

**CURRICULUM VITAE
JOANN C. O'LINGER**

Spitzer Science Center
California Institute of Technology, MS 314-6
Pasadena, CA 91125
(626) 395-8684
joanno@ipac.caltech.edu

EDUCATION

1990 B.S. Physics, University of California, Riverside
1997 M.S. Physics, University of California, Riverside
1998 Ph.D., University of California, Riverside

PROFESSIONAL EMPLOYMENT

2000–present Staff Scientist, Spitzer Project, IPAC, Caltech, Pasadena, CA
2001-present Adjunct Faculty, Pasadena City College, Pasadena, CA
1998-2000 JPL Postdoctoral Research Fellow, WIRE Project, IPAC, Caltech, Pasadena, CA
1998-2000 Adjunct Faculty, Riverside Community College, Riverside, CA
1997-1998 Adjunct Faculty, California Baptist College, Riverside, CA
1990-1998 Graduate Research Assistant/Teaching Assistant, Depts. of Physics,
Environmental Science, Engineering, & Institute for Geophysics and Planetary
Physics, University of California, Riverside, CA
1988-1991 Research Assistant, USDA Forest Service, Riverside, CA

RESEARCH INTERESTS

- Mid-infrared observations of young stellar objects and associated disks
- Millimeter observations of protostellar disks and molecular outflows
- Mid-infrared studies of debris disks around main sequence stars
- Studies of YSOs using HRES processing/point-source modeling of IRAS data
- Young brown dwarfs and associated disks/outflows
- Astrobiology

PROFESSIONAL SOCIETIES

American Astronomical Society
American Association for the Advancement of Science

PUBLICATIONS

Refereed Journals

- 2006 **O'Linger, J.**, Cole, D., Ressler, M., & Wolf-Chase, G.,
A Mid-Infrared Study of the Class 0 Cluster in LDN 1448, AJ, 131, 2601
- 2005 Burgdorf, M., Cohen, M., Ingalls, J., Ramirez, S., Rho, J., Stolovy, S., Carey, S.,
Fajardo-Acosta, S., Glaccum, W., Helou, G., Hoard, D., Karr, J., Lowrance, P.,
O'Linger, J., Padgett, D., Reach, W., Rebull, L., Stauffer, J., & Wachter, S.,
The Galactic First-Look Survey with the Spitzer Space Telescope, AdpR, 36, 1050
- 2004 Padgett, D., Rebull, L., Ingalls, J., Noriega-Crespo, A., Carey, S., Stapelfeldt, K., Stauffer,
J., Burgdorf, M., Cole, D., Fajardo-Acosta, S., Frayer, D., Helou, G., Hoard, D., Karr, J.,
Latter, W., Lowrance, P., **O'Linger, J.**, Masci, F., Ramirez, S., Reach, W., Rho, J.,
Stolovy, S., & Wachter, S.
An Aggregate of Young Stellar Disks in Lynds 1228 South, ApJS, 154, 433
- 2004 Ingalls, J., Miville-Deschenes, M.-A., Reach, W., Noriega-Crespo, A., Carey, S.,
Boulanger, F., Stolovy, S., Padgett, D., Burgdorf, M., Fajardo-Acosta, S., Glaccum, W.,
Helou, G., Hoard, D., Karr, J., **O'Linger, J.**, Rebull, L., Rho, J., Stauffer, J., & Wachter, S.
Structure and Colors of Diffuse Emission in the Spitzer Galactic First Look Survey, ApJS,
154, 281
- 2004 Lonsdale, C., Del Carmen Polletta, M., Surace, J., Shupe, D., Fang, F., Xu, C., Smith, H.,
Siana, B., Rowan-Robinson, M., Babbedge, T., Oliver, S., Pozzi, F., Davoodi, P., Owen,
F., Padgett, D., Frayer, D., Jarrett, T., Masci, F., **O'Linger, J.**, Conrow, T., Farrah, D.,
Morrison, G., Gautier, N., Franceschini, A., Berta, S., Perez-Fournon, I., Dole, H., Stacey,
G., Serjeant, S., Pierre, M., Griffin, M., & Puetter, R.,
First Insights into the SWIRE Galaxy Populations, ApJS, 154, 54
- 2005 Lonsdale, C., Smith, H., Rowan-Robinson, M., Surace, J., Shupe, D., Xu, C., Oliver, S.,
Padgett, D., Fang, F., Conrow, T., Franceschini, A., Gautier, N., Griffin, M., Hacking, P.,
Masci, F., Morrison, G., **O'Linger, J.**, Owen, F., Perez-Fournon, I., Pierre, M., Puetter, R.,
Stacey, G., Castro, S., Del Carmen Polletta, M., Farrah, D., Jarrett, T., Frayer, D., Siana,
B., Babbedge, T., Dye, S., Fox, M., Gonzalez-Solares, E., Salaman, M., Berta, S.,
Condon, J., Dole, H., & Sergeant, S.,
SWIRE: the SIRTf Wide-Area Infrared Extragalactic Survey, PASP, 115, 897
- 2001 Xu, C., Lonsdale, C., Shupe, D., **O'Linger, J.**, & Masci, F.,
Models for Multiband IR Surveys, ApJ, 562, 179
- 2000 Wolf-Chase, G., Barsony, M., & **O'Linger, J.**,
Giant Molecular Outflows Powered by Protostars in L1448, AJ, 120, 1467
- 1999 **O'Linger, J.**, Wolf-Chase, G., Barsony, M., & Ward-Thompson, D.,
L1448 IRS2: A HIRES-Identified Class 0 Protostar, ApJ, 515, 696

1998 Barsony, M., Ward-Thompson, D., Andre, P., & **O'Linger, J.**,
Protostars in Perseus: Outflow Induced Fragmentation, ApJ, 509, 733

Conference Proceedings

2006 Barba, S., Garcia, L., McElroy, D., Mittman, D., **O'Linger, J.**, & Tyler, S.
Planning and Scheduling the Spitzer Space Telescope, Proceedings of the
2006 SPIE Conference

2005 **O'Linger, J.**, Wolf-Chase, G., & Moriarty-Schieven, G.,
Star Formation as a Function of Time and Space in LDN 1340
AAS, 207, #184.13

2005 Barsony, M., **O'Linger, J.**, Wolf-Chase, G., Arce, H., Bally, J., Ciardi, D., Cole, D.,
Cotera, A., Froebrich, D., Goodman, A., Hines, D., Haisch, K., Hurt, R., Jarrett, T.,
Moriarty-Schieven, G., Phelps, R., Ressler, M., Sahai, R., Smith, M., Walawender, J.,
Ybarra, J., *Protostellar Outflows in Spitzer Data*, AAS, 207, #63.2

2005 Padgett, D., Lonsdale, C., Stapelfeldt, K., **O'Linger-Luscusk, J.**, & the SWIRE Team
Preliminary Results of the Spitzer SWIRE Brown Dwarf Survey; AAS, 207, #63.42

2005 **O'Linger, J.**, Moriarty-Schieven, G., & Wolf-Chase, G.,
Submillimetre Observations of an Intermediate-Mass Star Forming Core,
in the Proceedings of Protostars and Planets V

2005 Wolf-Chase, G., Smutko, M., Evans, Rh., Harper, D. A., & **O'Linger, J.**
Near-Infrared Observations of High Mass Protostellar Candidates,
in the Proceedings of Protostars and Planets V

2005 Burgdorf, M., **Spitzer Galactic First Look Survey Team**,
The Galactic First-Look Survey with the Spitzer Space Telescope,
Proceedings of the 35th COSPAR Scientific Assembly, p. 2398

2005 Masci, F. & the **SWIRE Team**,
Galaxy Clustering at 24 Microns from Counts in Cells in the SWIRE Survey, in the
Proceedings of "The Spitzer Space Telescope: New Views of the Cosmos"

2005 Onyett, N & the **SWIRE Team**,
*The Bi-Variate 24 micron Luminosity Function of Spectroscopic WIYN Sources from
SWIRE's Lockman Validation Field*, in the Proceedings of "The Spitzer Space Telescope:
New Views of the Cosmos"

2005 Rebull, L. & the **GFLS Team**,
Young Stars in the Galactic First Look Survey, in the
Proceedings of "The Spitzer Space Telescope: New Views of the Cosmos"

2005 Stolovy, S. & the **GFLS Team**,
*Young Stellar Objects Discovered in the Spitzer Galactic First Look Survey Toward
L1188*, in the Proceedings of "The Spitzer Space Telescope: New Views of the Cosmos"

- 2005 Waddington, I. & the **SWIRE Team**,
The IRAC galaxy correlation functions from SWIRE, in the
Proceedings of "The Spitzer Space Telescope: New Views of the Cosmos"
- 2005 **O'Linger, J.**, Wolf-Chase, G., & Moriarty-Schieven, G.,
A Submillimeter Study of the Intermediate-Mass Star-Forming Region in LDN 1340
AAS, 205, #98.03
- 2005 Barba, S., Garcia, L., Levine, D., McElroy, D., Mittman, D., **O'Linger, J.**, & Tyler, S.
Spitzer Space Telescope Observatory Planning and Scheduling Team,
Proceedings of the 2005 IEEE Conference
- 2004 Fajardo-Acosta, S., Burgdorf, M., Cole, D., Glaccum, W., Helou, G., Hoard, D., Karr, J.,
Lowrance, P., **O'Linger, J.**, Padgett, D., Ramirez, S., Reach, W., Rebull, L., Rho, J.,
Stauffer, J., Stolovy, S., & Wachter, S.,
Main Sequence Debris Disks in the Spitzer Galactic First Look Survey, AAS, 204, #62.05
- 2004 Padgett, D., Rebull, L., Noriega-Crespo, A., Carey, S., Stapelfeldt, K., Stauffer, J.,
Burgdorf, M., Cole, D., Fajardo-Acosta, S., Frayer, D., Glaccum, W., Helou, G., Hoard, D.,
Karr, J., Latter, W., Lowrance, P., **O'Linger, J.**, Masci, F., Ramirez, S., Rho, J., Stolovy,
S., Reach, W., & Wachter, S.,
*Spitzer Space Telescope Observations of an Aggregate of Young Stellar Objects in
L1228 South*, AAS, 204, #82.05
- 2004 Rebull, L., Stolovy, S., Karr, J., Ramirez, S., Wachter, S., **O'Linger, J.**, Padgett, D.,
Carey, S., Burgdorf, M., Ingalls, J., Fajardo-Acosta, S., Glaccum, W., Helou, G.,
Hoard, D., Lowrance, P., Noriega-Crespo, A., Reach, W., Rho, J., Stauffer, J.,
Young Stars in the Spitzer Galactic First Look Survey, in the
Proceedings of the "Second TPF/Darwin International Conference"
<http://planetquest1.jpl.nasa.gov/TPFDarwinConf/confProceedings.cfm>
- 2004 Rebull, L., Burgdorf, M., Carey, S., Fajardo-Acosta, S., Glaccum, W., Helou, G., Hoard,
D., Karr, J., Ingalls, J., Lowrance, P., Noriega-Crespo, A., **O'Linger, J.**, Padgett, D.,
Ramirez, S., Reach, W., Rho, J., Stauffer, J., Stolovy, S., & Wachter, S.,
Early Results from the Galactic First Look Survey, AAS, 204, #41.03
- 2004 Rho, J., Carey, S., Reach, W., Pannuti, T., Burgdorf, M., Fajardo-Acosta, S., Glaccum,
W., Helou, G., Karr, J., Lowrance, P., **O'Linger, J.**, Padgett, D., Ramirez, S., Rebull, L.,
Stauffer, J., Stolovy, S., & Wachter, S.,
*Infrared Discovery of New HII Regions and a Possible Supernova Remnant in the Spitzer
Galactic First Look Survey*, AAS, 204, #41.18
- 2004 Siana, B., Smith, H., Lonsdale, C., Gonzalez-Solares, E., Babbedge, T., **SWIRE Team**,
High-Redshift QSO Luminosity Functions with SWIRE, AAS, 205, #143.07
- 2004 Smith, H., Siana, B., Farrah, D., Lonsdale, C., Owen, F., Morrison, G., Polletta, M.,
Surace, J., Shupe, D., Fang, F., Padgett, D., Rowan-Robinson, M., Babbedge, T., **SWIRE
Team**, *Spectroscopy of the Faint SWIRE Galaxy Population*, AAS, 205, #81.03
- 2004 Surace, J., **SWIRE Team**, *Deep and Wide Mid-Infrared Source Counts from the Spitzer
Wide-Area Infrared Extragalactic (SWIRE) Survey*, AAS, 205, #63.03

- 2004 Shupe, D., Lonsdale, C., Polletta, M., Fang, F., Masci, F., Surace, J., Oliver, S., Rowan-Robinson, M., **SWIRE Team**,
Mapping 24 micron galaxy populations across the SWIRE fields, AAS, 205, #63.02
- 2004 Lonsdale, C., Farrah, D., Polletta, M., **SWIRE Team**,
Distant Dusty ULIRGs in the Spitzer Wide-Area InfraRed Extragalactic (SWIRE) Survey, AAS, 205, #63.01
- 2004 Jarrett, T., Fournon, I., Stacey, G., Xu, K., Domingue, D., **SWIRE Team**,
The Spitzer-SWIRE Investigation of the "Tadpole" Galaxy, AAS, 205, #26.04
- 2004 Soifer, B. T., **First Look Survey Team**,
Early Results from the Spitzer First Look Survey, AAS, 204, #33.02
- 2004 Wolf-Chase, G., Harper, A., Evans, R., Smutko, M., **O'Linger, J.**, Cole, D., McMillan, R.,
A Search for Jets Near High Mass Protostars, in Conference Proceedings of "Cores, Disks, Jets & Outflows in Low & High Mass Star Forming Environments: Observations, Theory, and Simulations", Banff, Alberta, Canada
- 2003 Padgett, D., **O'Linger, J.**, Stapelfeldt, K., *et al.*
Prospecting for Brown Dwarfs in SIRTf Legacy Databases, in "Brown Dwarfs, Proceedings of the IAU Symposium 211", held 20-24 May, 2002. Edited by Eduardo L. Martin. IAU Publications, 2003, pp. 515-518
- 2003 Storrie-Lombardi, L., **SIRTf First Look Survey Team**,
The SIRTf First Look Survey: Plans and Early Results, AAS, 203, #22.13
- 2002 **O'Linger, J.** & Wolf-Chase, G.,
A Large-Scale Unbiased Survey for Outflows in Molecular Clouds with Embedded IRAS Sources, EAS Publications Series, Volume 4, "Proceedings of Infrared and Submillimeter Space Astronomy", held 11-13 June, 2001. Edited by M. Giard, J.P. Bernard, A. Klotz, and I. Ristorcelli. EDP Sciences, 2002, pp. 315-318.
- 2001 **O'Linger, J.** & Wolf-Chase, G.,
A Large-Scale Unbiased Survey for Outflows in Molecular Clouds with Embedded IRAS Sources, AAS, 198, #48.07
- 2001 Xu, C., Lonsdale, C., Shupe, D., **O'Linger, J.**, & Masci, F.,
Models for Galaxy Evolution Seen by Multiband IR Surveys, AAS, 198, #54.06
- 2000 Cole, D., **O'Linger, J.**, Resser, M., & Wolf-Chase, G.,
Ground-based Mid-Infrared Imaging of Class 0 Protostars, AAS, 197, #10.01
- 2000 Barsony, M., Wolf-Chase, G., & **O'Linger, J.**,
Giant Molecular Outflows in the L1448 Class 0 Cluster, in "From Darkness to Light: Origin and Evolution of Young Stellar Clusters", Institute d'Etudes Scientifiques, Cargese, Corsica, France
- 1999 Barsony, M., Wolf-Chase, G., & **O'Linger, J.**,
Giant Molecular Outflows Powered by Protostars in L1448, in "Science with The Atacama Large Millimeter Array" Proceedings

- 1998 **O'Linger, J.**, Fowler, J., Laher, R., & Herter, T.,
Applications of the Maximum Correlation Method of Image Reconstruction to the WIRE Mission, BAAS, 30, 1268
- 1998 Wolf-Chase, G., Barsony, M., & **O'Linger, J.**,
Giant Molecular Outflows Associated With Class 0 Protostars, BAAS, 30, 1426
- 1997 **O'Linger, J.**, Wolf-Chase, G., & Barsony, M.,
Putting HIRES to the Test: Simulations and Observations of a Class 0 Object in Perseus, BAAS, 29, 1221
- 1997 Barsony, M., Ward-Thompson, D., Andre, P., & **O'Linger, J.**,
Protostars in Perseus, BAAS, 29, 1361
- 1997 **O'Linger, J.**, Pichler, V., & Jury, W.A.,
Measurements and Modeling of Saturated and Unsaturated Hydraulic Conductivity with Solute Transport Experiments, Agron. Abs. p. 165
- 1997 **O'Linger, J.**, Barsony, M., Ward-Thompson, D., & Andre, P.,
Investigating the Evolutionary Status of Young Stellar Objects in Perseus, GWIS Abstracts
- 1996 **O'Linger, J.**, Barsony, M., Ward-Thompson, D., & Andre, P.,
Classification of Candidate Protostars in Perseus using HIRES Point-Source Modeling, BAAS, 28, 1414
- 1992 O'Neill, T., Ait-Ouamer, F., **Morris, J.**, Tumer, O.T., White, R.S., Zych, A.,
COMPTEL Neutron Response at 17 MeV, in "*Proceedings of the Compton Observatory Workshop*", Goddard Space Flight Center, NASA, p. 109

(NOTE: JoAnn Morris was my name prior to 1995)