

## Curriculum Vitae of You-Hua Chu

### Address and Telephone Number:

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### Academic Degrees, Granting Institutions, and Dates Granted:

B.S. Physics Dept., National Taiwan University 1975  
Ph.D. Astronomy Dept., University of California at Berkeley 1981

### Professional Employment History:

|                     |                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------|
| 2024 Jan - present  | Chair Research Fellow<br>National Sun Yat-sen University                                   |
| 2024 Jan - present  | Distinguished Visiting Scholar<br>Institute of Astronomy and Astrophysics, Academia Sinica |
| 2014 Jul - 2023 Dec | Distinguished Research Fellow,<br>Institute of Astronomy and Astrophysics, Academia Sinica |
| 2014 Sep - 2020 Aug | Director, Institute of Astronomy and Astrophysics, Academia Sinica                         |
| 2014 Jul - present  | Professor Emerita, University of Illinois at Urbana-Champaign                              |
| 2005 Aug - 2011 Jul | Chair of Astronomy Dept., University of Illinois at Urbana-Champaign                       |
| 1997 Aug - 2014 Jun | Professor, University of Illinois at Urbana-Champaign                                      |
| 1992 Aug - 1997 Jul | Research Associate Professor, University of Illinois at Urbana-Champaign                   |
| 1987 Jan - 1992 Aug | Research Assistant Professor, University of Illinois at Urbana-Champaign                   |
| 1985 Feb - 1986 Dec | Graduate College Scholar, University of Illinois at Urbana-Champaign                       |
| 1984 Sep - 1985 Jan | Lindheimer Fellow, Northwestern University                                                 |
| 1982 May - 1984 Jun | Postdoctoral Research Associate, University of Wisconsin at Madison                        |
| 1981 Oct - 1982 May | Postdoctoral Research Associate, University of Illinois at Urbana-Champaign                |
| 1981 Jun - 1981 Aug | Postdoctoral Research Associate, University of California at Berkeley                      |

### Committees Served:

Proposal Reviews  
International UV Explorer, 13th Episode Proposal Review, Interstellar Panel, 1990  
Hubble Space Telescope, Cycle 3 Proposal Review, ISM Panel, 1992  
ROSAT X-ray Satellite, AO4-6 Proposal Review, 1993-1995  
Cerro Tololo Inter-American Observatory, Telescope Allocation Committee, 1995-1998  
NASA Long-Term Space Astrophysics Proposal Review, 1996  
Chandra Fellowship review, 1998, 2000  
Hubble Space Telescope, Cycle 8 Proposal Review, Stellar Ejecta Panel, 1998  
Chandra X-ray Observatory, Cycle 4 proposal review, Galactic panel, 2002  
Hubble Space Telescope, Cycle 12 Proposal Review, Galactic 1 Panel chair, 2003  
National Science Foundation (NSF), proposal review, ISM panel, 2004  
Spitzer Space Telescope, Cycle 2 proposal review, ISM panel, 2005  
Chandra X-ray Observatory, Cycle 8 proposal review, Stars panel, member, 2006  
Chandra X-ray Observatory, Cycle 9 proposal review, Stars panel, chair, 2007  
Chandra X-ray Observatory, Cycle 11 proposal review, SNR panel, member, 2009  
Chandra X-ray Observatory, Cycle 15 proposal review, Stars panel, chair, 2013  
NASA ADAP proposal review, 2013  
NASA Einstein Fellowship review, 2014  
National Astronomical Observatory of China, TAP++ Key Project Review, 2014  
Hubble Space Telescope, Cycle 23 proposal Review, Panel Chair, TAC, 2015

Chandra X-ray Observatory, Cycle 20 proposal review, Stars panel, chair, 2018  
Hubble Space Telescope, Cycle 30, 31 proposal Review, external reviewer, 2022-2023

Observatory Users Committees

ROSAT X-ray Satellite, Users Committee, 1993-1997  
Chandra Users' Committee, 2001-2004  
NASA XMM-Newton Users Group, 2006-2009  
Hubble Space Telescope, Users Committee, member, 2011-2014

Advisory Committees

Astronomy Planning Committee for the Republic of China, 1992  
Far Ultraviolet Spectroscopic Explorer, Observers Advisory Committee, 1999-2000  
National Science Foundation (NSF), Committee of Visitors, 2002  
Academia Sinica Institute of Astronomy and Astrophysics, Advisory Panel, 2005-2013  
Smithsonian Astrophysical Observatory, Visiting Committee, 2017  
Instituto de Astrofísica de Andalucía - CSIC, External Science Advisory Board, 2019-pres  
National Astronomical Observatory of Japan, International External Review Panel, 2023

Observatory Boards

Gemini International Observatory, Board member, 2010-2012  
East Asian Core Observatories Association (EACOA), Board of Directors, 2014-2020  
Atacama Large Millimeter/Submillimeter Array (ALMA), Board member, 2018-2021

Association of Universities for Research in Astronomy (AURA)

AURA, University Representative of University of Illinois, 2002-2012  
AURA, Observatories Council, 2002-2008  
AURA, Nomination Committee, 2004-2008; chair, 2005-2008

American Astronomical Society (AAS)

AAS Warner/Pierce Award Committee, 1997-1999  
AAS Tinsley Award Committee, 2003-2005; chair, 2005

Astronomical Society of Republic of China (Taiwan)

Astronomical Society of the Republic of China, President, 2014-2020

International Astronomical Union (IAU)

IAU Symposium No. 190, Scientific Organizing Committee, co-chair, 1998  
IAU, Division VI, Organizing Committee, 2003-2009  
IAU, Division VI, vice president 2006-2009  
IAU, Division VI, president 2009-2012  
Asia-Pacific Regional IAU Meeting held in Taipei, Taiwan, Organizer, SOC Chair, 2017  
IAU, Commission G2, Organizing Committee, 2015-2018

International Union of Pure and Applied Physics (IUPAP)

IUPAP, Commission 19, member, 2021-pres

International Award Committee

Shaw Prize Committee, 2023-pres

**Professional and Academic Societies:**

Member, Fellow, American Astronomical Society  
Member, International Astronomical Union  
Member, Astronomical Society of Republic of China  
Member, Fellow, Physical Society of Taiwan

**Research Group:**

**Current Members:**

University of Illinois:

Robert Gruendl (Research Associate Professor) 1999-pres  
Academia Sinica Institute of Astronomy and Astrophysics

Ryoko Ishioka (support scientist) 2018-pres  
National Sun Yat-sen University  
Hsu-Tai Lee (Research Scientist) 2024-pres  
Ryan Chiu (NSYSU undergrad student) 2024-pres  
Joe Su (NSYSU undergrad student) 2024-pres

**Previous Members:**

Jana Bilikova (UIUC PhD thesis student) 2007-2012  
Dominik Bomans (Humboldt Postdoctoral Fellow) 1995-1998  
Wolfgang Brandner (postdoctoral research associate) 1997-1998  
Adeline Caulet (visiting astronomer) 1998-1999, 2007-2010  
Chen-Hung Chen (NCU master student) 2017-2019  
Rosie C.-H. Chen (PhD thesis student, postdoc) 1998-2008  
Bryan Dunne (PhD thesis student) 1999-2007  
Austin Edmister (UIUC undergraduate student) 2012-2015  
Jessica Evans (UIUC PhD thesis student) 2010-2017  
Martin Guerrero (research scientist) 1999-2003  
Guillermo García-Segura (visiting graduate student) 1992-1995  
Eva Grebel (postdoctoral research associate) 1996  
Abigail Holmes (UIUC undergraduate student) 2013-2015  
Sungeun Kim (postdoctoral research associate) 1998-2000  
Hsu-Tai Lee (postdoctoral research associate) 2013-2014  
Chien-Jia Li (NTU graduate student) 2020-2022  
Chuan-Jui Li (NTU PhD thesis student) 2014-2018, (postdoc) 2018-2024  
Ding-Jun Lin (NTU master student) 2017-2019  
Katrina Litke (UIUC undergraduate student) 2013-2015  
Larry Maddox (postdoctoral research associate) 2007-2010  
Gene Magnier (postdoctoral research associate) 1996  
Arturo Manchado (visiting astronomer from IAC, Spain) 1991-1993  
Yael Naze (visiting graduate student) 2001  
Sean Points (UIUC PhD thesis student) 1994-2001  
Wei Sun (visiting graduate student) 2012-2013  
Rebecca Tippens (UIUC undergraduate student) 2013-2014  
Jesus Toala (postdoctoral research associate) 2016-2017  
Kaushar Vaidya (postdoctoral research associate) 2009  
Bart Wakker (postdoctoral research associate) 1993-1994  
Kerstin Weis (visiting graduate student) 1995-1998  
Rosa Murphy Williams (UIUC PhD thesis student) 1993-1999, (research scientist) 2003-2007  
Hui Yang (postdoctoral research associate) 1995  
Ningxiao Zhang (visiting graduate student) 2012

**Courses Taught:**

1996 Spring – Astronomy 100: Perspectives in Astronomy  
1997 Fall - Astronomy 100: Perspectives in Astronomy  
1998 Spring - Astronomy 100: Perspectives in Astronomy  
1998 Fall - Astronomy 100: Perspectives in Astronomy  
1999 Spring - Astronomy 405: Diffuse Matter Astrophysics  
1999 Fall - Astronomy 100: Perspectives in Astronomy  
2000 Spring - Astronomy 305: Astrophysics, II. (Solar System; ISM)  
2000 Fall - Astronomy 100: Perspectives in Astronomy  
2001 Spring - Astronomy 305: Astrophysics, II. (Solar System; ISM)  
2001 Fall - Astronomy 100: Perspectives in Astronomy  
2002 Spring - Astronomy 306: Astrophysics, III. (Galaxies and the Universe)  
2002 Fall - Astronomy 496: X-ray Astronomy  
2003 Spring - Astronomy 305: Astrophysics, II. (Solar System; ISM)  
2004 Fall - Astronomy 404: Stellar Astrophysics  
2005 Spring - Astronomy 405: Solar System and the ISM  
2005 Fall - Astronomy 596: Infrared Astronomy  
2005 Fall - Astronomy 199-DS: Undergraduate Open Seminar  
2005 Fall - Astronomy 199-RI: Undergraduate Open Seminar  
2006 Spring - Astronomy 199-DS: Undergraduate Open Seminar  
2006 Spring - Astronomy 496-RI: Seminar in Astronomy  
2006 Fall - Astronomy 199-DS: Undergraduate Open Seminar  
2006 Fall - Astronomy 199-RI: Undergraduate Open Seminar  
2007 Spring - Astronomy 199-DS: Undergraduate Open Seminar  
2007 Spring - Astronomy 496-RI: Seminar in Astronomy  
2007 Fall - Astronomy 199-RI: Undergraduate Open Seminar  
2008 Spring - Astronomy 199-DS: Undergraduate Open Seminar  
2008 Spring - Astronomy 496-RI: Seminar in Astronomy  
2008 Fall - Astronomy 404: Stellar Astrophysics  
2008 Fall - Astronomy 401: Scientific Writing for Astronomy  
2009 Spring - Astronomy 496-RI: Seminar in Astronomy  
2009 Spring - Astronomy 390: Individual Study  
2010 Spring - Astronomy 405: Solar System and the ISM  
2010 Spring - Astronomy 401: Scientific Writing for Astronomy  
2011 Spring - Astronomy 496-RI: Seminar in Astronomy  
2011 Fall - Astronomy 596-ISM: Interstellar Medium  
2013 Spring - Astronomy 405: Solar System and the ISM  
2013 Spring - Astronomy 401: Scientific Writing for Astronomy  
2013 Fall - Astronomy 404: Stellar Astrophysics  
2013 Fall - Astronomy 401: Scientific Writing for Astronomy  
2014 Spring - Astronomy 596: Method of Astronomy Research  
2015 Fall - Astrophysics 7012: Stellar Astrophysics (National Taiwan University)  
2020 Fall - Astrophysics 7012: Stellar Astrophysics (National Taiwan University)  
2021 Spring - Physics 7061: Diffuse Interstellar Medium (National Taiwan University)  
2021 Fall - Astrophysics 7012: Stellar Astrophysics (National Taiwan University)

## PUBLICATIONS OF YOU-HUA CHU

### A. Articles in Journals

1. Heiles, C., and Chu, Y.-H. 1980, "The Magnetic Field Strength in the H II Region S232," *ApJ*, 235, L105-L109.
2. Chu, Y.-H., and Lasker, B.M. 1980, "Ring Nebulae Associated with Wolf-Rayet Stars in the Large Magellanic Cloud," *PASP*, 92, 730-735. [Erratum: 1981, *PASP*, 93, 163]
3. Heiles, C., Chu, Y.-H., Reynolds, R.J., Yegingil, I., and Troland, T.H. 1980, "A New Look at the North Polar Spur," *ApJ*, 242, 533-540.
4. Chu, Y.-H. 1981, "Galactic Ring Nebulae Associated with Wolf-Rayet Stars. I. Introduction and Classification," *ApJ*, 249, 195-200.
5. Chu, Y.-H., and Treffers, R.R. 1981, "Galactic Ring Nebulae Associated with Wolf-Rayet Stars. III. H II Region-Type Nebulae," *ApJ*, 250, 615-620.
6. Heiles, C., Chu, Y.-H., and Troland, T.H. 1981, "Magnetic Field Strengths in the H II Regions S117, S119, and S264," *ApJ*, 247, L77-L80.
7. Chu, Y.-H., and Treffers, R.R. 1981, "Galactic Ring Nebulae Associated with Wolf-Rayet Stars. II. M1-67: A Nebula Braked by the Interstellar Medium," *ApJ*, 249, 586-591.
8. Treffers, R.R., and Chu, Y.-H. 1982, "Galactic Ring Nebulae Associated with Wolf-Rayet Stars. VII. The Nebula G2.4+1.4," *ApJ*, 254, 132-135.
9. Chu, Y.-H., Gull, T.R., Treffers, R.R., Kwitter, K.B., and Troland, T.H. 1982, "Galactic Ring Nebulae Associated with Wolf-Rayet Stars. IV. The Ring Nebula S308 and its Interstellar Environment," *ApJ*, 254, 562-568.
10. Treffers, R.R., and Chu, Y.-H. 1982, "Galactic Ring Nebulae Associated with Wolf-Rayet Stars. V. The Stellar Wind Blown Bubbles," *ApJ*, 254, 569-577.
11. Chu, Y.-H. 1982, "Galactic Ring Nebulae Associated with Wolf-Rayet Stars. VI. NGC 3199, anon (MR 26), RCW 58, and RCW 104," *ApJ*, 254, 578-586.
12. Chu, Y.-H. 1982, "Ring Nebulae Associated with Wolf-Rayet Stars in the Large Magellanic Cloud. II. Kinematics of DEM 45, 137, 165, 174, and 208," *ApJ*, 255, 79-86.
13. Chu, Y.-H., and Watson, W.D. 1983, "Further Analysis of the Possible Effects of Isotope-Selective Photodissociation on Interstellar Carbon Monoxide," *ApJ*, 267, 151-155.
14. Chu, Y.-H. 1983, "Ring Nebulae Associated with Wolf-Rayet Stars in the Large Magellanic Cloud. III. Kinematics of DEM 39, 231, 240, and 315," *ApJ*, 269, 202-211.
15. Chu, Y.-H. 1983, "The Parabolic-Shaped Nebula around LSS 3027," *PASP*, 95, 873-875.
16. Chu, Y.-H., Treffers, R.R., and Kwitter, K.B. 1983, "Galactic Ring Nebulae Associated with Wolf-Rayet Stars. VIII. Summary and Atlas," *ApJS*, 53, 937-944.
17. Chu, Y.-H., and Daod, N.A. 1984, "Optical Spectra of R136," *PASP*, 96, 999-1006.
18. Chu, Y.-H., Cassinelli, J.P., and Wolfire, M.G. 1984, "Properties of R136a as Derived from its Optical Light Distribution," *ApJ*, 283, 560-565.
19. Chu, Y.-H., Kwitter, K.B., Kaler, J.B., and Jacoby, G.H. 1984, "The Relation between Radius and Expansion Velocity in Planetary Nebulae," *PASP*, 96, 598-602.
20. Crutcher, R.M., and Chu, Y.-H. 1985, "The Optical Interstellar-Line Spectrum of HD 147889," *ApJ*, 290, 251-255.

21. Mathis, J.S., Chu, Y.-H., and Peterson, D. 1985, "Spectrophotometry and Chemical Composition of the 30 Doradus Nebula," *ApJ*, 292, 155-163.
22. Chu, Y.-H., and Kennicutt, R.C., Jr. 1986, "Kinematic Detection of Supernova Remnants in Giant H II Regions," *ApJ*, 311, 85-97.
23. Moffat, A.F.J., Niemela, V.S., Phillips, M.M., Chu, Y.-H., and Seggewiss, W. 1987, "The Wolf-Rayet Population in 30 Doradus and its Surroundings," *ApJ*, 312, 612-625.
24. Walborn, N.R., Lasker, B.M., Laidler, V.G., and Chu, Y.-H. 1987, "The Composite Image of Sanduleak -69 202, Candidate Precursor to Supernova 1987A in the Large Magellanic Cloud," *ApJ*, 321, L41-L44.
25. Chu, Y.-H., Jacoby, G.H., and Arendt, R. 1987, "Multiple-Shell Planetary Nebulae. I. Morphologies and Frequency of Occurrence," *ApJS*, 64, 529-544.
26. Chu, Y.-H., and Kennicutt, R.C., Jr. 1988, "Echelle Observations of Supernova Remnants in the Magellanic Clouds," *AJ*, 95, 1111-1121.
27. Kennicutt, R.C., Jr., and Chu, Y.-H. 1988, "Giant H II Regions and the Formation of Populous Star Clusters," *AJ*, 95, 720-730.
28. Chu, Y.-H. 1988, "Small-Scale Kinematic Structures in Ring Nebulae around Wolf-Rayet Stars," *PASP*, 100, 986-992.
29. Kaler, J.B., Chu, Y.-H., and Jacoby, G.H. 1988, "The Highly Enriched Planetary Nebula BV-1," *AJ*, 96, 1407-1414.
30. Chu, Y.-H., and Kennicutt, R.C., Jr. 1988, "Environments and Populations of Supernova Remnants in the Large Magellanic Cloud," *AJ*, 96, 1874-1883.
31. O'Dell, C.R., Weiner, L.D., and Chu, Y.-H. 1990, "A Kinematic Determination of the Structure of the Double Ring Planetary Nebula NGC 2392, The Eskimo," *ApJ*, 362, 226-234.
32. Chu, Y.-H., and Mac Low, M.-M. 1990, "X-Rays from Superbubbles in the Large Magellanic Cloud," *ApJ*, 365, 510-521.
33. Garnett, D.R., Kennicutt, R.C., Jr., Chu, Y.-H., and Skillman, E.D. 1991, "He II Emission in Extragalactic H II Regions," *ApJ*, 373, 458-464.
34. Garnett, D.R., Kennicutt, R.C., Jr., Chu, Y.-H., and Skillman, E.D. 1991, "H II Regions with He II Emission," *PASP*, 103, 850-852.
35. Chu, Y.-H., Manchado, A., Jacoby, G.H., and Kwitter, K. 1991, "The Multiple-Shell Structure of the Planetary Nebulae NGC 6751," *ApJ*, 376, 150-160.
36. Chu, Y.-H., Kennicutt, R.C. Jr., Schommer, R.A., and Laff, J. 1992, "30 Dor B: A Supernova Remnant in a Star Formation Region," *AJ*, 103, 1545-1551.
37. Miller, G.J. and Chu, Y.-H. 1993, "A New Survey of Nebulae around Galactic Wolf-Rayet Stars in the Northern Sky," *ApJS*, 85, 137-143.
38. Chu, Y.-H., Kwitter, K.B., and Kaler, J.B. 1993, "Diffuse X-ray Emission from the Dumbbell Nebula?" *AJ*, 106, 650-655.
39. Chu, Y.-H., Mac Low, M.-M., Garcia-Segura, G., Wakker, B., and Kennicutt, R.C. 1993, "Hidden Supernova Remnants in the LMC HII Complex N44," *ApJ*, 414, 213-218.
40. Garnett, D.R., Chu, Y.-H., and Dopita, M.A. 1993, "A New Wolf-Rayet Ejecta Shell in the LMC," *Revista Mexicana de Astronomía y Astrofísica*, 27, 141-144.

41. Chu, Y.-H. and Kennicutt, R.C. 1994, "Kinematic Structure of the 30 Doradus Giant HII Region," *ApJ*, 425, 720-737.
42. Dickel, J.R., Milne, D.K., Kennicutt, R.C., Chu, Y.-H., and Schommer, R.A. 1994, "The Structure and Extinction of 30 Doradus and the Nearby SNR N157B as Measured by Comparison of Radio and Optical Images", *AJ*, 107, 1067-1072.
43. Garnett, D. R. and Chu, Y.-H. 1994, "A New Ejecta Shell Surrounding a Wolf-Rayet Star in the LMC," *PASP*, 106, 626-631.
44. Marston, A.P., Chu, Y.-H., and Garcia-Segura, G. 1994, "A Survey of Nebulae around Galactic Wolf-Rayet Stars in the Southern Sky," *ApJS*, 93, 229-232.
45. Dopita, M. A., Bell, J. F., Chu, Y.-H., and Lozinskaya, T. A. 1994, "An Atlas of the Interstellar Environment of Wolf-Rayet Stars in the Magellanic Clouds," *ApJS*, 93, 455-463.
46. Chu, Y.-H. and Kennicutt, R. C. 1994, "Internal Motions of HII Regions and Giant HII Regions," *Astrophys. and Space Science*, 216, 253-262.
47. Marston, A.P., Yocum, D.R., Garcia-Segura, G., and Chu, Y.-H. 1994, "A Survey of Nebulae around Galactic Wolf-Rayet Stars in the Southern Sky - II," *ApJS*, 95, 151-155.
48. Smith, R.C., Chu, Y.-H., Mac Low, M.-M., Oey, M.S., and Klein, U. 1994, "Two New Supernova Remnants in OB Associations in the Large Magellanic Cloud," *AJ*, 108, 1266-1275.
49. Chu, Y.-H., Wakker, B., Mac Low, M.-M., and Garcia-Segura, G. 1994, "Ultraviolet Interstellar Absorption Lines in the LMC: Searching for Hidden SNRs," *AJ*, 108, 1696-1721.
50. Williams, R.M. and Chu, Y.-H. 1995, "X-Ray Emission from Giant HII Regions in M101," *ApJ*, 439, 132-144.
51. Chu, Y.-H., Dickel, J.R., Staveley-Smith, L., Osterberg, J., and Smith, R.C. 1995, "The Honeycomb Supernova Remnant," *AJ*, 109, 1729-1734.
52. Dickel, J.R., Chu, Y.-H., Gelino, C., Beyer, R., Burton, M.G., Milne, D.K., Spyromilio, J., Green, D.A., Wilkinson, C., and Junkes, N. 1995, "Negative Search for a Counterpart to the Gamma-Ray Repeater Source 0525-66," *ApJ*, 448, 623-627.
53. Chu, Y.-H. and Ho, C.-H. 1995, "Diffuse X-ray Emission from the Hydrogen-Deficient Planetary Nebula Abell 30," *ApJ Letters*, 448, L127-130.
54. Chu, Y.-H., Chang, H.-W., Su, Y.-L., and Mac Low, M.-M. 1995, "X-Rays from Superbubbles in the Large Magellanic Cloud. III. X-ray Dim Superbubbles," *ApJ*, 450, 157-162.
55. Hutchings, J.B., Crampton, D., Cowley, A.P., Schmidtke, P.C., McGrath, T.K., & Chu, Y.-H. 1995, "An X-Ray Selected White Dwarf + M Dwarf Binary: RX J0458.9-6628," *PASP*, 107, 931-936.
56. Magnier, E.A., Walters, L.B.F.M., Kuan, Y.-J., Chu, Y.-H., Taylor, A.R., Matthews, H.E., and Martin, E.L. 1996, "A Bipolar-Outflow Object in the Field of M36," *A&A*, 305, 936-943.
57. Yang, H., Chu, Y.-H., Skillman, E.D., and Terlevich, R. 1996, "The Violent Interstellar Medium of NGC 604," *AJ*, 112, 146-163.

58. Magnier, E.A., Chu, Y.-H., Points, S.D., Hwang, U., and Smith, R.C. 1996, "X-Rays from Superbubbles in the Large Magellanic Cloud. IV. The Blowout Structure of N44," *ApJ*, 464, 829-835.
59. Boroson, B., McCray, R., Oelfke, C., Slavin, J., Mac Low, M.-M., Chu, Y.-H., and Van Buren, D. 1997, "Absorption Lines in a Wolf-Rayet Ring Nebula Observed at High S/N with the GHRS," *ApJ*, 478, 638-647.
60. Brandner, W., Grebel, E.K., Chu, Y.-H., and Weis, K. 1997, "Ring Nebula and Bipolar Outflows Associated with the B1.5 Supergiant Sher #25 in NGC 3603," *ApJ*, 475, L45-48.
61. Williams, R.M., Chu, Y.-H., Dickel, J.R., Beyer, R., Petre, R., Smith, R.C., Milne, D.K. 1997, "Supernova Remnants in the Magellanic Clouds I: The Colliding Remnants DEM L 316," *ApJ*, 480, 618-632.
62. Weis, K., Duschl, W.J., Bomans, D.J., Chu, Y.-H., and Joner, M.D. 1997, "The Bipolar Structure of the LBV Nebula around HR Car," *A&A*, 320, 568-574.
63. Bomans, D.J., Chu, Y.-H., and Hopp, U. 1997, "Hot Interstellar Gas in the Irregular Galaxy NGC 4449," *AJ*, 113, 1678-1690.
64. Chu, Y.-H., Kennicutt, R.C., Snowden, S.L., Smith, R.C., Williams, R.M., and Bomans, D.J. 1997, "Uncovering a Supernova Remnant Hidden Near LMC X-1," *PASP*, 109, 554-558.
65. Chu, Y.-H. 1997, "Supernova Remnants in OB Associations," *AJ*, 113, 1815-1832.
66. Chu, Y.-H., Chang, T.H., and Conway, G.M. 1997, "High-Resolution X-ray Image of the Hydrogen-Deficient Planetary Nebula Abell 30," *ApJ*, 482, 891-896.
67. Guerrero, M.A., Manchado, A., and Chu, Y.-H. 1997, "A Study of the Chemical Abundances and Kinematics of the Ring Nebula and Its Haloes," *ApJ*, 487, 328-345.
68. Weis, K., Chu, Y.-H., Duschl, W.J., and Bomans, D.J. 1997, "Two Ring Nebulae around Blue Supergiants in the Large Magellanic Cloud," *A&A*, 325, 1157-1162.
69. Brandner, W., Chu, Y.-H., Eisenhauer, F., Grebel, E.K., and Points, S.D. 1997, "The Hourglass Nebulae of Sher 25 and SN 1987 A: Two of a Kind?" *ApJ*, 489, L153-L156.
70. Chu, Y.-H., Snowden, S.L. 1998, "ROSAT HRI Survey of the Large Magellanic Cloud," *AN*, 319, 101-104.
71. Mac Low, M.-M., Chang, T.H., Chu, Y.-H., Points, S.D., Smith, R.C., and Wakker, B. 1998, "X-rays from Superbubbles in the Large Magellanic Cloud. V. The HII Complex N11," *ApJ*, 493, 260-273.
72. Chu, Y.-H. 1998, "Multi-Wavelength View of the Interstellar Medium in the Large Magellanic Cloud," *PASA*, 15, 136-140.
73. Wakker, B., Howk, J.C., Chu, Y.-H., Bomans, D., Points, S.D. 1998, "Coronal C<sup>+3</sup> in the Large Magellanic Cloud: Evidence for a Hot Halo," *ApJL*, 499, L87-L91.
74. Kim, S., Chu, Y.-H., Staveley-Smith, L., Smith, R.C. 1998, "The Multi-Phase Medium in the Interstellar Complex N44," *ApJ*, 503, 729-743.
75. Chu, Y.-H., Gruendl, R.A., and Conway, G.M. 1998, "ROSAT X-ray Observations of Two Planetary Nebulae: NGC 1535 and NGC 3587," *AJ*, 116, 1882-1885.
76. Chu, Y.-H., Caulet, A., Montes, M. J., Panagia, N., Van Dyk, S. D., Weiler, K. W. 1999, "Detection of Pre-Shock Dense Circumstellar Material of SN 1978K," *ApJ*, L51-L54.

77. Garnett, D. R., Walsh, J. R., Chu, Y.-H., Lasker, B. M. 1999, "Bok Globules in the LMC," *AJ*, 117, 1285-1291.
78. Chu, Y.-H., Weis, K., Garnett, D. R. 1999, "Physical Structure of Small Wolf-Rayet Ring Nebulae," *AJ*, 117, 1433-1440.
79. Williams, R.M., Chu, Y.-H., Dickel, J.R., Smith, R.C., Milne, D.K., Winkler, P.F. 1999, "Supernova Remnants in the Magellanic Clouds II: SNR Breakouts from N11L and N86," *ApJ*, 514, 798-817.
80. Williams, R. M., Chu, Y.-H., Dickel, J. R., Petre, R., Smith, R. C., Tavarez, M. 1999, "Supernova Remnants in the Magellanic Clouds III: An X-ray Atlas of LMC Supernova Remnants," *ApJS*, 123, 467-485.
81. Points, S.D., Chu, Y.-H., Kim, S., Smith, R.C., Snowden, S.L., Brandner, W., Gruendl, R.A. 1999, "The Supergiant Shell LMC2: I. Kinematics and Physical Conditions," *ApJ*, 518, 298-323.
82. Weis, K., Duschl, W.J., Chu, Y.-H. 1999, "The Nature of Strings in the Nebula around Eta Carinae," 1999, *A&A*, 349, 467-474.
83. Chu, Y.-H. 1999, "Morphology and Physical Structure of the Interstellar Medium," *Ap&SS*, 269, 441-458.
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