINGS III: Distribution of intermediate-age and old stellar populations in disks and outer extremities of dwarf galaxies,” *ApJ*, **835**, 78.
124. Groenewegen, M.A.T. Vlemmings, W.H.T., Marigo, P., **Sloan, G.C.**, et al. (23 coauthors) 2016, “The ALMA detection of CO rotational line emission in AGB stars in the Large Magellanic Cloud,” *A&A*, **596**, 50.
123. **Sloan, G.C.**, Kraemer, K.E., McDonald, I., Groenewegen, M.A.T., Wood, P.R., Zijlstra, A.A., Lagadec, E., Boyer, M.L., Kemper, F., Matsuura, M., Sahai, R., Sargent, B.A., Srinivasan, S., van Loon, J.Th., & Volk, K. 2016, “The infrared spectral properties of Magellanic carbon stars,” *ApJ*, **826**, 44.
122. McDonald, I., Zijlstra, A.A., **Sloan, G.C.**, Lagadec, E., Johnson, C.I., Uttenthaler, S., Jones, O.C., & Smith, C.L. 2016, “EU Del: Exploring the onset of pulsation-driven winds in giant stars,” *MNRAS*, **456**, 4542.
121. Stewart, P.N., Tuthill, P.G., Nicholson, P.D., **Sloan, G.C.**, & Hedman, M.W. 2015, “An atlas of bright star spectra in the near infrared from *Cassini*-VIMS,” *ApJ Supplement*, **221**, 30.
120. McDonald, I., Zijlstra, A.A., Lagadec, E., **Sloan, G.C.**, Boyer, M.L., Matsuura, M., Smith, R.J., Smith, C.L., Yates, J.A., van Loon, J.Th., Jones, O.C., Ramstedt, S., Avison, A., Justtanont, K., Olofsson, H., Blommaert, J.A.D.L., Goldman, S.R., & Groenewegen, M.A.T. 2015, “ALMA reveals sunburn: CO dissociation around AGB stars in the globular cluster 47 Tucanae,” *MNRAS*, **453**, 4324.
119. **Sloan, G.C.**, Goes, C.W., Ramirez, R.M., Kraemer, K.E., & Engelke, C.W. 2015, “Infrared spectral properties of M giants,” *ApJ*, **811**, 45.
118. Ruffle, P.M.E., Kemper, F., Jones, O.C., **Sloan, G.C.**, Kraemer, K.E., Woods, P.M., Boyer, M.L., Srinivasan, S., Antoniou, V., Lagadec, E., Matsuura, M., McDonald, I., Oliveira, J.M., Sargent, B.A., Seweilo, M., Szczerba, R., van Loon, J.Th., Volk, K., & Zijlstra, A.A. 2015, “*Spitzer* Infrared Spectrograph point source classification in the Small Magellanic Cloud,” *MNRAS*, **451**, 3504.
117. Guzman-Ramirez, L., Lagadec, E., Wesson, R., Müller, A., Jones, D., Boffin, H.M.J., **Sloan, G.C.**, Redman, M.P., Smetta, A., Karakas, A., & Nyman, L.-Å. 2015, “The emergence of a carbon star,” *MNRAS*, **451**, L1.
116. Lebouteiller, V., Barry, D.J., Goes, C., **Sloan, G.C.**, Spoon, H.W.W., Weedman, D.W., Bernard-Salas, J., & Houck, J.R. 2015, “CASSIS: The Cornell Atlas of *Spitzer*/Infrared Spectrograph Sources. II. High-resolution observations,” *ApJ Suppl.*, **218**, 21.

Refereed Publications (continued)

115. Boyer, M.L., McQuinn, K.B.W., Barmby, P., Bonanos, A.Z., Gehrz, R.D., Gordon, K.D., Groenewegen, M.A.T., Lagadec, E., Lennon, D., Marengo, M., McDonald, I., Meixner, M., Skillman, E., **Sloan, G.C.**, Sonneborn, G., van Loon, J.Th., & Zijlstra, A., 2015, “An infrared spectral census of dust in nearby galaxies with *Spitzer* (DUSTiNGS). II. Discovery of metal-poor dusty AGB stars,” *ApJ*, **800**, 51.
114. Boyer, M.L., McQuinn, K.B.W., Barmby, P., Bonanos, A.Z., Gehrz, R.D., Gordon, K.D., Groenewegen, M.A.T., Lagadec, E., Lennon, D., Marengo, M., Meixner, M., Skillman, E., **Sloan, G.C.**, Sonneborn, G., van Loon, J.Th., & Zijlstra, A., 2015, “An infrared spectral census of dust in nearby galaxies with *Spitzer* (DUSTiNGS). I. Overview,” *ApJ Suppl.*, **216**, 10.
113. **Sloan, G.C.**, Herter, T.L., Charamondaris, V., Sheth, K., Burgdorf, M., & Houck, J.R. 2015, “Spectral calibration in the mid-infrared: Challenges and solutions,” *AJ*, **149**, 11.
112. **Sloan, G.C.**, Lagadec, E., Zijlstra, A.A., Weis, A.P., Matsuura, M., Volk, K., Peeters, E., Duley, W.W., Cami, J., Bernard-Salas, J., Kemper, F., & Sahai, R. 2014, “Carbon-rich dust past the asymptotic giant branch: Aliphatics, aromatics, and fullerenes in the Magellanic Clouds,” *ApJ*, **791**, 28.
111. Jones, O.C., Kemper, F., Srinivasan, S., McDonald, I., **Sloan, G.C.**, & Zijlstra, A.A., 2014, “Modelling the alumina abundance of oxygen-rich evolved stars in the Large Magellanic Cloud,” *MNRAS*, **440**, 631.
110. McDonald, I., Zijlstra, A.A., **Sloan, G.C.**, Kerins, E., Lagadec, E., & Minniti, D. 2014, “VISTA variables in the Sagittarius dwarf spheroidal galaxy,” *MNRAS*, **439**, 2618.
109. Matsuura, M., et al. (29 authors, including **Sloan, G.C.**) 2014, “*Spitzer Space Telescope* spectra of post-AGB stars in the Large Magellanic Cloud — polycyclic aromatic hydrocarbons at low metallicities,” *MNRAS*, **439**, 1472.
108. McDonald, I., Zijlstra, A.A., **Sloan, G.C.**, Kerins, E., Lagadec, E., Minniti, D., Gurovich, S., Dominguez Romero, M.J.de L., & Santucho, V. 2013, “VISTA’s view of the Sgr dSph galaxy and southern Galactic Bulge,” *MNRAS*, **436**, 413.
107. Adams, J.J., Simon, J.D., Bolatto, A.D., **Sloan, G.C.**, Sandstrom, K.M., Schmiedeke, A., van Loon, J.Th., Oliveira, J.M., & Keller, L.D. 2013, “Dusty OB stars in the Small Magellanic Cloud - II: Extragalactic disks or examples of the Pleiades phenomenon?” *ApJ*, **771**, 112.
106. Oliveira, J.M., van Loon, J.Th., **Sloan, G.C.**, Sewilo, M., Kraemer, K.E., Wood, P.R., Indebetouw, R., Filipovic, M.D., Crawford, E.J., Wong, G.F., Hora, J.L., Meixner, M., Robitaille, T., Shiao, B., & Simon, J.D. 2013, “Early-stage young stellar objects in the Small Magellanic Cloud,” *MNRAS*, **428**, 3001.
105. Jones, O.C., Kemper, F., Sargent, B.A., McDonald, I., Gielen, C., Woods, P.M., **Sloan, G.C.**, Boyer, M.L., Zijlstra, A.A., Clayton, G.C., Kraemer, K.E., Ruffle, P.M.E., & Srinivasan, S. 2012, “On the metallicity dependence of crystalline silicates in oxygen-rich AGB and RSG stars,” *MNRAS*, **427**, 3209.

Refereed Publications (continued)

104. Lagadec, E., **Sloan, G.C.**, Zijlstra, A.A., Maunon, N., & Houck, J.R. 2012, “SiC dust in metal-poor carbon stars in the Galactic Halo,” *MNRAS*, **427**, 2588.
103. Lebouteiller, V., **Sloan, G.C.**, Groenewegen, M.A.T., Matsuura, M., Riebel, D., Whelan, D.G., Bernard-Salas, J., Massey, P., & Bayet, E. 2012, “Oxygen-rich dust production in IC 10,” *A&A*, **546**, 94.
102. Smolders, K., Verhoelst, T., Neyskens, P., Blommaert, J.A.D.L., Decin, L., Van Winckel, H., Van Eck, S., **Sloan, G.C.**, Cami, J., Hony, S., de Cat, P., Menu, J., & Vos, J. 2012, “Detection of a new TiO emission band in the infrared spectrum of the S-type AGB star NP Aurigae,” *A&A*, **543**, L2.
101. **Sloan, G.C.**, Matsuura, M., Lagadec, E., van Loon, J.Th., Kraemer, K.E., McDonald, I., Groenewegen, M.A.T., Wood, P.R., Bernard-Salas, J., & Zijlstra, A.A. 2012, “Carbon-rich dust production in metal-poor galaxies in the Local Group,” *ApJ*, **752**, 140.
100. Smolders, K., et al. (31 authors, including **Sloan, G.C.**) 2012, “The *Spitzer* spectroscopic survey of S-type stars, *A&A*, **540**, 72.
99. Boyer, M.L., Srinivasan, S., Riebel, D., McDonald, I., van Loon, J.Th., Clayton, G.C., Gordon, K.D., Meixner, M., Sargent, B.A., & **Sloan, G.C.** 2012, “The dust budget of the SMC: Are AGB stars the primary dust source at low metallicity?” *ApJ*, **748**, 40.
98. McDonald, I., van Loon, J.Th., **Sloan, G.C.**, Dupree, A.K., Zijlstra, A.A., Boyer, M.L., Gehr, R.D., Evans, A., Woodward, C.E., & Johnson, C.I. 2011, “*Spitzer* spectra of evolved stars in omega Centauri and their low-metallicity dust production,” *MNRAS*, **417**, 20.
97. Gielen, C., Bouwman, J., Van Winckel, H., Lloyd Evans, T., Woods, P.M., Kemper, F., Marengo, M., Meixner, M., **Sloan, G.C.**, & Tielens, A.G.G.M. 2011, “Silicate features in Galactic and extragalactic post-AGB discs,” *A&A*, **533**, 99.
96. Lebouteiller, V., Barry, D.J., Spoon, H.W.W., Bernard-Salas, J., **Sloan, G.C.**, Houck, J.R., & Weedman, D. 2011, “CASSIS: The Cornell Atlas of *Spitzer*/IRS Spectra,” *ApJ Suppl.*, **196**, 8.
95. Volk, K., Hrivnak, B.J., Matsuura, M., Bernard-Salas, J., Szczerba, R., **Sloan, G.C.**, Kraemer, K.E., Kemper, F., Woods, P.M., Zijlstra, A.A., Meixner, M., Gordon, K.D., Tielens, A.G.G.M., Indebetouw, R., van Loon, J.Th., Gruendl, R.A., Sahai, R., & Maringo, M. 2011, “Discovery and analysis of 21 μm feature sources in the Magellanic Clouds,” *ApJ*, **735**, 127.
94. Hony, S., Kemper, F., Woods, P.M., van Loon, J.Th., Gorjian, V., Madden, S.C., Zijlstra, A.A., Gordon, K.D., Indebetouw, R., Marengo, M., Meixner, M., Shiao, B., **Sloan, G.C.**, Mullaney, J., & Tielens, A.G.G.M. 2011, “The *Spitzer* discovery of an entirely AGN dominated galaxy,” *A&A*, **531**, 137.
93. **Sloan, G.C.**, Hony, S., Smolders, K., Decin, L., Zijlstra, A.A., Feast, M.W., van Wyk, F., van Loon, J.Th., Groenewegen, M.A.T., & Sahai, R. 2011, “The identification of SiS emission at 13-14 μm in the infrared spectra of Galactic S stars,” *ApJ*, **729**, 121.

Refereed Publications (continued)

92. Woods, P.M., et al. (58 authors, including **Sloan, G.C.**) 2011, “The SAGE-Spec *Spitzer* legacy program: The life-cycle of dust and gas in the Large Magellanic Cloud. Point source classification I,” *MNRAS*, **411**, 1597.
91. van Breemen, J.M., Min, M., Chiar, J.E., Waters, L.B.F.M., Kemper, F., Boogert, A.C.A., Cami, J., Decin, L., Knez, C., **Sloan, G.C.**, & Tielens, A.G.G.M. 2011, “The 9.7 and 18 μ m silicate absorption profiles towards diffuse molecular cloud lines of sight,” *A&A*, **526**, 152.
90. Oliveira, J.M., van Loon, J.Th., **Sloan, G.C.**, Gordon, K.D., Indebetouw, R., Kemper, F., Marengo, M., Meixner, M., Simon, J.D., Tielens, A.G.G.M., & Woods, P.M. 2011, “Ice chemistry in massive young stellar objects: The role of metallicity,” *MNRAS*, **411**, L36.
89. Srinivasan, S., Sargent, B.A., Matsuura, M., Meixner, M., Kemper, F., Tielens, A.G.G.M., Volk, K., Speck, A.K., Woods, P.M., Gordon, K., Marengo, M., & **Sloan, G.C.** 2010, “The mass-loss return from evolved stars to the Large Magellanic Cloud. III. Dust properties for carbon-rich asymptotic giant branch stars,” *A&A*, **524**, 49.
88. **Sloan, G.C.**, Matsunaga, N., Matsuura, M., Zijlstra, A.A., Kraemer, K.E., Wood, P.R., Nieusma, J., Bernard-Salas, J., Devost, D., & Houck, J.R. 2010, “*Spitzer* spectroscopy of mass loss and dust production by evolved stars in globular clusters,” *ApJ*, **719**, 1274.
87. Boyer, M.L., et al. (22 authors, including **Sloan, G.C.**) 2010, “Cold dust in three massive evolved stars in the LMC,” *A&A*, **518**, L142.
86. Otsuka, M., van Loon, J.Th., Long, K.S., Meixner, M., Matsuura, M., Reach, W.T., Roman-Duval, J., Gordon, K., Sauvage, M., Hony, S., Misselt, K., Engelbracht, C., Panuzzo, P., Okumura, K., Woods P.M., Kemper F., & **Sloan, G.C.** 2010, “Dust in the bright supernova remnant N49 in the LMC,” *A&A*, **518**, L139.
85. McDonald, I., **Sloan, G.C.**, Zijlstra, A.A., Matsunaga, N., Matsuura, M., Kraemer, K.E., Bernard-Salas, J., & Markwick, A.J. 2010, “Rusty old stars: A source of the missing interstellar iron?” *ApJ Letters*, **717**, L92.
84. Sargent, B.A., Srinivasan, S., Meixner, M., Kemper, F., Tielens, A.G.G.M., Speck, A.K., Matsuura, M., Bernard, J.-Ph., Hony, S., Gordon, K.D., Indebetouw, R., Marengo, M., **Sloan, G.C.**, & Woods, P.M. 2010, “The mass-loss return from evolved stars to the Large Magellanic Cloud. II. Dust properties for oxygen-rich asymptotic giant branch stars,” *ApJ*, **716**, 878.
83. Kemper, F., et al. (56 authors, including **Sloan, G.C.**) 2010, “The SAGE-Spec *Spitzer* Legacy program: The life-cycle of gas and dust in the Large Magellanic Cloud. I. Overview and initial results,” *PASP*, **122**, 683.
82. Smolders, K., Acke, B., Verhoelst, T., Blommaert, J.A.D.L., Decin, L., Hony, S., **Sloan, G.C.**, Neyskens, P., Van Eck, S., Zijlstra, A.A., & Van Winckel, H. 2010, “When an old star smolders: On the detection of hydrocarbon emission from S-type AGB stars,” *A&A Letters*, **514**, L1.
81. Lagadec, E., Zijlstra, A.A., Maun, N., Fuller, G., Josselin, E., **Sloan, G.C.**, & Riggs, A.J.E. 2010, “The low expansion velocity of metal-poor carbon stars in the Halo and the Sagittarius stream,” *MNRAS*, **403**, 1331.

Refereed Publications (continued)

80. van Loon, J.Th., Oliveira, J.M., Gordon, K.D., **Sloan, G.C.**, & Engelbracht, C.W. 2010, “A *Spitzer Space Telescope* far-infrared spectral atlas of compact sources in the Magellanic Clouds. II. The Small Magellanic Cloud,” *AJ*, **139**, 1553.
79. Lebouteiller, V., Bernard-Salas, J., **Sloan, G.C.**, & Barry, D.J. 2010, “Advanced optimal extraction for the *Spitzer/IRS*,” *PASP*, **122**, 188.
78. van Loon, J.Th., Oliveira, J.M., Gordon, K.D., Shiao, B., Boyer, M.L., Kemper, F., Woods, P.M., Tielens, A.G.G.M., Meixner, M., Marengo, M., Indebetouw, R., **Sloan, G.C.**, & Chen, C.-H.R. 2010, “A *Spitzer Space Telescope* far-infrared spectral atlas of compact sources in the Magellanic Clouds. I. The Large Magellanic Cloud,” *AJ*, **139**, 68.
77. Gielen, C., Van Winckel, H., Reyniers, M., Zijlstra, A., Lloyd Evans, T., Gordon, K.D., Kemper, F., Indebetouw, R., Marengo, M., Matsuura, M., Meixner, M., **Sloan, G.C.**, Tielens, A.G.G.M., & Woods, P.M. 2009, “Chemical depletion in the Large Magellanic Cloud: RV Tauri stars and the photospheric feedback from their dust discs,” *A&A*, **508**, 1391.
76. Oliveira, J.M., van Loon, J.Th., Chen, C.-H.R., Tielens, A.G.G.M., **Sloan, G.C.**, Woods, P.M., Kemper, F., Indebetouw, R., Gordon, K.D., Boyer, M.L., Shiao, B., Madden, S., Speck, A.K., Meixner, M., & Marengo, M. 2010, “Ice chemistry in embedded young stellar objects in the Large Magellanic Cloud,” *ApJ*, **707**, 1269.
75. 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*, **506**, 1277.
74. 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.*, **184**, 230.
73. 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*, **699**, 1541.
72. 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.
71. 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., Hony, 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.
70. 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.

Refereed Publications (continued)

69. 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.
68. **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.
67. 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.
66. 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.
65. 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.
64. 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.
63. **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.
62. 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.
61. 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.
60. Leisenring, J.M., Kemper, F., & **Sloan, G.C.** 2008, "Effects of metallicity on the chemical composition of carbon stars," *ApJ*, **681**, 1557.
59. 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.
58. 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.

Refereed Publications (continued)

57. **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.
56. 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.
55. 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.
54. 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.
53. 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.
52. 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.
51. 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.
50. 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.
49. 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.
48. 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.

Refereed Publications (continued)

47. 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.
46. 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.
45. **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.
44. Sargent, B., Forrest, W.J., D’Alessio, P., Li, A., Najita, J., Watson, D.M., Calvet, N., Furlan, E., Green, J.D., Kim, K.H., **Sloan, G.C.**, Chen, C.H., & Houck, J.R. 2006, “Dust processing in disks around T-Tauri type stars,” *ApJ*, **645**, 395.
43. 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.
42. **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.
41. Jura, M., Bohac, C.J., Sargent, B., Forrest, W.J., Green, J., Watson, D.M., **Sloan, G.C.**, Markwick-Kemper, F., Chen, C.H., & Najita, J. 2006, “Polycyclic aromatic hydrocarbons orbiting HD 233517, an evolved oxygen-rich giant,” *ApJ Letters*, **637**, L45.
40. 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.
39. **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.
38. 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.
37. 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.

Refereed Publications (continued)

36. 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.
35. 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.
34. 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.
33. 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.
32. **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.
31. Jura, M., et al. (22 coauthors, including **Sloan, G.C.**) 2004, "Mid-infrared spectra of dust debris around main-sequence stars," *ApJ Suppl.*, **154**, 453.
30. Forrest, W.J., et al. (21 coauthors, including **Sloan, G.C.**) 2004, "Mid-infrared spectroscopy of disks around classical T Tauri stars," *ApJ Suppl.*, **154**, 443.
29. Uchida, K.I., et al. (20 coauthors, including **Sloan, G.C.**) 2004, "The state of protoplanetary material 10 million years after stellar formation: Circumstellar disks in the TW Hydrae Association," *ApJ Suppl.*, **154**, 439.
28. 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.
27. Watson, D.M., et al. (21 coauthors, including **Sloan, G.C.**) 2004, "Mid-infrared spectra of Class I protostars in Taurus," *ApJ Suppl.*, **154**, 391.
26. 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 Suppl.*, **154**, 271.
25. 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.

Refereed Publications (continued)

24. Armus, L., et al. (27 authors, including **Sloan, G.C.**) 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 Suppl.*, **154**, 178.
23. Houck, J.R., et al. (35 authors, including **Sloan, G.C.**) 2004, “The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*,” *ApJ Suppl.*, **154**, 18.
22. **Sloan, G.C.**, Kraemer, K.E., Goebel, J.H., & Price, S.D. 2003, “Guilt by association: The 13 μ m dust emission feature and its correlation to other gas and dust features,” *ApJ*, **594**, 483.
21. **Sloan, G.C.**, Kraemer, K.E., Price, S.D., & Shipman, R.F. 2003, “A uniform database of 2.4-45.2 μ m spectra from the *ISO* Short Wavelength Spectrometer,” *ApJ Suppl.*, **147**, 379.
20. Kraemer, K.E., **Sloan, G.C.**, Price, S.D., & Walker, H.J. 2002, “Classification of 2.4-45.2 μ m spectra from the *ISO* Short Wavelength Spectrometer,” *ApJ Suppl.*, **140**, 389.
19. Price, S.D., **Sloan, G.C.**, & Kraemer, K.E. 2002, “Artifacts at 4.5 and 8.0 microns in Short-Wavelength Spectra from the *Infrared Space Observatory*,” *ApJ Letters*, **565**, L55.
18. Egan, M.P. & **Sloan, G.C.** 2001, “The physical basis for the silicate dust sequence,” *ApJ*, **558**, 165.
17. Bregman, J.D., Hayward, T.L., & **Sloan, G.C.** 2000, “Discovery of the 11.2 micron polycyclic aromatic hydrocarbon band in absorption toward Monoceros R2,” *ApJ Letters*, **544**, L75.
16. **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.
15. **Sloan, G.C.** & Price, S.D. 1998, “The silicate dust sequence: infrared spectral classification of oxygen-rich circumstellar dust,” *ApJ Suppl.*, **119**, 141.
14. **Sloan, G.C.**, Little-Marenin, I.R., & Price, S.D. 1998, “The carbon-rich dust sequence: infrared spectral classification of carbon stars,” *AJ*, **115**, 809.
13. **Sloan, G.C.**, Bregman, J.D., Geballe, T.R., Allamandola, L.J., & Woodward, C.E. 1997, “Variations in the 3 μ m spectrum across the Orion Bar: PAHs and related molecules,” *ApJ*, **474**, 735.
12. Geballe, T.R., Kulkarni, S.R., Woodward, C.E., & **Sloan, G.C.** 1996, “The near-infrared spectrum of the recently discovered brown dwarf Gliese 229B,” *ApJ Letters*, **467**, L101.
11. **Sloan, G.C.**, LeVan, P.D., & Little-Marenin, I.R. 1996, “Sources of the 13 μ m emission feature associated with oxygen-rich circumstellar dust,” *ApJ*, **463**, 310.
10. Hickman, M.A., **Sloan, G.C.**, & Canterna, R. 1995, “An infrared color-magnitude relationship,” *AJ*, **110**, 2910.

Refereed Publications (continued)

9. **Sloan, G.C.** & Price, S.D. 1995, “Silicate emission at 10 microns in variables on the asymptotic giant branch,” *ApJ*, **451**, 758.
8. **Sloan, G.C.** & Egan, M.P. 1995, “The structure of the dust shells around IRC+10216,” *ApJ*, **444**, 452.
7. **Sloan, G.C.**, Grasdalen, G.L., & LeVan, P.D. 1993, “Spatially resolved spectra of the unidentified infrared features around HD 44179 (the Red Rectangle),” *ApJ*, **409**, 412.
6. **Sloan, G.C.**, Grasdalen, G.L., & LeVan, P.D. 1993, “Spatially resolved spectra of silicate dust around α Orionis,” *ApJ*, **404**, 328.
5. Landau, R., Grasdalen, G., & **Sloan, G.C.** 1992, “Three-beam chopping: an efficient infrared observing technique,” *A&A*, **259**, 696.
4. LeVan, P.D., **Sloan, G.C.**, Little-Marenin, I.R., & Grasdalen, G.L. 1992, “8-14 micron spectroscopy of carbon stars associated with silicate dust,” *ApJ*, **392**, 702.
3. Grasdalen, G.L., **Sloan, G.C.**, & LeVan, P.D. 1992, “Spatial structure in the 10 μ m spectrum of HD 44179 (the Red Rectangle),” *ApJ Letters*, **384**, L25.
2. LeVan, P.D. & **Sloan, G.** 1989, “Ten-micron observations of bright circumstellar shells—spectral properties and a search for extended emission,” *PASP*, **101**, 1140.
1. Grasdalen, G.L., **Sloan, G.**, Stout, N., Strom, S.E., & Welty, A.D. 1989, “Circumstellar gas associated with HL Tauri: evidence for a remnant infalling envelope,” *ApJ Letters*, **339**, L37.

Unrefereed Publications

- Bouchet, P., Gaustad, R., Lagage, P.-O., Kendrew, S., Bombardi, O., Coulais, A., Ronayette, S., **Sloan, G.C.**, Moreau, V., Orduna, T., Gregoire, E., Dyrek, A., Bouwman, J., Glass, A., & Wright, G.S., 2022, “Characterization of the MIRIm double prism assembly at short wavelengths: Implications for transit observations of exoplanets,” *SPIE*, **12180**, 121800Z.
- Sloan, G.C.**, Kraemer, K.E, McDonald, I., & Zijlstra, A.A. 2019, “The end: Witnessing the death of extreme carbon stars,” in *IAU Symposium 343: Why Galaxies Care about AGB Stars: A Continuing Challenge through Cosmic Time*, ed. M. Groenewegen, F. Kerschbaum, H. Olofsson, 305.
- Sloan, G.C.** 2017, “The connection between polycyclic aromatic hydrocarbons and aliphatics,” in *AstroPAH: A Newsletter on Astronomical PAHs*, ed. A. Tielens et al., **37**, 4. (Invited contribution)
- Pagomenos, G.J.S., Bernard-Salas, J., & **Sloan, G.C.** 2017, “Dust and abundances of metal-poor planetary nebulae in the Galactic anti-center,” in *IAU Symposium 323—Planetary nebulae: Multi-wavelength probes of stellar and galactic evolution*, ed. X. Liu, L. Stanghellini, and A. Karakas, 341.

Unrefereed Publications (continued)

- Groenewegen, M.A.T., & **Sloan, G.C.**, 2017, “Mass-loss rates and luminosities of evolved stars in the Magellanic Clouds,” *Mem. Soc. Astron. Ital.*, **88**, 350.
- Sloan, G.C.** 2017, “Dust in planetary nebulae,” in *IAU Symposium 323—Planetary nebulae: Multi-wavelength probes of stellar and galactic evolution*, ed. X. Liu, L. Stanghellini, and A. Karakas, 121. (Invited review)
- Gladkowski, M., Szczerba, R., **Sloan, G.C.**, Lagadec, E., & Volk, K. 2016, “Comparison between 30 micron sources in different galaxies,” *J. of Physics: Conf. Series*, **728**, 062007.
- Sloan, G.C.**, Lagadec, E., Kraemer, K.E., Boyer, M.L., Srinivasan, S., McDonald, I., & Zijlstra, A.A., 2015, “Photometric properties of carbon stars in the Small Magellanic Cloud,” in *Why Galaxies Care About AGB Stars III*, ed. F. Kerschbaum, J. Hron, & R. Wing, *ASP Conf. Series*, **497**, 429.
- Boyer, M.L., McQuinn, K.B.W., Barmby, P., Bonanos, A.Z., Gehrz, R.D., Gordon, K.D., Groenewegen, M.A.T., Lagadec, E., Lennon, D., Marengo, M., Meixner, M., Skillman, E., **Sloan, G.C.**, Sonneborn, G., van Loon, J.Th., & Zijlstra, A.A., 2015, “DUST in Nearby Galaxies with *Spitzer* (DUSTiNGS): An infrared census of extreme AGB stars in nearby dwarf galaxies,” in *Why Galaxies Care About AGB Stars III*, ed. F. Kerschbaum, J. Hron, & R. Wing, *ASP Conf. Series*, **497**, 453.
- Sloan, G.C.**, Lagadec, E., Zijlstra, A.A., Kraemer, K.E., Weis, A.P., Matsuura, M., Volk, K., Peeters, E., Duley, W.W., Cami, J., Bernard-Salas, J., Kemper, F., & Sahai, R. 2014, “The nature of circumstellar hydrocarbons,” *The Life Cycle of Dust in the Universe: Observations, Theory, and Laboratory Experiments*, ed. A. Andersen, M. Baes, H. Gomez, C. Kemper, D. Watson, *Proc. of Science*, **LCDU 2013**, 128.
- Groenewegen, M.A.T., & **Sloan, G.C.** 2014, “Luminosities and mass-loss rates of Local Group AGB stars and Red Supergiants,” *The Life Cycle of Dust in the Universe: Observations, Theory, and Laboratory Experiments*, ed. A. Andersen, M. Baes, H. Gomez, C. Kemper, D. Watson, *Proc. of Science*, **LCDU 2013**, 94.
- Bernard-Salas, J., Cami, J., Jones, A.P., Peeters, E., Micelotta, E.R., Otsuka, M., **Sloan, G.C.**, Kemper, F., & Groenewegen, M. “Interstellar and circumstellar fullerenes,” *The Life Cycle of Dust in the Universe: Observations, Theory, and Laboratory Experiments*, ed. A. Andersen, M. Baes, H. Gomez, C. Kemper, D. Watson, *Proc. of Science*, **LCDU 2013**, 32.
- Lagadec, E., Zijlstra, A.A., **Sloan, G.C.**, Mauron, N., & Matsuura, M. 2011, “Mass-loss from AGB stars in the Local Group: Studying the effect of metallicity,” *Why Galaxies Care about AGB Stars II*, ed. Th. Lebzelter, F. Kerschbaum, & R.F. Wing, *ASP Conf. Series*, **445**, 509.
- Sloan, G.C.**, Zijlstra, A.A., Groenewegen, M.A.T., Lagadec, E., Matsuura, M., Wood, P.R., van Loon, J.Th., & McDonald, I., 2011, “Probing dust production in the Local Group,” *Why Galaxies Care about AGB Stars II*, ed. Th. Lebzelter, F. Kerschbaum, & R.F. Wing, *ASP Conf. Series*, **445**, 503.

Unrefereed Publications (continued)

- McDonald, I., Zijlstra, A.A., **Sloan, G.C.**, & Matsuura, M. 2011, “Metallic iron grains in AGB winds,” *Why Galaxies Care about AGB Stars II*, ed. Th. Lebzelter, F. Kerschbaum, & R.F. Wing, *ASP Conf. Series*, **445**, 241.
- Smolders, K., Blommaert, J., Decin, L., Van Winckel, H., Hony, S., **Sloan, G.**, & the *Spitzer* S-star group 2011, “A *Spitzer* sample of S-type AGB stars,” *Why Galaxies Care about AGB Stars II*, ed. Th. Lebzelter, F. Kerschbaum, & R.F. Wing, *ASP Conf. Series*, **445**, 209.
- Woods, P.M., **Sloan, G.C.**, Gordon, K.D., Shiao, B., Kemper, F., Indebetouw, R., for the SAGE-Spec Team 2011, “SAGE-Spectroscopy: The life-cycle of dust and gas in the Large Magellanic Cloud. Data delivery document v3.0,” arXiv 1108.1715.
- Matsuura, M., **Sloan, G.C.**, Bernard-Salas, J., Volk, K., & Hrivnak, B.J. 2011, “Dust at sub-solar metallicity: The case of post-AGB stars in the Large Magellanic Cloud,” *Proc. of the Asymmetrical Planetary Nebula V Conf.*, ed. A.A. Zijlstra, et al., 97.
- McDonald, I., **Sloan, G.C.**, Zijlstra, A.A., Matsunaga, N., Matsuura, M., Kraemer, K., Bernard-Salas, J., & Markwick, A. 2011, “Rusty old stars: A source of the missing interstellar iron,” *Proc. of the Asymmetrical Planetary Nebula V Conf.*, ed. A.A. Zijlstra, et al., 35.
- Deen, C.P., Keller, L., Chitrakar, N., Ennico, K.A., Jaffe, D.T., Adams, J.D., Greene, T.P., Herter, T., & **Sloan, G.C.** 2010, “Quick-look reduction software for FORCAST grism mode on SOFIA,” *SPIE*, **7735**, 230.
- Keller, L., Deen, C.P., Jaffe, D.T., Ennico, K.A., Greene, T.P., Adams, Joseph D., Herter, T., & **Sloan, G.C.** “Progress report on FORCAST grism spectroscopy as a future general observer instrument mode on SOFIA,” *SPIE*, **7735**, 218.
- Kraemer, K.E., **Sloan, G.C.**, Bernard-Salas, J., Wood, P.R., Price, S.D., Zijlstra, A.A., Egan, M.P., & Houck, J.R. 2009, “IRS spectra of unusual evolved objects in the Magellanic Clouds,” in *The Biggest, Baddest, Coolest Stars*, ed. D. Luttermoser, B.J. Smith, & R.E. Stencel, *ASP Conf. Series*, **412**, 239.
- Zijlstra, A.A., Lagadec, E., **Sloan, G.**, Matsuura, M. 2009, “The AGB superwind in nearby galaxies,” in *The Biggest, Baddest, Coolest Stars*, ed. D. Luttermoser, B.J. Smith, & R.E. Stencel, *ASP Conf. Series*, **412**, 65.
- Sloan, G.C.**, Zijlstra, A.A., Kraemer, K.E., Markwick-Kemper, F., & Leisenring, J.M. 2009, “*Spitzer* spectroscopy of the Magellanic Clouds,” in *The Biggest, Baddest, Coolest Stars*, ed. D. Luttermoser, B.J. Smith, & R.E. Stencel, *ASP Conf. Series*, **412**, 49.
- Sloan, G.C.** 2009, “The production of dust in the Magellanic Clouds,” in *IAU Symp. 256: The Magellanic System: Stars, Gas, and Galaxies*, ed. J.Th. van Loon & J.M. Oliveira, 405 (Cambridge: Cambridge Univ. Press).
- Sloan, G.C.** 2009, “Dust production in metal-poor Local Group galaxies,” in *The Evolving ISM in the Milky Way and Nearby Galaxies: The Fourth Spitzer Science Center Conference*, ed. K. Sheth et al. (web publication).

Unrefereed Publications (continued)

- Lagadec, E., Zijlstra, A.A., **Sloan, G.C.**, Matsuura, M. 2009, “Mass-loss from AGB stars in Local Group galaxies,” in *The Evolving ISM in the Milky Way and Nearby Galaxies: The Fourth Spitzer Science Center Conference*, ed. K. Sheth et al. (web publication)
- Matsuura, M., **Sloan, G.C.**, Bernard-Salas, J., Zijlstra, A.A., Wood, P.R., Whitelock, P.A., Menzies, J.W., Feast, M., Lagadec, E., Groenewegen, M.A.T., Cioni, M.R., van Loon, J.Th., & Harris, G. 2008, “Carbon-rich AGB stars in our Galaxy and nearby galaxies as possible source of PAHs,” in *IAU Symp. 251: Organic Matter in Space*, ed. S. Kwok and S.A. Sandford, 197 (Cambridge: Cambridge Univ. Press).
- 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, 191 (Cambridge: Cambridge Univ. Press).
- Bernard-Salas, J., Peeters, E., Lebouteiller, V., **Sloan, G.C.**, Brandl, B.R., & Houck, J.R. 2008, “A *Spitzer Space Telescope* study of dust features in planetary nebulae and HII regions,” in *IAU Symp. 251: Organic Matter in Space*, ed. S. Kwok and S.A. Sandford, 185 (Cambridge: Cambridge Univ. Press).
- Matsuura, M., Zijlstra, A.A., Wood, P.R., **Sloan, G.C.**, Groenewegen, M.A.T., Lagadec, E., van Loon, J.Th., Whitelock, P.A., Bernard-Salas, J., Menzies, J.W., Cioni, M.-R.L., Feast, M.W., & Harris, G.J. 2008, “AGB stars as an origin of dust and gas in the interstellar medium of galaxies,” in *Origin of Matter and Evolution of Galaxies: The 10th International Symposium on Origin of Matter and Evolution of Galaxies, AIP Conf. Proc.*, **1016**, 383 (Melville, NY: AIP).
- 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).
- Matsuura, M., Zijlstra, A.A., Wood, P.R., **Sloan, G.C.**, Groenewegen, M.A.T., Lagadec, E., van Loon, J.Th., Whitelock, P.A., Bernard-Salas, J., Menzies, J.W., Cioni, M.-R.L., Feast, M.W., & Harris, G.J. 2007, “Molecules and dust grains in AGB stars in nearby galaxies—The influence of metallicities,” in *Unsolved Problems in Stellar Physics: A Conference in Honor of Douglas Gough*, ed. R.J. Stancliffe, G. Houdek, R.G. Martin, & C.A. Tout, *AIP Conf. Proc.*, **948**, 357 (Melville, NY: AIP).
- Bernard-Salas, J., Houck, J.R., Morris, P.W., **Sloan, G.C.**, Pottasch, S.R., & Barry, D.J. 2006, “IRS observations of LMC and SMC planetary nebulae,” in *The Spitzer Space Telescope: New Views of the Cosmos*, ed. L. Armus & W.T. Reach, *ASP Conf. Series*, **357**, 157 (San Francisco: ASP).

Unrefereed Publications (continued)

- Devost, D. & **Sloan, G.C.** 2006, “Behavior of Si:As and Si:Sb detectors in space,” *SPIE*, **6265**, 73.
- Devost, D., Brandl, B.R., Armus, L., Barry, D.J., **Sloan, G.C.**, Charmandaris, V., Spoon, H., Bernard-Salas, J., Houck, J.R. 2005, “The [Ne III]/[Ne II] line ratio in NGC 253,” in *Spectral Energy Distributions of Gas-Rich Galaxies: Confronting Models with Data*, ed. C.J. Popescu & R.J. Tuffs, *AIP Conf. Proc.*, **761**, 429 (Melville, NY: AIP).
- Devost, D., **Sloan, G.C.**, & Ahmed, R. 2004, “Effects of cosmic ray removal on the accumulating signal of the Infrared Spectrograph,” *SPIE*, **5487**, 1425.
- Houck, J.R., et al. (35 authors, including **Sloan, G.C.**) 2004 “The Infrared Spectrograph on the *Spitzer Space Telescope*,” *SPIE*, **5487**, 62.
- Kraemer, K.E., Price, S.D., **Sloan, G.C.**, Walker, H.J., & Shipman, R.F. 2003, “An atlas of full-grating Short Wavelength Spectrometer spectra: classification and processing,” in *Exploiting the ISO Data Archive: Infrared Astronomy in the Internet Age*, ed. C. Gry, S. Peschke, J., Matagne, P. Garcia-Lario, R. Lorente, & A. Salama, *ESA SP-511*, 63 (Noordwijk, The Netherlands: ESA).
- Sloan, G.C.**, Kraemer, K.E., & Price, S.D. 2003, “Calibration issues with data from the ISO-SWS,” in *The Calibration Legacy of the ISO Mission*, ed. L. Metcalfe, A. Salama, S.B. Peschke, & M.F. Kessler, *ESA SP-481*, 447 (Noordwijk, The Netherlands: ESA).
- Kraemer, K.E., **Sloan, G.C.**, & Price, S.D. 2003, “ISO-SWS Calibration issues in different object types,” in *The Calibration Legacy of the ISO Mission*, ed. L. Metcalfe, A. Salama, S.B. Peschke, & M.F. Kessler, *ESA SP-481*, 383 (Noordwijk, The Netherlands: ESA).
- Morris, P.W., Charmandaris, V., Herter, T., Armus, L., Houck, J. & **Sloan, G.** 2003, “Photometric Calibrations for the SIRTf Infrared Spectrograph,” in *The Calibration Legacy of the ISO Mission*, ed. L. Metcalfe, A. Salama, S.B. Peschke, & M.F. Kessler, *ESA SP-481*, 113 (Noordwijk, The Netherlands: ESA).
- Bregman, J., & **Sloan, G.C.** 1996, “PAH emission in the Orion Bar,” in *From Stardust to Planetesimals: Contributed Papers*, ed. M.E. Kress, A.G.G.M. Tielens, & Y.J. Pendleton, *NASA CP-3343*, 121 (Moffett Field, CA: NASA).
- Sloan, G.C.**, Little-Marenin, I.R., & Price, S.D. 1996, “On the classification of infrared spectra from circumstellar dust shells,” in *From Stardust to Planetesimals: Contributed Papers*, ed. M.E. Kress, A.G.G.M. Tielens, & Y.J. Pendleton, *NASA CP-3343*, 65 (Moffett Field, CA: NASA).
- Sloan, G.C.**, Bregman, J., Schultz, A.S.B., Temi, P., & Rank, D.M. 1996, “PAHs as probes of photo-dissociation regions in M17 and the Orion Bar,” in *The Role of Dust in the Formation of Stars*, ed. H.U. Käufel & R. Siebenmorgen, 63 (Berlin: Springer Verlag).
- Sloan, G.C.**, Price, S.D., Little-Marenin, I.R., & LeVan, P.D. 1995, “Silicate and related dust emission in stars on the asymptotic giant branch,” in *Proc. of the Airborne Astronomy Symp. on the Galactic Ecosystem: From Gas to Stars to Dust*, ed. M.R. Haas, J.A. Davidson, & E.F. Erickson, *ASP Conf. Series*, **73**, 425 (San Francisco: ASP).

Unrefereed Publications (continued)

Sloan, G.C., LeVan, P.D., & Tandy, P.C. 1993, *Report on operations of the Air Force Geophysics Laboratory infrared array spectrometer, PL-TR-93-2012* (Hanscom AFB, MA: Phillips Laboratory).

Sloan, G.C. 1992, *Spatially resolved 10 micron spectra of circumstellar material around evolved stars*, Ph.D. Dissertation, University of Wyoming.

LeVan, P.D., **Sloan, G.**, & Grasdalen, G. 1991, “Eight to 14 μ m spectral monitoring of long period variable stars with GLADYS,” in *Astrophysics with Infrared Arrays*, ed. R. Elston, *ASP Conf. Series*, **14**, 130 (San Francisco: ASP).

LeVan, P.D. & **Sloan, G.** 1987, “Calibration and data reduction techniques for the AFGL astronomical infrared array spectrometer,” *SPIE*, **819**, 204.

Select Abstracts

Kraemer, K., Sloan, G.C., Volk, K., Branco, H., Greene, S., Cohen, E., & O’Brien-Pifer, M. 2024, “Updating the mid-infrared spectral databases from IRAS/LRS and ISO/SWS,” *AAS*, **243**, 361.12.

Griffith, T., & Sloan, G. 2024, “Testing the pointing accuracy of target acquisition for the JWST/MIRI Low-Resolution Spectrometer,” *AAS*, **243**, 360.20.

Sloan, G. Kraemer, K., Groenewegen, M.A.T., McDonald, I., Zijlstra, A., Keller, L. 2024 “Mid-infrared period-magnitude relations for Magellanic carbon stars,” *AAS*, **243**, 246.01.

Sewilo, M., Oliveira, J., Fischer, W., Wiseman, J., Indebetouw, R., **Sloan, G.**, Kraemer, K., Kuchar, T., & Jones, O. 2023, “Mid-infrared variability of young stellar objects in the Magellanic Clouds (YSOVAR-MC: The Small Magellanic Cloud,” *AAS*, **242**, 202.09.

Kraemer, K.E., Dauti, D., Kuchar, T., Montiel, E., Ramirez, R., Richter, M., Ryde, N., & **Sloan, G.**, 2023, “Hot water in cool stars: SOFIA observation of M and S stars,” *AAS*, **241**, 367.02.

Kuchar, T., Kraemer, K., Mizuno, D., **Sloan, G.**, Sewilo, M., Jones, O., Kemper, F., McDonald, I., Oliveira, J., & Srinivasan, S. 2023, “SMC-Last point source catalog: Spitzer’s last surey of the Small Magellanic Cloud,” *AAS*, **241**, 362.09.

Sloan, G., Kraemer, K., Keller, L., McDonald, I., Zijlstra, A.A., & Groenewegen, M.A.T. 2023, “Pulsation and the dust dichotomy in Galactic carbon stars: The view from SOFIA,” *AAS*, **241**, 303.17.

Montiel, E., Dittman, J., Nickerson, S., et al. 2023 (27 authors, including **Sloan, G.**), 2023, “Seeing the trees through the forest: Early results from the SOFIA/EXES mid-IR high spectral resolution library,” *AAS*, **241**, 106.17.

Kunz, M., Mullally, S., **Sloan, G.**, & Hermes, J.J. 2021, “Using *TESS* to monitor the *JWST* spectrophotometric standards,” *TESS Science Conference* 2, 126.

Select Abstracts (continued)

- Kraemer, K.E., Engelke, C.W., & **Sloan, G.C.** 2021, “Spitzer IRAC photometry of K giants used as spectro-photometric standards for the IRS,” The 20.5th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun.
- Sloan, G.C.**, & Kraemer, K.E. 2021, “How carbon stars die: The link between pulsations and dust production,” The 20.5th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun.
- Kraemer, K., Cook, T., **Sloan, G.C.**, Beaudoin, C.J., Espallat, C., Finn, S.C., Gatesman, A.J., Goyette, T.M., Hartley, J.M., Kuchar, T.A., Lichtenberger, A.W., Mizuno, D.R., & Weikle, R.M. 2019, “Time-domain astronomy with SOFIA: Results from current observations with FORCAST and prospects with the new proposed instrument S3,” AAS, **233**, 364.09.
- Sloan, G.C.**, Kraemer, K.E., McDonald, I., & Zijlstra, A. 2019, “Estimating the distance to Galactic carbon stars,” AAS, **233**, 341.02.
- Cook, T., Kraemer, K.E., **Sloan, G.C.**, Finn, S.C., & Martel, J. 2019, “A balloon payload for infrared astronomy,” AAS, **233**, 146.23.
- Kraemer, K.E., **Sloan, G.C.**, Keller, L.D., & Groenewegen, M.A.T. 2018, “Observations of Galactic carbon stars with SOFIA/FORCAST and Gaia,” in *The 20th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, ed. S. Wolk, 22.
- Mullen, M.A., Kraemer, K.E., Kuchar, T.A., & **Sloan, G.C.** 2018, “Using the *Kepler* full frame images to find long-period variables in the Milky Way,” AAS, **231**, 146.08.
- Shuping, R., Keller, L.D., Adams, J.D., Petkova, M., Wood, K., Herter, T., **Sloan, G.**, Jaffe, D.T., Greene, T.P., & Ennico, K. 2017, “A full 1-40 micron spectral energy distribution of the Becklin-Neugebauer object: Placing constraints on disk size for a runaway massive young stellar object,” AAS, **229**, 241.12.
- Kraemer, K.E., **Sloan, G.**, & Wood, P. 2016, “Spectra from the IRS of bright oxygen-rich evolved stars in the SMC,” AAS, **228**, 218.05.
- Kraemer, K.E., & **Sloan, G.C.** 2015, “On the nature of bright infrared sources in the Small Magellanic Cloud: Interpreting *MSX* through the lens of *Spitzer*,” AAS, **225**, 342.22.
- Mitchell, M.B., McQuinn, K.B., Boyer, M.L., Skillman, E.D., Gehrz, R.D., **Sloan, G.**, McDonald, I., & Groenewegen, M. 2015, “The radial distribution of asymptotic giant branch stars in nearby dwarf galaxies,” AAS, **225**, 342.20.
- Goes, C., **Sloan, G.C.**, Ramirez, R., Kraemer, K.E., & Engelke, C.W. 2015, “Mid-infrared spectroscopy of M giants from the *Spitzer Space Telescope*,” AAS, **225**, 342.06.
- Sloan, G.C.**, Groenewegen, M., Srinivasan, S., Lagadec, E., Kraemer, K.E., McDonald, I., Boyer, M.L., Zijlstra, A., & Kemper, C. 2015, “Dust and metallicity in carbon stars,” AAS, **225**, 216.04.
- Pauly, T., **Sloan, G.C.**, Kraemer, K.E., Bernard-Salas, J., Lebouteiller, V., Goes, C., & Barry, D. 2015, “The evolution of hydrocarbons past the asymptotic giant branch: The case of MSX SMC 029,” AAS, **225**, 140.36.

Select Abstracts (continued)

- Kraemer, K.E., **Sloan, G.C.**, Clemens, D.P., Lagadec, E., Barry, D.J., Goes, C.W. 2014, “Stellar variability in the M2 and M3 globular clusters,” *AAS*, **224**, 223.11.
- Reel, M., Speck, A., **Sloan, G.C.**, Volk, K. 2014, “An exploration of the dust spectral features of the carbon-rich star V Cyg through time and space,” *AAS*, **223**, 351.05.
- Kraemer, K.E., **Sloan, G.C.**, Lagadec, E., Devost, D., Clemens, D.P., Cashman, L.R., McDonald, I., Boyer, M.L., Zijlstra, A.A. 2013, “Evolved stars and variability in the M5 and M15 globular clusters,” *AAS*, **221**, 250.23.
- Weis, A., **Sloan, G.C.**, Kraemer, K.E., Bernard-Salas, J. 2013, “Infrared spectra of evolved carbon-rich objects and the destruction of carbon-rich dust,” *AAS*, **221**, 249.02.
- Lisse, C.M., Chen, C.H., Wyatt, M.C., Morlok, A., Thebault, P., Bryden, G., Watson, D.M., Manog, P., Sheehan, P., **Sloan, G.**, & Currie, T.M. 2011, “*Spitzer* observations of eta Corvi: Evidence at ~1 Gyr for an LHB-like delivery of organics and water-rich material to the THZ of a Sun-like star,” *LPI*, **42**, 2438.
- Chen, C.H.R., Indebetouw, R., Chu, Y., Gruendl, R., Muller, E., Fukui, Y., Kawamura, A., Testor, G., Gordon, K., Heitsch, F., Leroy, A., Meixner, M., Seale, J., Sewilo, M., **Sloan, G.**, Whitney, B., & SAGE Team 2011, “*Spitzer* view of massive star formation at reduced metallicity environment,” *AAS*, **217**, 258.28.
- Ludovici, D., **Sloan, G.C.**, Barry, D.J., Lebouteiller, V., Bernard-Salas, J., & Spoon, H. W. W. 2011, “Characterization and calibration of the Infrared Spectrograph on the *Spitzer Space Telescope*,” *AAS*, **217**, 254.22.
- Sargent, B.A., Srinivasan, S., Meixner, M., Kemper, F., Tielens, X., Speck, A., Matsuura, M., Bernard, J., Hony, S., Gordon, K., Indebetouw, R., Marengo, M., **Sloan, G.**, Woods, P., & Vijh, U. P. 2010, “The mass loss return from evolved stars to the Large Magellanic Cloud: Oxygen-rich asymptotic giant branch stars,” *BAAS*, **41**, 759.
- Sloan, G.C.**, Kraemer, K.E., & Bernard-Salas, J. 2010, “An infrared spectroscopic survey of the Small Magellanic Cloud,” *BAAS*, **41**, 485.
- Keller, L.D., **Sloan, G.C.**, Zijlstra, A., van Loon, J., & Oliveira, J. 2010, “Spectroscopic study of individual proto-planetary disks observed in the Small Magellanic Cloud,” *BAAS*, **42**, 452.
- Hyatt, J., Keller, L.D., **Sloan, G.C.**, & Geidel, K.L. 2010, “Characteristics of hydrocarbon emission from Herbig Ae/Be stars,” *BAAS*, **41**, 347.
- Riggs, A.J.E., **Sloan, G.C.**, Kraemer, K.E., & Zijlstra, A.A. 2010, “What drives the mass loss from Galactic carbon stars?” *BAAS*, **41**, 276.
- Malsberger, R., Chiar, J.E., Tielens, A.G.G.M., & **Sloan, G.C.** 2009, “Polycyclic aromatic hydrocarbons in interstellar medium dust,” *BAAS*, **41**, 217.

Select Abstracts (continued)

- Sloan, G.C.**, Kraemer, K.E., Zijlstra, A.A., Wood, P.R., Sargent, B., Bernard-Salas, J., Devost, D., & Houck, J.R. 2007, "Infrared spectroscopy of evolved stars in the Magellanic Clouds," *BAAS*, **39**, 870.
- Kraemer, K.E., **Sloan, G.C.**, Zijlstra, A.A., Wood, P.R., Bernard-Salas, J., Devost, D., & Houck, J.R. 2007, "The nature of IRAS 04530-6916," *BAAS*, **39**, 849.
- Egan, M.P., van Dyk, S.D., **Sloan, G.C.**, Kraemer, K.E., & Price, S.D. 2005, "*Spitzer* spectra of 2MASS/MSX selected sources in the Small Magellanic Cloud," *BAAS*, **37**, 1381.
- Chen, C.H., Uchida, K.I., Bohac, C., Leisenring, J., Jura, M., Watson, D.M., Forrest, W.J., Sargent, B.A., **Sloan, G.C.**, Keller, L.D., & Najita, J. 2005, "IRS spectroscopy of dust around nearby, main sequence stars," in *Protostars and Planets V, Proc. of the Conf., LPI Contribution 1286*, 8583 (Houston: LPI).
- Forrest, W.J., Sargent, B., D'Alessio, P., Calvet, N., Furlan, E., Hartmann, L., Uchida, K.I., **Sloan, G.C.**, Chen, C.H., Kemper, F., Watson, D.M., Green, J.D., Kim, K.H., Keller, L.D., Herter, T.L., Brandl, B.R., Houck, J.R., & Najita, J. 2005, "Grain processing in T Tauri disks," in *IAU Symp. 231: Astrochemistry throughout the Universe: Recent Successes and Current Challenges*, ed. D.C. Lis, G.A. Blake, & E. Herbst, 110 (Cambridge, UK: Cambridge Univ. Press).
- Sloan, G.C.**, Herter, T.L., Charmandaris, V., Fajardo-Acosta, S.B., Burgdorf, M., & Armus, L. 2004, "Spectrophotometric standard stars for the Infrared Spectrograph on *Spitzer*," *BAAS*, **36**, 1423.
- Little-Marenin, I.R., **Sloan, G.C.**, & Price, S.D. 2000, "Classification of dust emission features in carbon stars," in *IAU Symp. 177: The Carbon Star Phenomenon*, ed. R.F. Wing, 559 (Cambridge, UK: Cambridge Univ. Press).
- Sloan, G.C.** & Goebel, J.H. 1997, "Spectral emission from oxygen-rich dust as seen by ISO," *BAAS*, **29**, 1287.
- Sloan, G.C.**, Hayward, T.L., Bregman, J.D., & Allamandola, L.J. 1996, "Long-slit mid-infrared spectroscopy of PAH emission in the Orion Bar," *BAAS*, **28**, 1417.
- Bregman, J.D., **Sloan, G.C.**, Schultz, A.S.B., Temi, P., & Rank, D.M. 1995, "PAHs as probes of photodissociation regions: the Orion Bar and M17 SW," *BAAS*, **27**, 1314.
- Roush, T.L., **Sloan, G.C.**, Bell, J.F., III, & Rowland, C.M. 1995, "Thermal infrared spectra of Mars obtained in 1988, 1990, and 1993," *Workshop on Mars Telescope Observations, LPI Technical Report 95-05*, ed. J.F. Bell III & J.E. Moersch 23, (Houston: Lunar and Planetary Institute).
- Rowland, C.M., Roush, T.L., **Sloan, G.C.**, & Bell, J.F., III 1995, "Thermal infrared (7-14 μ m) spectral imaging of Mars," *Abstracts of the Lunar & Planetary Science Conf.*, **26**, 1195.
- Woodward, C.E., Cole, J., Gehrz, R.D., Lawrence, G.F., Greenhouse, M.A., Van Buren, D., & **Sloan, G.** 1993, "IR spectrophotometry of Novae Aquilae 1993 & Ophiuchi 1993," *BAAS*, **25**, 1378.

Select Abstracts (continued)

LeVan, P.D., **Sloan, G.C.**, & Little-Marenin, I.R. 1993, “Sources of the 13 μm feature associated with silicate dust,” *BAAS*, **25**, 877.

Sloan, G.C., Tandy, P.C., Pirger, B.E., & Hodge, T.M. 1993, “Spatial structure in the infrared spectra of three evolved stars,” *BAAS*, **25**, 876.

Sloan, G.C. 1992, “Spatially resolved 10 μm spectra of circumstellar material around evolved stars,” *BAAS*, **24**, 1302.

Sloan, G.C., Grasdalen, G.L., & LeVan, P.D. 1991, “The dust shell around α Orionis,” *BAAS*, **23**, 1386.

LeVan, P.D., **Sloan, G.**, & Grasdalen, G.L. 1990, “Confirmation of silicate feature emission in the carbon star BM Geminorum,” *BAAS*, **22**, 817.

LeVan, P.D., Tandy, P.C., & **Sloan, G.** 1988, “AFGL mosaic array spectrometer—Further measurements of circumstellar shells,” *BAAS*, **20**, 1104.

Select Colloquia, Seminars, and Presentations

Torino XIV AGB Workshop, 13 June, 2024, “Temporal changes in the infrared molecular spectrum of a Magellanic carbon star.”

Baltimore Astronomy on Tap series, 29 May, 2024, “The Universe according to MIRI.” (Public talk)

Observatorio Astronomico di Roma, colloquium, 7 November, 2023, “Carbon stars and dust in the Universe.”

Illuminating the Dusty Universe: A Tribute to the Work of Bruce Draine, 30 October, 2023, “Infrared spectroscopy of carbon-rich dust from the AGB to planetary nebulae.”

North Carolina Astronomy on Tap series, 5 April, 2023, “The flight of the *James Webb Space Telescope*.” (Public talk)

SOFIA Workshop on Evolved Stars and their Circumstellar Environments, 16 December, 2021, “Dust, pulsation, and metallicity in evolved stars.” (Invited review)

NASA Ames Research Center, SOFIA Science Center colloquium, 13 October, 2021, “Carbon stars and dust.”

North Carolina Astronomy on Tap series, 4 May 2021, “Introducing the *James Webb Space Telescope*.” (Virtual public talk)

DELVE: The Death-throes of EvoLved stars, a Virtual Encounter, 15 April, 2021, “The final stages in the lives of carbon stars.”

STScI, JWST Lunch, 9 December, 2020, “The surprising story of infrared spectrophotometric calibration.”

Select Colloquia, Seminars, and Presentations (continued)

Caltech, Celebrating the Legacy of the *Spitzer Space Telescope*, 11 February, 2020, “*Spitzer* spectroscopy of dust formation in the Local Group.”

Boston College, Institute for Scientific Research, colloquium, 26 September, 2019, “Organic dust in the interstellar medium.”

STScI Public Lecture Series, 7 August, 2018, “Ashes to ashes, dust to dust: The fate of stars like the Sun.”

STScI Spring Symposium, The 21st Century H-R Diagram: The Power of Precision Photometry, 23 April, 2018, “Multi-epoch photometry, variability of red giants, and globular clusters.”

American Chemical Society, Astrochemistry Symposium, 20 August, 2017, “Polycyclic aromatic hydrocarbons and related forms of interstellar carbon.” (Invited review)

Science Enabled by Novel Infrared Instrumentation: A Workshop to Honor the Memory of J.R. Houck, 26 June, 2017, “Stellar and circumstellar spectroscopy in other galaxies.” (Invited review)

NASA Ames Research Center, SOFIA Science Center colloquium, 1 February, 2017, “Complex organic molecules from carbon stars to planetary nebulae.”

Univ. of North Carolina at Chapel Hill, seminar, 29 November, 2016, “Cool stellar atmospheres and the spectral calibration of the *Spitzer Space Telescope*.”

Cornell Univ., seminar, 8 April, 2016, “Multi-epoch astronomy and the fates of intermediate-mass stars.”

Northwestern Univ., seminar, 13 November, 2015, “Carbon-rich interstellar dust from fullerenes to aliphatics.”

Cornell Univ., Becker/Rose Cafe, seminar, 18 November, 2015, “Was the trial of Galileo a case of science vs. religion?”

Univ. of Toledo, department colloquium, 12 November, 2015, “The flavors of carbon-rich dust: From aliphatics to fullerenes.”

Univ. of North Carolina at Chapel Hill, seminar, 18 February, 2015, “Dust and metallicity: Stellar dust production in Local Group galaxies.”

Jodrell Bank Centre for Astrophysics, Manchester Univ., department colloquium, 5 November, 2014, “The story of carbon: From carbon stars to aromatic hydrocarbons and fullerenes.”

North Carolina State University, seminar, 22 September, 2014, “The dust budget crisis: Where does the dust in the Magellanic Clouds come from?”

National Radio Astronomy Observatory, Mega-SAGE Meeting, 5 September, 2014, “Infrared spectroscopy of Magellanic carbon stars.”

Select Colloquia, Seminars, and Presentations (continued)

European Week of Astronomy and Space Science, invited talk, 4 July, 2014, “The role of AGB stars in dust production near and far.”

SOFIA Community Tele-talk Series, 26 February, 2014, “Carbon stars and dust production as a function of metallicity.”

Kopernik Obs. Winter Skies, 18 January, 2013, “This thing called science: An astronomer’s perspective.” (Public talk)

Univ. of Texas, department colloquium, 2 October, 2012, “Carbon stars and dust production in the Local Group.”

Univ. of Massachusetts, department colloquium, 27 September, 2012, “Carbon stars and dust production in metal-poor galaxies.”

Space Telescope Science Institute, Workshop on Mass-Loss Return from Stars to Galaxies, 29 March, 2012, “How stars die: Infrared spectroscopy of dusty carbon stars in the Local Group.”

Cornell Univ., department colloquium, 6 October, 2011, “How do stars die? A study of evolved stars in the Local Group.”

Dark Cosmology Centre in Copenhagen, seminar, 6 September, 2011, “The nature of interstellar organics.”

First Symposium at the Nicolaus Copernicus Astronomy Center, 31 August, 2011, “Dust and metallicity.”

Kopernik Observatory, 8 April, 2011, “Cutting-edge astronomy in the 21st century.” (Public talk)

Univ. of Scranton, seminar, 20 April, 2010, “Fun with space astronomy: Why NASA straps telescopes to rockets.”

Colgate Univ., department colloquium, 1 December, 2009, “The *Spitzer* view of dust formation in the Local Group and the distant Universe.”

Wells College, department seminar, 23 October, 2009, “The *Spitzer Space Telescope* and the dusty Universe.”

Univ. of Illinois, department colloquium, 13 October, 2009, “The *Spitzer Space Telescope* and dust in the Local Group.”

Univ. of Wyoming, department colloquium, 18 September, 2009, “Dwarfs, globulars, and the early Universe: Infrared spectroscopy and the role of dust through time.”

Univ. of Colorado at Boulder, seminar, 17 September, 2009, “Complex organics and interstellar processing in and beyond the Galaxy.”

Denver Univ., seminar, 16 September, 2009, “Nearby dwarfs and clues about dust in the early Universe.”

Select Colloquia, Seminars, and Presentations (continued)

Univ. of Rochester, 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.”

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*.”

Kopernik Obs. Winter Star Party, 2 February, 2008, “NASA, Space Astronomy, and the *Spitzer Space Telescope*.” (Public talk)

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

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*.”

Eileen Collins Obs., Corning Community College, 7 April 2006, “Astronomy with the *Spitzer Space Telescope*.” (Public talk)

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.”

Select Colloquia, Seminars, and Presentations (continued)

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.”

Harvard-Smithsonian Center for Astrophysics, seminar, 16 May, 2001, “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.”

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.”

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

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