

CURRICULUM VITAE

Kwok-Yung Lo

1. Personal Information:

Date of Birth: October 19, 1947
Place of Birth: Nanking, China
Marital Status: Married to Helen Chen, Jan. 1, 1973
Children: 2 boys (born Sept. 1976 and Sept. 1982)
Citizen: U.S.A.

2. Education:

S.B., Physics, 1969, MIT
Ph.D., Physics, 1974, MIT

3. Professional Experience:

Research Fellow in Radio Astronomy, Caltech (1974-1976);
Miller Fellow for Basic Research in Science, U. C. Berkeley (1976-1978);
Assistant Research Astronomer, Radio Astronomy Lab, U. C. Berkeley (1978);
Senior Research Fellow in Radio Astronomy, Caltech (1978-1980);
Assistant Professor of Radio Astronomy, Caltech (1980-1986);
Astronome Titulaire, Paris Observatory, France (1984, Aug. - Sept.);
Visiting Lecturer, Astronomy Dept., University of Minnesota (1985, May);
Visiting Astronomer, Onsala Space Observatory, Sweden (1985, June);
Participant, "Program on Star Formation," Institute for Theoretical Physics,
University of California at Santa Barbara (1985, December);
Professor of Astronomy, University of Illinois at Urbana-Champaign (1986-2000);
James Clerk Maxwell Telescope Fellow, Institute for Astronomy, University of
Hawaii, (1991, July - September);
ROC National Science Council Guest Professor, Academia Sinica Institute of
Astronomy and Astrophysics, (1994, Jan. - April);
Visiting Professor, Ecole Normale Supérieure (1994, May - June);
Alexander von Humboldt Senior Scientist, Max Planck Institut für extraterretrische
Physik (1994, June - December);
Chairman of Astronomy Department, University of Illinois (1995-1997);
Director, Institute of Astronomy and Astrophysics, Academia Sinica, (1997-2002)
Distinguished Research Fellow, Institute of Astronomy and Astrophysics, Academia
Sinica, (1997- 2002);
Professor of Physics, National Taiwan University (1998- 2002);
Director, and Distinguished Astronomer with Tenure, National Radio Astronomy

Observatory, (2002- present);
Research Professor of Astronomy, University of Virginia (2004- present).

4. Research Experience:

Main Interests: The Galactic Center, Starburst and Active Galactic Nuclei, Circumnuclear Maser, Dwarf Galaxies and Intergalactic HI, Cosmic Microwave Background Radiation, High Redshift Galaxies; Precision Hubble Constant Determination.

Observational Expertise: Radio Astronomy, Spectroscopy, Aperture Synthesis, Millimeter-wave Interferometry, Very Long Baseline Interferometry.

5. Honors:

Miller Fellow for Basic Research in Science, University of California at Berkeley, 1976-1978;

Associate, Center for Advanced Study, University of Illinois, 1991-1992;

Alexander von Humboldt Research Award, 1994-1995;

Distinguished Research Fellow, Academia Sinica, 1996- 2002;

Academician, Academia Sinica, elected 1998;

Fellow, Chinese Physical Society, elected 2000;

Fellow, American Association for the Advancement of Science, inducted 2007.

6. Professional Societies:

American Astronomical Society;

International Union of Radio Science;

International Astronomical Union;

American Association for Advancement of Science.

7. Committees and Panels:

National Radio Astronomy Observatory (NRAO) Very Large Array Proposal Review Panel, 1980-1982;

NRAO Users' Committee, 1983-1985;

VLB Network Proposal Review Panel, 1984-1986;

NRAO Scientific Advisory Committee on the National Millimeter Array, 1985-1987;

NRAO Advisory Committee, the National Millimeter Array, 1987;

NASA Astrophysics Data Program Proposal Review Panel for IRAS, 1988;

NRAO Very Large Array Proposal Review Panel, 1987-1989;

National Science Foundation (NSF) Site Review Panel for the Haystack Observatory, 1988;

NSF Site Review Panel for the Five College Radio Astronomy Observatory, 1988;
 Illinois Space Institute Proposal Review Panel, 1988;
 NASA Astrophysics Data Program Proposal Review Panel Chair, 1989;
 NRAO Green Bank Telescope Design Workshop, 1989;
 NRAO National Millimeter Array Proposal Workshop, 1989;
 NASA Long Term Space Astrophysics Research Program Review Panel, 1989;
 NRAO National Millimeter Array Advisory Committee, 1991;
 Chairman, Visiting Committee, Haystack Observatory, 1999, 1992;
 Co-chairman, Planning Committee of National Astronomy Observatory of Taiwan,
 ROC, 1990-1992;
 Advisory Committee of the National Millimeter-wave Array of the National Radio
 Astronomy Observatory, 1993-1994;
 Advisory Panel of the Institute of Astronomy and Astrophysics of the Academia
 Sinica, Taiwan, ROC, 1993-1996;
 Associated Universities, Inc., Visiting Committee for the National Radio Astronomy
 Observatory, 1994-1997;
 Advisory Board of the National Center of Supercomputers Applications, 1996-1999;
 Australia Telescope National Facility Steering Committee, 1999-2001;
 NASA SIRTf Legacy Proposal Review Panel and Time Assignment Committee,
 2000
 Member, Selection Committee for Taiwan-France Science & Technology Award,
 2000-2001;
 Member, editorial Board, Chinese Journal of Astronomy & Astrophysics, 2001-;
 Advisory Committee for Astro- and Geo-Sciences, Ministry of Education, Taiwan, R.
 O. C. , 2001-;
 Chair, Selection Committee for Physical Sciences, Presidential Science Prize,
 Taiwan, R. O. C., 2001;
 Member, Academia Sinica Institute of Atomic and Molecular Sciences Director
 Search Committee, 2001;
 Member, Editorial Board, International Journal of Modern Physics D, 2001-;
 Chair, Taiwan National Space Program Office Advisory Panel, 2002- 2003;
 Co-chair, Planning Committee of the Second Ten-year Astronomy Development in
 Taiwan, 2001-2002.
 Chair, Advisory Panel, Academia Sinica Institute of Astronomy and Astrophysics,
 2002- ;
 Member, Daniel Heineman Prize Committee, 2003-2006;
 Member, Selection Committee for Physical Sciences, Presidential Science Prize,
 Taiwan, R.O.C., 2004;
 Member, Michelson Science Center Oversight Committee, NASA, 2004-2007;
 Member, Max-Planck Institute for Radioastronomy International Scientific Advisory
 Board, 2005-2010;
 Reviewer, Feasibility Study Phase of the Cornell-Caltech Atacama Telescope, 2006;
 Chair, International Review Committee of the Five Hundred meter Astronomical
 Spherical Telescope (FAST) Project, Chinese Academy of Sciences, March-April,
 2006;
 Astrophysics Subcommittee (APS) of the NASA Advisory Council (NAC); 2006-

present;
ALMA Board, North American Assessor, 2005- present;
ALMA Budget Committee, 2006- present.

8. Science Organizing Committees:

Workshop on “The Galactic Center,” held at Caltech, January 7-8, 1982;
Workshop on “The Galactic Center,” held at Caltech, January 13, 1984;
International Astronomical Union (IAU) Symposium No. 136: “The Galactic Center,” held at UCLA, July 25-26, 1988;
Conference on “Gravitational Lenses,” held in honor of Bernard Burke’s 60th birthday, on June 20, 1988 at MIT;
IAU Symposium 146, “Galaxy Dynamics and Molecular Observations,” 1989;
Co-chair, “Taipei Astrophysical Workshop on the relationships between Active Galactic Nuclei and Starburst Galaxies,” 1990-1991;
Ringberg Conference on “Nuclei of Normal Galaxies: Lessons from the Galactic Center,” 1992;
“21st Century Chinese Astronomy Conference,” held at the University of Hong Kong, July 31 - August 4, Hong Kong, 1996;
“Dwarf Galaxies and Cosmology,” 1998 Moriond Astrophysics meeting at Les Arcs, March 14-21, 1998;
International Advisory Committee, “Role of Physics in the New Millennium: Research, Education & Society,” held at the Chinese University of Hong Kong, July 31 - August 4, 2000;
Chair, the 8th Taipei Astrophysics Workshop on “AmiBA 2001: High-z Clusters, Missing Baryons, and CMB Polarization,” Taipei & Hualien, June 11-15, 2001
International Workshop on “Background Polarized Emission from Radio to Microwave Wavelengths,” Bologna, Italy, October 2001;
Workshop on “Large Amplitude Variable Stars and their Circumstellar Space,” to be held in Sendai (Tohoku University), May 2002;
Asia-Pacific Regional Meeting of the IAU, Tokoyo, July 2002;
Convenor, Session on “Post-COBE Studies of the Cosmic Microwave Background,” URSI General Assembly in Maastricht, August 2002;
Co-chair, “Star Formation Workshop 2002: Magnetohydrodynamics, Radiation Diagnostics and Chemistry of Star Formation,” held in Taipei and Taroko Gorge, Taiwan, June 12-16, 2002;
“Future Directions in High Resolution Astronomy: A Celebration of the 10th Anniversary of the VLBA,” Socorro, New Mexico, June 9-12, 2003;
“Exploring the Cosmic Frontier, Astrophysical Instruments for the 21st Century,” Berlin, Germany, May 18-21, 2004;
“Frontiers of Astrophysics: Astrophysics Across the Electromagnetic Spectrum: NRAO 50th Anniversary Science Symposium,” Charlottesville, Virginia, June 18-21, 2007;
“Multi-wavelength Surveys of Star Formation,” Xining, China, August 19-25, 2007.

9. Teaching Experience:

Taught the following courses at Caltech and the University of Illinois:

Undergraduate Level:

Introductory Physics;
Introductory Astronomy for Science Majors;
Interstellar Medium and Plasma Physics;
Astrophysics;
Astronomical Techniques.

Graduate Level:

Radio Astronomical Techniques;
Diffuse Matter Astrophysics;
Seminar on Star Formation.

10. Ph.D. and Masters Students Supervised:

Raymond Plante (Ph. D.), 1988-1995;
Lisa Norton Young (Ph. D.), 1992-1997;
Wei-Hao Wang (M. Sc.), 1997-1998;
Mao-Chang Liang (M. Sc.), 1998-2000;
Paul Bao-Ching Hsieh (Ph. D.), 2000-2005 ;
Cheng Jiun Ma, 2001-2003.

11. Postdoctoral Fellows Supervised - Present Position:

Mark Claussen - 1982-1985 - System Scientist, NRAO;
Roger Ball - 1985-1987 - Asst. Research Physicist, Space Sciences Lab, U. C.,
Berkeley;
Neil Killeen - 1987-1989 - Staff Member, Australia Telescope National Facilities;
Jonas Zmuidzinas - 1987-1989 - Associate Professor of Physics, Caltech;
David Adler - 1988-1991 - Scientist, STScI/CSC;
Gregory Engargiola - 1991-1994 - Postdoc. Fellow, UC Berkeley;
Yu Gao - 1996-1998 - Postdoc. Fellow, IPAC, Caltech;
Robert Gruendl - 1996-1997 - Postdoc. Fellow, U. of Illinois;
Siow-Wang Lee - 1997-1999 - Postdoc. Fellow, U. of Toronto;
Dinh Van Trung - 1999- 2002;
Dong-Chang Kim - 1999- 2002;
Ruiqing Mao, 2001- 2002.

REFEREED PAPERS

1. Johnston, K. J., Knowles, S. H., Sullivan, W. III, Moran, J. M., Burke, B. F., Lo, K. Y., Papa, D. C., Papadopoulos, G. D., Schwartz, P. R., Knight, C. A., Shapiro, I. I., and Welch, W. J., 1971, Ap. J., **1166**, L21, "An Interferometer Map of the Water-Vapor Sources in W49."
2. Lo, K. Y., Spencer, J., Crane, P. C., and Burke, B. F., 1972, Nature, **240**, 58, "High Frequency Observations of the Second Radio Flare in Cygnus X-3."
3. Burke, B. F., Johnston, K. J., Efanov, V. A., Clar, B. D., Kogan, L. R., Kostenko, V. I., Lo, K. Y., Matveenko, L. I., Moiseev, I. G., Moran, J. M., Knowles, S. H., Papa, D. C., Papadopoulos, G. D., Rogers, A. E. E., and Schwartz, P. R., 1972, Soviet Astronomy - A. J., **16**, 379, "Observations of Maser Radio Source With an Angular Resolution 0. 0002."
4. Lo, K. Y. and Burke, B. F., 1973, Astr. Ap., **26**, 487, "H₂O Sources in Sharpless HII Regions."
5. Moran, J. M., Papadopoulos, G. D., Burke, B. F., Lo, K. Y., Schwartz, P. R., Thacker, D. L., Johnston, K. J., Knowles, S. H., Reisz, C. A., and Shapiro, I. I., 1973, Ap. J., **185**, 535, "Very Long Baseline Interferometric Observations of the H₂O Sources in W49 N, W3(OH), Orion A and VY Canis Majoris."
6. Reisz, C. A., Shapiro, I. I., Moran, J. M., Papadopoulos, G. D., Burke, B. F., Lo, K. Y., and Schwartz, P. R., 1973, Ap. J., **186**, 537, "W3(OH): Accurate Relative Positions of Water-Vapor Emission Features."
7. Lo, K. Y. and Bechis, K. P., 1973, Ap. J. (Letters), **185**, L71, "Anomalous 1730-MHz OH Emission From V1057 C ygni."
8. Lo, K. Y. and Bechis, K. P., 1974, Ap. J. (Letters), **185**, L125, "The V1057 Cygni OH Source: Time Variation, Polarization Properties and Accurate Position."
9. Bechis, K. P. and Lo, K. Y., 1975, Ap. J., **201**, 118, "CO Mapping and Analysis of the V1057 Cygni Region."
10. Lo, K. Y., Burke, B. F., and Haschick, A. D., 1975, Ap. J., **202**, 81, "H₂O Sources in Regions of Star Formation."
11. Lo, K. Y., Walker, R. C., Burke, B. F., Moran, J. M., Johnston, K. J., and Ewing, M. S., 1975, Ap. J., **202**, 650, "Evidence for Zeeman Splitting in 1720-MHz OH Line Emission."
12. Lo, K. Y., Schilizzi, R. T., Cohen, M. H., and Ross, H. N., 1975, Ap. J. (Letters), **202**, L63, "VLBI Observations of the Compact Radio Source in the Center of the Galaxy."
13. Lo, K. Y., Morris, M. M., Moran, J. M., and Haschick, A. D., 1976, Ap. J. (Letters), **204**, L21, "The Unusual H₂O Sources Near Herbig-Haro Object Number 11."
14. Lo, K. Y. and Bechis, K. P., 1976, Ap. J. (Letters), **205**, L21, "CRL 2688 and CRL 618: Proto-Planetary Nebulae?"
15. Walker, R. C., Lo, K. Y., Burke, B. F., Johnston, K. J., and Moran, J. M., 1976, Ap. J., **208**, 296, "6 Centimeter Observations of Radio Galaxies Over a 228 Kilometer

Baseline.”

16. Westbrook, W. E., Werner, M. W., Elias, J. H., Gezari, D. Y., Hauser, M. G., Lo, K. Y., and Neugebauer, G., 1976, Ap. J., **209**, 94, “One Millimeter Continuum Emission Studies of Four Molecular Clouds.”
17. Lo, K. Y., Cohen, M. H., Schilizzi, R. T., and Ross, H. N., 1977, Ap. J., **218**, 668, “An Angular Size for the Compact Radio Source at the Galactic Center.”
18. Lo, K. Y. and Bechis, K. P., 1977, Ap. J. (Letters), **218**, L27, “Variable 2.6 mm CO Emission From Chi Cygni and Mira.”
19. Elias, J. H., Ennis, D. J., Gezari, D. Y., Hauser, M. G., Houck, J. R., Lo, K. Y., Matthews, K., Nadeau, K. D., Neugebauer, G., Werner, M. W., and Westbrook, W. E., 1978, Ap. J., **220**, 25, “One Millimeter Continuum Observations of Extragalactic Objects.”
20. Walker, R. C., Burke, B. F., Haschick, A. D., Crane, P. C., Moran, J. M., Johnston, K. J., Lo, K. Y., Yen, J. L., Broten, N. W., Legg, T. H., Greisen, E. W., and Hansen, S. S., 1978, Ap. J., **226**, 95, “VLBI Aperture Synthesis Observations of H₂O Masers Associated With Molecular Clouds.”
21. Morris, M. and Lo, K. Y., 1978, Ap. J., **223**, 803, “A Study of CO Emission From Two Scd Galaxies: IC342 and NGC 6946.”
22. Brown, R. L., Lo, K. Y., and Johnston, K. J., 1978, A. J., **83**, 1594, “The Radio Spectrum of the Compact Source at the Galactic Center.”
23. Lo, K. Y. and Sargent, W. L. W., 1979, A. J., **227**, 756, “Search for Intergalactic Neutral Hydrogen in Three Nearby Groups of Galaxies.”
24. Lo, K. Y., Cohen, M. H., Readhead, A. C. S., and Backer, D. C., 1981, Ap. J., **249**, 504, “Multi-wavelength VLBI Observations of the Galactic Center.”
25. Brown, R. L., Johnston, K. J., and Lo, K. Y., 1981, Ap. J., **250**, 155, “High Resolution VLA Observations of the Galactic Center.”
26. Knapp, G. R., Phillips, T. G., Leighton, R. B., Lo, K. Y., Wannier, P. G., and Wooten, H. A., 1982, Ap. J., **252**, 616, “Mass Loss From Stars: I. Observations of 17 Stars in the CO (2-1) Line.”
27. Brown, R. L. and Lo, K. Y., 1982, Ap. J., **253**, 108, “Variability of the Compact Radio Source at the Galactic Center.”
28. Biretta, J. A., Lo, K. Y., and Young, P. J., 1982, Ap. J., **262**, 578, “Two Color CCD Observations of the Galactic Center Region.”
29. Sargent, W. L. W., Sancisi, R., and Lo, K. Y., 1983, Ap. J., **265**, 711, “The HI Distribution in an Extremely Faint Dwarf Irregular Galaxy M81 dwA.”
30. Biretta, J. A., Lo, K. Y., Boroson, T. A., and Lacy, J. H., 1983, A. J., **88**, 94, “Spectroscopic Observations of Two Very Red Objects Toward the Galactic Center.”
31. Lo, K. Y. and Claussen, M. J., 1983, Nature, **306**, 647, “High Resolution Observations of Ionized Gas in Central 3 Parsecs of the Galaxy: Possible Evidence For Infall?”
32. Masson, C. R., Berge, G. L., Claussen, M. J., Heiligman, G. M., Leighton, R. B., Lo, K.

- Y., Moffet, A. T., Philips, T. G., Sargent, A. I., Scott, S. L., Wannier, P. G., and Woody, D. P., 1985, *Ap. J. (Letters)*, **285**, L79, “Interferometric Observations of CO in Orion: Hot Core and Plateau.”
33. Sargent, I. I., Sutton, E. C., Masson, C. R., Lo, K. Y., and Philips, T. G., 1985, *Ap. J.*, **289**, 150, “CO (2-1) Observations of the Nucleus of Maffei 2.”
 34. Lo, K. Y., Berge, G. L., Claussen, M. J., Heiligman, G. M., Leighton, R. B., Masson, C. R., Moffet, A. T., Philips, T. G., Sargent, A. I., Scott, S. L., Wannier, P. G., and Woody, D. P., 1984, *Ap. J. (Letters)*, **282**, L59, “Aperture Synthesis Observations of CO Emission From the Nucleus of IC342.”
 35. Claussen, M. J., Berge, G. L., Heiligman, G. M., Leighton, R. B., Lo, K. Y., Masson, C. R., Moffet, A. T., Philips, T. G., Sargent, A. I., Scott, S. L., Wannier, P. G., and Woody, D. P., 1984, *Ap. J. (Letters)*, **285**, L79, “Aperture Synthesis Observations of CO Emission From the W3 Molecular Cloud Core.”
 36. Claussen, M. J., Heiligman, G. M., and Lo, K. Y., 1984, *Nature*, **310**, 298, “Water Vapour Maser Emission From Galactic Nuclei.”
 37. Masson, C. R., Cheung, K. W., Berge, G. L., Claussen, M. J., Heiligman, G. M., Leighton, R. B., Lo, K. Y., Moffet, A. T., Philips, T. G., Sargent, A. I., Scott, S. L., and Woody, D. P., 1985, *Ap. J.*, **292**, 464, “High-Resolution CO Observations of NGC 7027.”
 38. Lo, K. Y., Backer, D. C., Ekers, R. D., Kellerman, K. I., Reid, M., and Moran, J. M., 1985, *Nature*, **315**, 124, “On the Size of the Galactic Center Compact Radio Source: Diameter < 20 AU.”
 39. Zaritsky, D. and Lo, K. Y., 1986, *Ap. J.*, **303**, 66, “Evidence for Non-Axisymmetric Nuclear Bulges in Spiral Galaxies.”
 40. Masson, C. R., Claussen, M. J., Lo, K. Y., Moffet, A. T., Philips, T. G., Sargent, A. I., Scott, S. L., and Scoville, N. Z., 1985, *Ap. J. (Letters)*, **295**, L47, “Interferometric Measurements of the Millimeter Wave Dust Emission From OMCI.”
 41. Lo, K. Y., 1986, “Minnesota Lectures on Active Galactic Nuclei,” *P. A. S. P.*, **98**, 179, “The Galactic Center: The Nearest Seyfert Nucleus.”
 42. Ball, R., Sargent, A. I., Scoville, N. Z., Lo, K. Y., and Scott, S. L., 1986, *Ap. J. (Letters)*, **298**, L21, “The Molecular Bar and Star Formation in the Nucleus of NGC 6946.”
 43. Scoville, N. Z., Sargent, A. I., Sanders, D. B., Claussen, M. J., Masson, C. R., Lo, K. Y., and Philips, T. G., 1986, *Ap. J.*, **303**, 416, “High Resolution Mapping of Molecular Outflows in NGC2071, W49 and NGC7538.”
 44. Claussen, M. J., and Lo, K. Y., 1986, *Ap. J.*, **308**, 592, “Circum-Nuclear Water Vapor Masers in Active Galaxies.”
 45. Heiligman, G. M., Berge, G. L., Claussen, M. J., Leighton, R. B., Lo, K. Y., Masson, C. R., Moffet, A. T., Philips, T. G., Sargent, A. I., Scott, S. L., Scoville, N. Z., Wannier, P. G., and Woody, D. P., 1986, *Ap. J.*, **308**, 306, “Aperture Synthesis Observations of Carbon Monoxide in the Egg Nebula.”
 46. Lo, K. Y., 1986, *Science*, **233**, 1394, “The Galactic Center: Is It A Massive Black-hole?”

47. Zuckerman, B. and Lo, K. Y., 1986, Astr. and Ap., **173**, 263, “H₂O Maser Emission from Stars in the IRAS Point-Source Catalog.”
48. Lo, K. Y., Cheung, K. W., Masson, C. R., Philips, T. G., Scott, S. L., and Woody, D. P., 1987, Ap. J., **312**, 574, “Molecular Gas in the Starburst Nucleus of M82.”
49. Scoville, N. Z., Sanders, D. B., Sargent, A. I., Soifer, B. I., Scott, S. L., and Lo, K. Y., 1986, Ap. J. (Letters), **311**, L47, “Millimeter Interferometry of the Molecular Gas in Arp 220.”
50. Lo, K. Y., Ball, R., Masson, C. R., Philips, T.G., Scott, S. L., and Woody, D., 1986, Ap. J. (Letters), **317**, L63, “Molecular Spiral Structure in M51.”
51. Masson, C. R., Lo, K. Y., Philips, T. G., Scoville, N. Z., and Woody, D., 1986, Ap. J., **319**, 446, “CO Maps of the OMC-1 Outflow.”
52. Martin, P., Roy, J-R, Noreau, L., and Lo, K. Y., 1989, Ap. J., **345**, 707, “The Optical Jet of the Galaxy NGC 4258: Interaction with the Interstellar Medium.”
53. Tilanus, R., Taconi, L., S. Zhou, Sanders, D., Sutton, E., Lo, K. Y., Stephens, S., and Wynn-Williams, G., 1991, Ap. J. (Letters), **376**, 500, “CO(3-2) Mapping and Gas Excitation in the Core of M82.”
54. Plante, R., Lo, K. Y., Martin, P., Roy, J-R., and Noreau, L., 1991, Ap. J., **381**, 110, “Possible Deflection of a Jet by Molecular Clouds in NGC 4258.”
55. Adler, D., Allen, R. J., and Lo, K. Y., 1991, Ap. J., **382**, 475, “The Relationship between the CO Intensity and the Radio Continuum Emission in Spiral Galaxies.”
56. Zhao, J-H, Goss, W. M., Lo, K. Y., and Ekers, R. D., 1991, Nature, **354**, 46, “High Resolution VLA Images of the Galactic Centre at 2 Wavelength with Large Dynamic Range.”
57. Zhao, J-H, Roberts, D. A., Goss, W. M., Frail, D., Lo, K. Y., Subrahmanyan, R., Kesteven, M., Ekers, R. D., Allen, D. A., Burton, M., and Spyromilio, 1992, Science, **255**, 1538, “A Transient Radio Source near the Center of the Milky Way Galaxy.”
58. Kleeen, N., Lo, K. Y., and Crutcher, R., 1992, Ap. J., **385**, 585, “Zeeman Measurements of the Magnetic Fields at the Galactic Center.”
59. Adler, D., Lo, K. Y., Wright, M., Plante, R., Allen, R., and Rydbeck, G., 1992, Ap. J., **392**, 497, “A Completely Sampled Aperture Synthesis CO Map of M51.”
60. Wright, M., Ishizuki, S., Turner, J., Ho, P., and Lo, K. Y., 1993, Ap. J., **406**, 470, “Heterogeneous Array Observations of IC342; CO Isotopic Ratio.”
61. Blitz, L., Binney, J., Lo, K. Y., Bally, J., and Ho, P., 1993, Nature, **361**, 417, “The Center of the Milky Way.”
62. Lo, K. Y., Backer, D. C., Kellermann, K. I., Reid, M., Zhao, J-H, Goss, M., and Moran, J. M., 1993, Nature, **362**, 38, “High Resolution VLBA Imaging of the Radio Source Sgr A* at the Galactic Centre.”
63. Yun, M. S., Ho, P. T. P., and Lo, K. Y., 1993, Ap. J. (Letters), **411**, L17, “HI Streamers around M82: Tidally Disrupted Outer Gas.”

64. Lo, K. Y., Sargent, W. L. W., and Young, K., 1993, A. J., **106**, 507, “The HI Structure of Nine Intrinsically Faint Dwarf Galaxies.”
65. Backer, D. C., Zensus, J. A., Kellermann, K. I., Reid, M., Moran, J. M., and Lo, K. Y., 1993, Science, **262** 1414, “Upper Limit of 3.3 Astronomical Units to the Diameter of the Galactic Center Radio Source Sgr A*.”
66. Engargiola, G., Zmuidzinas, J., and Lo, K. Y., 1994, Rev. Sci. Instrum., **65**, 1833, “A 492 Ghz Quasioptical SIS Receiver for Submillimeter Astronomy.”
67. Yun, M. S., Ho, P. T. P., and Lo, K. Y., 1994, Nature, **372**, 530, “A New High-Resolution Image of Atomic Hydrogen in th M81 Group of Galaxies.”
68. Stark, A. A., Lane, A., Balm, S., Rumitz, M., Bania, T., Chamberlain, R., Huang, M., Ingalls, J., Jackson, J., Castro, E., Wilson, R., Mumma, D., Wright, G., Bally, J., Lo, K. Y., Engargiola, G., Stutzki, J., and Staguhn, J., 1994, Antarctic Journal of the United States, **29**, 344, “Predeployment tests of the Antarctic Submillimeter Telescope and Remote Observatory instrument.”
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70. Plante, R. L., Lo, K. Y., and Crutcher, R. M., 1995, Ap. J. (Letters), **445**, L113, “The Magnetic Fields in the Galactic Center: Detection of H I Zeeman Splitting.”
71. Shen, J. J. and Lo, K. Y., 1995, Ap. J. (Letters), **445**, L99, “Locations of Starbursts in M82.”
72. Welch, W. J., et al, 1996, PASP, **108**, 93, “The Berkeley-Illinois-Maryland Association Millimeter Array.”
73. Young, L. M. and Lo, K. Y., 1996, Ap. J., **462**, 203, “The Neutral ISM in Nearby Dwarf Galaxies. I. Leo A.”
74. Young, L. M. and Lo, K. Y., 1996, Ap. J. (Letters), **464**, L59, “Molecular Clouds in the Dwarf Elliptical Galaxy, NGC 205.”
75. Peng, R. S., Zhou, S., Whiteoak, J. B., Lo, K. Y., and Sutton, E. C., Ap. J., **470**, 821, “BIMA CS J=1-0 Observations of NGC 253: Kinematic Evidence for Dense Gas in a Bar.”
76. Young, L. M. and Lo, K. Y., 1997, Ap. J., **476**, 127, “The Neutral ISM in Nearby Dwarf Galaxies. II NGC 185, NGC 205 and NGC 147.”
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Abbreviations for Journals:

A. J. = Astronomical Journal

Ap. J. = Astrophysical Journal

Ap. J. (Letters) = Astrophysical Journal (Letters)

Astr. Ap. = Astronomy and Astrophysics

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