

CATHERINE C. ESPAILLAT
Curriculum Vitae

Boston University
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<http://people.bu.edu/cce>

Research Interests Structure and evolution of protoplanetary disks;
planet formation; radiative transfer modeling

Positions ASSISTANT PROFESSOR OF ASTRONOMY 2013 – Present
Boston University

NASA CARL SAGAN FELLOW 2012 – 2013
Harvard-Smithsonian Center for Astrophysics (CfA)

NSF ASTRONOMY AND ASTROPHYSICS POSTDOCTORAL FELLOW 2009 – 2012
Harvard-Smithsonian CfA

Education PH.D., ASTRONOMY & ASTROPHYSICS 2009
University of Michigan

M.S., ASTRONOMY 2005
University of Michigan

B.A., ASTRONOMY 2003
Columbia University

Honors SLOAN RESEARCH FELLOW 2016
Alfred P. Sloan Foundation

KAVLI FELLOW 2016
National Academy of Sciences

NSF CAREER 2015 – 2020
National Science Foundation

CARL SAGAN FELLOW 2012 – 2013
National Aeronautics and Space Administration

NSF ASTRONOMY AND ASTROPHYSICS POSTDOCTORAL FELLOW 2009 – 2012
National Science Foundation

RACKHAM MERIT FELLOW 2003 – 2005
University of Michigan

MELLON MAYS UNIVERSITY FELLOW 2001 – 2009
Woodrow Wilson National Fellowship Foundation

JOHN W. KLUGE SCHOLAR 1999 – 2003
Columbia University

Publications	As of May 2018, H-index of 33 First author of 13 refereed publications Co-author on 54 additional refereed publications see Publication List	
Grants	CONNECTING MASS ACCRETION AND EJECTION IN PRE-MAIN SEQUENCE STARS <i>Hubble Space Telescope & Chandra X-ray Observatory & VLA</i> <i>Hubble Space Telescope 6 orbits & Chandra 35ks & VLA 9.6 hours</i> PI: C. Espaillat	2017
	SLOAN RESEARCH FELLOWSHIP Alfred P. Sloan Foundation PI: C. Espaillat	2016
	FOOTPRINTS OF THE MAGNETOSPHERE: THE STAR-DISK CONNECTION IN T TAURI STARS <i>Hubble Space Telescope, 20 orbits</i> PI: C. Espaillat	2015
	BRIDGING THE GAPS - CONNECTING THEORY AND OBSERVATIONS OF PLANET-FORMING DISKS AND ADDRESSING UNDERREPRESENTED POPULATIONS IN STEM NSF, CAREER PI: C. Espaillat	2015
	EXPLORING THE DUST-GAS CONNECTION IN THE PROTOPLANETARY DISK OF GM AUR <i>Spitzer Space Telescope & Hubble Space Telescope</i> <i>Spitzer 6 hours & Hubble 4 orbits</i> PI: C. Espaillat	2014
	TESTING EUV PHOTOEVAPORATION MODELS IN YOUNG DISKS <i>Hubble Space Telescope, 6 orbits</i> PI: C. Espaillat	2014
	TOWARDS A MULTI-WAVELENGTH VIEW OF PLANET-FORMING CIRCUMSTELLAR DISKS NASA, Carl Sagan Postdoctoral Fellowship PI: C. Espaillat	2012
	A CLEARER VIEW OF DUST EVOLUTION IN PROTOPLANETARY DISKS <i>Herschel Space Telescope, 30 hours</i> PI: C. Espaillat	2010
	PEERING AT THE FIRST STAGES OF PLANET FORMATION: GETTING A CLEARER VIEW OF GRAIN GROWTH, SETTLING, AND CLEARING IN DUSTY DISKS NSF, Astronomy & Astrophysics Postdoctoral Fellowship PI: C. Espaillat	2009
	HOW FAR DOES H ₂ GO: CONSTRAINING FUV VARIABILITY IN THE GASEOUS INNER HOLES OF PROTOPLANETARY DISKS <i>Hubble Space Telescope, 18 orbits</i> Scientific PI: C. Espaillat	2008
	MIND THE GAP: TIMING PLANET FORMATION BY LOOKING IN THE HOLES AND GAPS OF DUSTY DISKS	2008

Spitzer Space Telescope, 5 hours
Science PI: C. Espaillat

PROBING THE PLANET FORMING REGION OF T TAURI STARS IN CHAMAELEON 2007
Hubble Space Telescope, 12 orbits
Science PI: C. Espaillat

PROBING THE GAS IN THE PLANET FORMING REGIONS OF PROTOPLANETARY DISKS 2007
Spitzer Space Telescope & Chandra X-ray Observatory
Spitzer 47 hours & *Chandra* 150ks
Science PI: C. Espaillat

Invited Talks

Conferences are denoted with asterisks.

**Unsolved Problems in Astrophysics and Cosmology, Budapest, HU Jul 1-7 2018
Astronomy Colloquium, U Mass Lowell, Lowell, MA, Apr 25 2018
**SPHEREx Synergies Workshop, Cambridge, MA Jan 30-31 2018
**Exoplanets and Planet Formation, Shanghai, CN, Dec 11 - 15 2017
Astronomy Colloquium, U Rochester, Rochester, NY, Oct 23 2017
Astronomy Colloquium, U Maryland, College Park, MD, Oct 11 2017
Astrophysics Colloquium, MIT, Cambridge, MA, Sep 26 2017
**Chondrules as Astrophysical Objects, Vancouver, CAN, May 9 - 11 2017
Colloquium, NRC Herzberg, Victoria, CAN, Mar 14 2017
Physics & Astronomy Colloquium, U British Columbia, Vancouver, CAN, Mar 13 2017
Colloquium, Kavli Institute for Theoretical Physics, Santa Barbara, CA Mar 9 2017
**Disks, Dynamos and Data, Santa Barbara, CA Feb 6 - 10 2017
Astronomy Department Colloquium, UCSC, Santa Cruz, CA, Jan 11 2017
Astronomy Colloquium, Columbia U, New York, NY, Oct 5 2016
**Star Formation 2016, Exeter, UK, Aug 22 - 26 2016
Astronomy Department Colloquium, Yale University, New Haven, CT, Feb 18 2016
Physics & Astronomy Colloquium, U Toledo, Toledo, OH, Dec 10 2015
Physics & Astronomy Colloquium, Vanderbilt University, Nashville, TN, Nov 3 2015
Astronomy & Astrophysics Colloquium, U Toronto, Toronto, CAN, Oct 9 2015
Colloquium, European Space Astronomy Centre, Madrid, ES, Jul 23 2015
Astronomy Department Colloquium, U Texas, Austin, TX, Apr 21 2015
Astrophysics Colloquium, MIT, Cambridge, MA, Mar 31 2015
**Transition Disks and Planet Formation, Leiden, NL, Mar 2 - 6 2015
Physics & Astronomy Department Colloquium, Amherst College, Amherst, MA, Feb 24 2015
**Revealing the Structure of Protoplanetary Disks, Morelia, MX, Jan 25 - 28 2015
Astronomy Department and IAS Colloquium, Princeton/IAS, Princeton, NJ, Nov 24 2014
**Circumstellar Disks and Planet Formation, U Michigan, Ann Arbor, MI, Oct 12 - 14 2014
**Observations and Modeling of Circumstellar Disks, Puebla, MX, Jun 30 - Jul 11 2014
Planetary Science Seminar, Caltech, Pasadena, CA, May 29 2014
Colloquium, Lowell Observatory, Flagstaff, AZ, Mar 13 2014
Astronomy Department Colloquium, Penn State, State College, PA, Feb 19 2014
Astronomy Department Colloquium, Wesleyan University, Middletown, CT, Apr 24 2013
**Transformational Science with ALMA, NAASC, Hilo, HI, Apr 8-12 2013
Astronomy Department Colloquium, Boston University, Boston, MA, Mar 18 2013
Physics & Astronomy Department Colloquium, Rice University, Houston, TX, Mar 13 2013
Astronomy Department Colloquium, Harvard University, Cambridge, MA, Mar 1 2013
Physics Department Colloquium, University of California, San Diego, CA, Feb 27 2013
Joint UVA and NRAO Astronomy Colloquium, NRAO, Charlottesville, VA, Feb 21 2013
Astronomy Department Colloquium, U Massachusetts, Amherst, MA, Jan 31 2013
Star Formation Seminar, Vanderbilt University, Nashville, TN, Dec 7 2012

Rackham Distinguished Alumni Lecture, U Michigan, Ann Arbor, MI, Oct 18	2012
Astronomy Department Colloquium, U Florida, Gainesville, FL, Sep 5	2012
Astronomy Department Colloquium, UNAM, Morelia, Mexico, Mar 20	2012
**New Quests in Stellar Astrophysics III, Puerto Vallarta, Mexico, Mar 12-16	2012
Department of Astrophysics Seminar, AMNH, New York, NY, Jan 31	2012
Astronomy Department Colloquium, Boston University, Boston, MA, Nov 7	2011
Astronomy Department Colloquium, Yale University, New Haven, CT, Oct 27	2011
**Signposts of Planets, NASA Goddard, Greenbelt, MD, Oct 18-20	2011
**National Society of Black/Hispanic Physicists, Austin, TX, Sep 21-25	2011
**Panchromatic Star Formation, Meeting-in-a-Meeting, AAS, Boston, MA, May 22-26	2011
Cosmos Seminar, U Texas, Austin, TX, Apr 20	2011
Star and Planet Formation Seminar Series, STScI, Baltimore, MD, Jul 12	2010
Astronomy Department Colloquium, UNAM, Morelia, Mexico, Nov 3	2009

Contributed Talks *Conferences are denoted with asterisks.*

**MA-CT Regional Star Formation Meeting, New Haven, CT, Jan 27	2017
**Frontiers in Star Formation, Ann Arbor, MI, Jun 18-19	2015
**International Astronomical Union Symposium 299, Victoria, BC, Jun 2-7	2013
**From Stars to Life, Gainesville, FL, Apr 3-6	2013
**American Astronomical Society, Long Beach, CA, Jan 6-10	2013
Seminar, Princeton University, Princeton, NJ, Nov 28	2012
**Sagan/Michelson Fellows Symposium, Pasadena, CA, Nov 8-9	2012
**American Astronomical Society, Anchorage, AK, Jun 10-14	2012
Seminar, University of Lethbridge, Lethbridge, Canada, May 30	2012
Seminar, Arcetri Observatory, Florence, Italy, May 15	2012
Astrophysics Brown Bag Lunch Talk, MIT, Boston, MA, Nov 21	2011
Seminar, Cerro Tololo International Observatory, La Serena, Chile, Jun 16	2011
FOST Seminar, Observatoire de Grenoble, Grenoble, France, May 13	2011
**Transport Processes in YSOs, Ringberg, Germany, Feb 7-11	2011
**American Astronomical Society, Seattle, WA, Jan 9-13	2011
**NSF AAPF Symposium, Seattle, WA, Jan 8-9	2011
**American Astronomical Society, Washington, D.C, Jan 3-7	2010
**NSF AAPF Symposium, Washington, D.C, Jan 2-3	2010
Radio & Geoastronomy Division Lunch Talk, CfA, Cambridge, MA, Nov 20	2009
**Postdoc Symposium, CfA, Cambridge, MA, Oct 14	2009
**American Astronomical Society, Long Beach, CA, Jan 4-8	2009
Graduate Student Colloquium, UNAM, Morelia, Mexico, Mar 11	2008
**National Society of Black/Hispanic Physicists, Washington, D.C., Feb 20-23	2008
**American Astronomical Society, Austin, TX, Jan 7-11	2008
Seminar, Cerro Tololo International Observatory, La Serena, Chile, Feb 1	2007

Invited Programs	29th Symposium on Kavli Frontiers of Science, National Academy of Sciences, Irvine, CA, Feb 15-17	2018
	Confronting MHD Theories of Accretion Disks with Observations, Kavli Institute for Theoretical Physics, Santa Barbara, CA, Feb 6-Mar 17	2017
	28th Symposium on Kavli Frontiers of Science, National Academy of Sciences, Irvine, CA, Nov 4-6	2016

Teaching Experience	AS725, GRAVITATIONAL ASTROPHYSICS, BOSTON UNIVERSITY <i>Graduate-level course.</i>	Spring 2016
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AS203, PRINCIPLES OF ASTRONOMY II, BOSTON UNIVERSITY <i>Introductory undergraduate-level course for science majors.</i>	Spring 2015/18
AS101, THE SOLAR SYSTEM, BOSTON UNIVERSITY <i>Introductory undergraduate-level course for non-science majors.</i>	Fall 2014/15/16
AS791, SPECIAL TOPICS IN ASTROPHYSICS, BOSTON UNIVERSITY <i>Graduate-level course.</i>	Spring 2014
GRADUATE STUDENT INSTRUCTOR, UNIVERSITY OF MICHIGAN <i>Introductory undergraduate-level labs and discussion sections.</i>	2004 – 2005

Advising Experience	Enrique Macias, Postdoctoral Researcher, Boston University	2016 – Present
	Connor Robinson, Graduate Student, Boston University	2016 – Present
	Sierra Grant, Graduate Student, Boston University	2015 – Present
	Anneliese Rilinger, Graduate Student, Boston University	2017 – Present
	John Wendeborn, Graduate Student, Boston University	2018 – Present
	Alvaro Ribas, Postdoctoral Researcher, Boston University	2015 – 2018
	Sarah Luetzgen, Undergraduate Student, Boston University	Summer 2018
	Caleb Scott-Joseph, Senior Thesis, Boston University Academy	Summer 2018
	Jonah Paasche-Orlow, Kilachand Honors College Thesis, Boston University	2016 – 2018
	Zhexing Li, Graduate Student, Boston University	2017
	Evan Leto, Undergraduate Student, Boston University	2016 – 2017
	Amanda Reveles, Undergraduate Student, Boston University	2016 – 2017
	Adam Rubinstein, REU Summer Student, Boston University	Summer 2017
	Daniel Feldman, Graduate Student, Boston University	2013 – 2016
	Marah Brinjikji, REU Summer Student, Boston University	Summer 2016
	Nathaniel Avish, Summer Student, Boston University	Summer 2015
	Alice Perez, Summer Student, Boston University	Summer 2015
	Matt Rutala, REU Summer Student, Boston University	Summer 2015
	Laura Ingleby, Postdoctoral Researcher, Boston University	2014 – 2015
	Nathaniel Avish, Pre-Majors Program Student, Boston University	Fall 2014
Rachel Schlueter, Pre-Majors Program Student, Boston University	Fall 2014	
Corinne Tu, Senior Undergraduate Thesis, Harvard University	2012 – 2013	
Diana Powell, Junior Undergraduate Thesis, Harvard University	2012 – 2013	
Diana Powell, PRISE Summer Student, Harvard-Smithsonian CfA	2012	
Margaret Landis, REU Summer Student, Harvard-Smithsonian CfA	2012	
Alexander Spatzier, REU Summer Student, Harvard-Smithsonian CfA	2011	
Justin Nieusma, Summer Student, University of Michigan	2009	

Department Service	Interim Director, Institutue for Astrophysical Research, Boston University	2018 – Present
	Director, Graduate Admissions, Boston University Astronomy Department	2017 – Present
	Boston University AURA Member Representative	2017 – Present
	Undergraduate Academic Advisor, Boston University	2014 – Present
	Grader, Graduate Comprehensive Examination	2014 – Present
	Reviewer, <i>Discovery Channel Telescope</i> Time Allocation Committee	2013 – Present
	Dissertation Committee of Eunkyun Han, Boston University	2017 – Present
	Dissertation Committee of Phillip Phipps, Boston University	2016 – Present
	Dissertation Committee of Mark Vvette, Boston University	2016 – Present
	Member, Graduate Admissions, Boston University Astronomy Department	2013 – 2017
	Dissertation Committee of Mark Vvette, Boston University	2015 – 2018
	Dissertation Committee of Jordan Montgomery, Boston University	2014 – 2018
	Dissertation Committee of Christopher Theissen, Boston University	2015 – 2017

	Oral Exam Committee of Sierra Grant, Boston University	2017
	Oral Exam Committee of Eunkyun Han, Boston University	2017
	Oral Exam Committee of Connor Robinson, Boston University	2017
	Dissertation Committee of Sadia Hoq, Boston University	2016
	Dissertation Committee of Dolon Bhattacharyya, Boston University	2015 – 2016
	Dissertation Committee of Lauren Cashman, Boston University	2015 – 2016
	Dissertation Committee of Ewan Douglas, Boston University	2013 – 2016
	Oral Exam Committee of Mark Vyettye, Boston University	2016
	Oral Exam Committee of Phillip Phipps, Boston University	2016
	Dissertation Committee of Patricio Nuñez, Boston University	2013 – 2014
	Oral Exam Committee of Christopher Theissen, Boston University	2014
	Oral Exam Committee of Dolon Bhattacharyya, Boston University	2014
	Coordinator, Radio and Geoastronomy Lunch Talk, CfA	2010 – 2012
University Service	Member, College of Arts and Sciences Writing Board, Boston University	2015 – 2018
	Speaker, GWISE Mentoring Program Kickoff, Boston University, Oct 27	2014, 2015
	Speaker, S.E.T. in the City Kickoff, Boston University, Apr 12	2014
External Service	Organizing Committee, New Horizons in Planetary Systems, May 13 - 17	2018 – Present
	Organizing Committee, Boston Area Exoplanet Science Meeting, Semesterly	2017 – Present
	Topic Coordinator, Planet Formation Imager Science Working Group	2014 – Present
	Reviewer, <i>A&A</i> , <i>ApJ</i> , <i>ApJ Letters</i> , <i>AJ</i> , and <i>MNRAS</i>	2008 – Present
	Organizing Committee, Cool Stars, Jul 29 - Aug 3 2018	2016–2018
	Organizing Committee, 29th Symposium on Kavli Frontiers of Science, Feb 15-17	2016–2018
	Organizing Committee, Accretion in Stellar Systems, Aug 8 - 10 2018	2018
	Chair, MA-CT Regional Star Formation Meeting, Boston, MA, Jan 16	2018
	Organizing Committee, Disks, Dynamos and Data, Feb 6 - 10	2016–2017
	Coordinator, NRAO Live! ALMA Proposal Workshop, Mar 7-8	2016
	Organizing Committee, Frontiers in Star Formation, Jun 18-19	2015
	Session Chair, Frontiers in Star Formation, Jun 18-19	2015
	Session Chair, Transition Disks and Planet Formation, Mar 2-6	2015
	Dissertation Committee of Alvaro Ribas, Universidad Autonoma de Madrid	2015
	Session Chair, The Submillimeter Array: First Decade of Discovery, Jun 9-10	2014
	Chair, NASA IRTF Time Allocation Committee	1 cycle
	Reviewer, NASA IRTF Time Allocation Committee	3 cycles
	Reviewer, <i>ALMA</i> Time Allocation Committee	1 cycle
	Reviewer, <i>Hubble</i> Time Allocation Committee	2 cycles
	Reviewer, Royal Society University Research Fellowships	1 cycle
	Reviewer, <i>Chandra</i> Time Allocation Committee	1 cycle
	Reviewer, NESSF Graduate Fellowship Program	1 cycle
	Reviewer, NSF Astronomy Review Panel	1 cycle
	Member, AAS van Beisbroeck Prize Committee	3 cycles
	External Reviewer, NASA EW Review Panel	3 cycles
	External Reviewer, NASA XRP Review Panel	3 cycles
	Reviewer, NASA XRP Review Panel	1 cycle
Invited Outreach Talks	Speaker, Latino Initiative Summer Seminar, Cambridge, MA, Jul 17	2018
	Panelist, Latino Initiative Discussion on STEM Innovators, Cambridge, MA, Aug 4	2017
	Panelist, Banneker Institute, Harvard-Smithsonian CfA, Cambridge, MA, Jul 17	2015
	Panelist, Vanguard: Conversations with Women of Color in STEM, Boston, MA, Jul 7	2015
	Keynote Speaker, AGEPS Symposium, University of Michigan, Ann Arbor, MI, Mar 20	2015

Speaker, Masters-to-PhD Bridge Program, Vanderbilt University, Nashville, TN, Dec 6 2012
Speaker, L.E.A.D. Conference, Harvard University, Cambridge, MA, Nov 14 2010

**Outreach
Activities**

DIRECTOR, LEAGUE OF UNDERREPRESENTED MINORITIES IN ASTRONOMY (LUMA) 2015 – Present
Founder and director of a peer mentoring program for women of color postdocs and graduate students in Astronomy.

MENTOR, MELLON MAYS MENTORING PROGRAM, 2012 – 2015
WOODROW WILSON NATIONAL FELLOWSHIP FOUNDATION
Mentored two underrepresented minority graduate students.

COORDINATOR, HARVARD COLLEGE WISTEM MENTORS PROGRAM 2009 – 2012
Directed program which paired female graduate and undergraduate students in mentoring relationships. Restructured program and tripled enrollment to over 200. Supervised two undergraduate student interns.

COORDINATOR, NSF-AGEP MENTORING PROGRAM, 2008 – 2009
UNIVERSITY OF MICHIGAN
Coordinated program for 40 underrepresented minority students in STEM. Supervised six graduate student mentors. Mentored two second-year graduate students.

MENTOR, RACKHAM MENTORING PROGRAM, 2006 – 2008
UNIVERSITY OF MICHIGAN
Provided guidance to about 20 first-year graduate students in STEM.

CATHERINE C. ESPAILLAT
Publication List

Below I distinguish authors under my supervision. Postdoctoral researchers are underlined; students are underlined and italicized.

- First-author** 13. AN INCIPIENT DEBRIS DISK IN THE CHAMAELEON I CLOUD
Refereed **C. C. Espaillat**, *Á. Ribas*, M. K. McClure, J. Hernández, J. E. Owen, *N. Avish*, N. Calvet, &
Publications R. Franco-Hernández, 2017, *ApJ*, 844, 60.
12. THE TRANSITIONAL DISK AROUND IRAS 04125+2902
C. Espaillat, S. Andrews, *D. Powell*, *D. Feldman*, C. Qi, D. Wilner, & P. D'Alessio, 2015, *ApJ*, 807, 156.
11. AN OBSERVATIONAL PERSPECTIVE OF TRANSITIONAL DISKS
C. Espaillat, J. Muzerolle, J. Najita, S. Andrews, Z. Zhu, N. Calvet, S. Kraus, J. Hashimoto, A. Kraus & P. D'Alessio, 2014, *Protostars & Planets VI*, University of Arizona Press (2014), eds. H. Beuther, R. Klessen, C. Dullemond, Th. Henning.
10. TRACING HIGH-ENERGY RADIATION FROM T TAURI STARS USING MID-INFRARED NEON EMISSION FROM DISKS
C. Espaillat, L. Ingleby, E. Furlan, M. McClure, *A. Spatzier*, *J. Nieusma*, N. Calvet, E. Bergin, L. Hartmann, J. M. Miller, & J. Muzerolle, 2013, *ApJ*, 762, 62.
9. ON THE TRANSITIONAL DISK CLASS: LINKING OBSERVATIONS OF T TAURI STARS & PHYSICAL DISK MODELS
C. Espaillat, L. Ingleby, J. Hernández, E. Furlan, P. D'Alessio, N. Calvet, S. Andrews, J. Muzerolle, C. Qi, & D. Wilner, 2012, *ApJ*, 747, 103.
8. A *Spitzer* IRS STUDY OF INFRARED VARIABILITY IN TRANSITIONAL AND PRE-TRANSITIONAL DISKS AROUND T TAURI STARS
C. Espaillat, E. Furlan, P. D'Alessio, B. Sargent, E. Nagel, N. Calvet, D. M. Watson, & J. Muzerolle, 2011, *ApJ*, 728, 49.
7. UNVEILING THE STRUCTURE OF PRE-TRANSITIONAL DISKS
C. Espaillat, P. D'Alessio, J. Hernández, E. Nagel, K. L. Luhman, D. M. Watson, N. Calvet, J. Muzerolle, & M. K. McClure, 2010, *ApJ*, 717, 441.
6. A SLOWLY ACCRETING ~ 10 MYR OLD TRANSITIONAL DISK IN ORION OB1A
C. Espaillat, J. Muzerolle, J. Hernández, C. Briceño, N. Calvet, P. D'Alessio, M. McClure, D. M. Watson, L. Hartmann, & B. Sargent, 2008, *ApJL*, 684, L145.
5. CONFIRMATION OF A GAPPED PRIMORDIAL DISK AROUND LKCA 15
C. Espaillat, N. Calvet, K.L. Luhman, J. Muzerolle, & P. D'Alessio, 2008, *ApJL*, 682, L125.
4. WAVELET ANALYSIS OF AGN X-RAY TIME SERIES: A QPO IN 3C 273?
C. Espaillat, J. Bregman, P. Hughes, & E. Lloyd-Davies, 2008, *ApJ*, 679, 182.
3. ON THE DIVERSITY OF THE TAURUS TRANSITIONAL DISKS: UX TAU A & LKCA 15
C. Espaillat, N. Calvet, P. D'Alessio, J. Hernández, C. Qi, L. Hartmann, E. Furlan, & D. M. Watson, 2007, *ApJL*, 670, L135.
2. PROBING THE DUST AND GAS IN THE TRANSITIONAL DISK OF CS CHA WITH SPITZER
C. Espaillat, N. Calvet, P. D'Alessio, E. Bergin, L. Hartmann, D. Watson, E. Furlan, J. Najita, W. Forrest, M. McClure, B. Sargent, C. Bohac, & S. T. Harrold, 2007, *ApJL*, 664, L111.

1. THE HELIUM-RICH CATAclysmic VARIABLE ES CETI
C. Espaillat, J. Patterson, B. Warner, & P. Woudt, 2005, *PASP*, 117, 189.

- Co-author** 54. HERSCHEL PACS OBSERVATIONS OF 4–10 MYR OLD CLASSICAL T TAURI STARS IN ORION
Refereed OB1
Publications K. Maucó, C. Briceño, N. Calvet, J. Hernández, J. Ballesteros-Paredes, O. González, **C. C. Espaillat**, D. Li, C. M. Telesco, J. José Downes, E. Macías, C. Qi, R. Michel, P. D’Alessio, and B. Ali, 2018, *ApJ*, 859, 1.
53. FAR-INFRARED TO MILLIMETER DATA OF PROTOPLANETARY DISKS: DUST GROWTH IN THE TAURUS, OPHIUCHUS, AND CHAMAELEON I STAR-FORMING REGIONS
Á. Ribas, **C. C. Espaillat**, E. Macías, H. Bouy, S. Andrews, N. Calvet, D. A. Naylor, P. Riviere-Marichalar, M. H. D. van der Wiel, & D. Wilner, 2017, *ApJ*, 849, 63.
52. PERIODIC ECLIPSES OF THE YOUNG STAR PDS 110 DISCOVERED WITH WASP AND KELT PHOTOMETRY
H. P. Osborn, J. E. Rodriguez, M. A. Kenworthy, G. M. Kennedy, E. E. Mamajek, C. E. Robinson, **C. C. Espaillat**, D. J. Armstrong, B. J. Shappee, A. Bieryla, D. W. Latham, D. R. Anderson, T. G. Beatty, P. Berlind, M. L. Calkins, G. A. Esquerdo, B. S. Gaudi, C. Hellier, T. W.-S. Holoien, D. James, C. S. Kochanek, R. B. Kuhn, M. B. Lund, J. Pepper, D. L. Pollacco, J. L. Prieto, R. J. Siverd, K. G. Stassun, D. J. Stevens, K. Z. Stanek, & R. G. West, 2017, *MNRAS*, 471, 740.
51. TIME-DEPENDENT MODELS OF MAGNETOSPHERIC ACCRETION ONTO YOUNG STARS
C. E. Robinson, J. E. Owen, **C. C. Espaillat**, & F. C. Adams, 2017, *ApJ*, 838, 100.
50. POLARIZED DISK EMISSION FROM HERBIG AE/BE STARS OBSERVED USING GEMINI PLANET IMAGER: HD 144432, HD 150193, HD 163296, AND HD 169142
J. D. Monnier, T. J. Harries, A. Aarnio, F. C. Adams, S. Andrews, N. Calvet, **C. Espaillat**, L. Hartmann, S. Hinkley, S. Kraus, M. McClure, R. Oppenheimer, M. Perrin, & D. Wilner, 2017, *ApJ*, 838, 20.
49. DM ORI: A YOUNG STAR OCCULTED BY A DISTURBANCE IN ITS PROTOPLANETARY DISK
J. E. Rodriguez, K. G. Stassun, P. Cargile, B. J. Shappee, R. J. Siverd, J. Pepper, M. B. Lund, C. S. Kochanek, D. James, R. B. Kuhn, T. G. Beatty, B. S. Gaudi, D. A. Weintraub, K. Z. Stanek, T. W.-S. Holoien, J. L. Prieto, D. M. Feldman, & **C. Espaillat**, 2016, *ApJ*, 831, 74.
48. SPARSE APERTURE MASKING INTERFEROMETRY SURVEY OF TRANSITIONAL DISCS. SEARCH FOR SUBSTELLAR-MASS COMPANIONS AND ASYMMETRIES IN THEIR PARENT DISCS
M. Willson, S. Kraus, J. Kluska, J. D. Monnier, M. Ireland, A. Aarnio, M. L. Sitko, N. Calvet, **C. Espaillat**, & D. J. Wilner, 2016, *A&A*, 595, A9.
47. THE SPITZER INFRARED SPECTROGRAPH SURVEY OF PROTOPLANETARY DISKS IN ORION A. I. DISK PROPERTIES
K. H. Kim, D. M. Watson, P. Manoj, W. J. Forrest, E. Furlan, J. Najita, B. Sargent, J. Hernández, N. Calvet, L. Adame, **C. Espaillat**, S. T. Megeath, J. Muzerolle, & M. K. McClure, 2016, *ApJS*, 226, 8.
46. IMAGING THE PHOTOEVAPORATING DISK AND RADIO JET OF GM AUR
E. Macías, G. Anglada, M. Osorio, N. Calvet, J. M. Torrelles, J. F. Gómez, **C. Espaillat**, S. Lizano, L. F. Rodríguez, C. Carrasco-González, & L. Zapata, 2016, *ApJ*, 829, 1.
45. CONSTRAINING THE PROPERTIES OF TRANSITIONAL DISKS IN CHAMAELEON I WITH HERSCHEL
Á. Ribas, H. Bouy, B. Merín, G. Duchêne, I. Rebollido, **C. Espaillat**, & C. Pinte, 2016, *MNRAS*, 458, 1029.

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44. YSOVAR: MID-INFRARED VARIABILITY OF YOUNG STELLAR OBJECTS AND THEIR DISKS IN THE CLUSTER IRAS 20050+2720
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