

CURRICULUM VITAE

Fred K. Y. Lo
March 2011

EDUCATION

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

PROFESSIONAL EXPERIENCE

2002 – present: Director and Distinguished Astronomer with Tenure,
National Radio Astronomy Observatory, USA
Research Professor of Astronomy, University of Virginia

1997-2002: Director and Distinguished Research Fellow,
Institute of Astronomy and Astrophysics, Academia Sinica,
Taipei

1998 – 2002: Professor of Physics, National Taiwan University

1995 – 1997: Chairman of Astronomy Department, University of Illinois

1994
Alexander von Humboldt Senior Scientist, Max Planck Institut für
extraterretrische Physik (June – December)
Visiting Professor, Ecole Normale Superieure (May – June)
ROC National Science Council Guest Professor, Institute of
Astronomy and Astrophysics, (Jan. – April)

1991
James Clerk Maxwell Telescope Fellow, Institute for Astronomy,
University of Hawaii, July - September

1986 – 2000: Professor of Astronomy, University of Illinois at
Urbana Champaign

1985
Participant, “Program on Star Formation,” Institute for
Theoretical Physics, University of California at Santa Barbara
(December)
Visiting Astronomer, Onsala Space Observatory, Sweden (June)
Visiting Lecturer, Astronomy Dept., University of Minnesota
(May)

1984
Astronome Titulaire, Paris Observatory, France (Aug. – Sept.)

1980-1986: Assistant Professor of Radio Astronomy, Caltech

1978-1980: Senior Research Fellow in Radio Astronomy, Caltech

1978
Assistant Research Astronomer, Radio Astronomy Lab, Berkeley

1976 – 1978
Miller Fellow for Basic Research in Science, U. C., Berkeley

1974 – 1976: Research Fellow in Radio Astronomy, Caltech

AWARDS/HONORS

Fellow, American Association for the Advancement of Science, inducted 2007
Distinguished Astronomer, National Radio Astronomy Observatory, 2002–present
Fellow, Chinese Physical Society, elected 2000
Academician, Academia Sinica, elected 1998
Distinguished Research Fellow, Academia Sinica, 1996 - 2002
Alexander von Humboldt Research Award, 1994 -1995
Associate, Center for Advanced Study, University of Illinois, 1991-1992
Miller Fellow for Basic Research in Science, University of California at Berkeley, 1976-1978

COMMITTEES/PANELS

Member, Visiting Committee, Smithsonian Astrophysical Observatory, 2011
Member, Advisory Committee, Chinese TMT Board, National Astronomical Observatories of China, 2010 - 2012
Review member for French National Agency for the Evaluation of Research and Higher Education (AERES), 2009
Member, International 5-year Review Panel of the Institute of Astronomy and Astrophysics at the Academia Sinica, July 2009
Reviewer for the Evaluation of the Strategic Plans of Singular Facilities, Spanish Science Ministry of Science and Innovation, January 2009.
Chair, Advisory Panel, Academia Sinica Institute of Astronomy and Astrophysics, 2009 -
Bruce Medal Nominating Committee, Astronomical Society of the Pacific, 2009-2016
Advisor, Templeton-Xianshang Science Conference: New Vision 400: “Engaging Big Questions in Astronomy & Cosmology Four Hundred Years After the Invention of the Telescope”, Beijing, China, 12-15 October, 2008
Chair, Max-Planck Institute for Radio-astronomy International Scientific Advisory Board, 2008-2011
Member, Selection Committee for Physical Sciences, Presidential Science Prize, Taiwan, R.O.C., 2007
Member, Oversight Board, Allen Telescope Array, 2007-present
ALMA Budget Committee, 2006- present
ALMA Board, North American Assessor, 2005- present
Astrophysics Subcommittee (APS) of the NASA Advisory Council (NAC); 2006 - present

Chair, International Review Committee of the Five Hundred meter Astronomical Spherical Telescope (FAST) Project, Chinese Academy of Sciences, March-April, 2006

Member, Max-Planck Institute for Radio-astronomy International Scientific Advisory Board, 2005-2011

Member, Michelson Science Center Oversight Committee, NASA, 2004-2007

Member, Selection Committee for Physical Sciences, Presidential Science Prize, Taiwan, R.O.C., 2004

Member, Daniel Heineman Prize Committee, 2003-2006

Member, Advisory Panel, Academia Sinica Institute of Astronomy and Astrophysics, 2002- 2009

Co-chair, Planning Committee of the Second Ten-year Astronomy Development In Taiwan, 2001-2002

Chair, Taiwan National Space Program Office Advisory Panel, 2002- 2003

Member, Editorial Board, International Journal of Modern Physics D, 2001-

Member, Academia Sinica Institute of Atomic and Molecular Sciences Director Search Committee, 2001

Chair, Selection Committee for Physical Sciences, Presidential Science Prize, Taiwan, R.O. C., 2001

Advisory Committee for Astro- and Geo-Sciences, Ministry of Education, Taiwan, R. O. C. , 2001-2002

Member, Editorial Board, Chinese Journal of Astronomy & Astrophysics, 2001- 2003

Member, Selection Committee for Taiwan-France Science & Technology Award, 2000-2001

NASA SIRTf Legacy Proposal Review Panel and Time Assignment Committee, 2000

Australia Telescope National Facility Steering Committee, 1999-2001

Advisory Board of the National Center of Supercomputers Applications, 1996-1999

Associated Universities, Inc., Visiting Committee for the National Radio Astronomy Observatory, 1994-1997

Advisory Panel of the Institute of Astronomy and Astrophysics of the Academia Sinica, Taiwan, ROC, 1993-1996

Advisory Committee of the National Millimeter-wave Array of the National Radio Astronomy Observatory, 1993-1994

Co-chairman, Planning Committee of National Astronomy Observatory of Taiwan, ROC, 1990-1992

Chairman, Visiting Committee, Haystack Observatory, 1999, 1992

NRAO National Millimeter Array Advisory Committee, 1991

NASA Long Term Space Astrophysics Research Program Review Panel, 1989

NRAO National Millimeter Array Proposal Workshop, 1989
 NRAO Green Bank Telescope Design Workshop, 1989
 NASA Astrophysics Data Program Proposal Review Panel Chair, 1989
 Illinois Space Institute Proposal Review Panel, 1988
 NSF Site Review Panel for the Five College Radio Astronomy Observatory, 1988
 National Science Foundation (NSF) Site Review Panel for the Haystack Observatory,
 1988
 NRAO Very Large Array Proposal Review Panel, 1987-1989
 NASA Astrophysics Data Program Proposal Review Panel for IRAS, 1988
 NRAO Advisory Committee, the National Millimeter Array, 1987
 NRAO Scientific Advisory Committee on the National Millimeter Array, 1985-1987
 VLB Network Proposal Review Panel, 1984-1986
 NRAO Users' Committee, 1983-1985
 National Radio Astronomy Observatory (NRAO) Very Large Array Proposal Review
 Panel, 1980-1982

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, Tokyo, 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;
“US-China Bilateral Workshop on Future Collaborations in Radio Astronomy,” Beijing, China, April 21-25, 2008;
“The Galactic Center: A Window to the Nuclear Environment of Disc Galaxies,” Shanghai, China, October 19-23, 2009.

TEACHING:

Taught the following courses at Caltech, the University of Illinois and the National University of Taiwan:

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.

Ph.D. and Masters Students Supervised:

Cheng-Yu Kuo (Ph. D.), 2008 - 2011.
Cheng Jiun Ma, 2001-2003;
Paul Bao-Ching Hsieh (Ph. D.), 2000-2005;
Mao-Chang Liang (M. Sc.), 1998-2000;
Wei-Hao Wang (M. Sc.), 1997-1998;
Lisa Norton Young (Ph. D.), 1992-1997;
Raymond Plante (Ph. D.), 1988-1995;

Postdoctoral Fellows Supervised - Present Position:

Violette Impellizzeri 2008 - present
Ruiqing Mao, 2001- 2002 – Astronomer, Purple Mountain Observatory;
Dong-Chang Kim - 1999- 2002 – Research Astronomer, UVA;
Dinh Van Trung - 1999- 2002 - Assistant Research Fellow, ASIAA;
Siow-Wang Lee - 1997-1999 - U. of Toronto;
Robert Gruendl - 1996-1997 - U. of Illinois;
Yu Gao - 1996-1998 – Astronomer, Purple Mountain Observatory;
Gregory Engargiola - 1991-1994 – Research Astronomer, UC Berkeley;
David Adler - 1988-1991 - Scientist, STScI/CSC;
Jonas Zmuidzinas - 1987-1989 - Associate Professor of Physics, Caltech;
Neil Killeen - 1987-1989 - Staff Member, Australia Telescope National Facilities;
Roger Ball - 1985-1987 - Asst. Research Physicist, Space Sciences Lab, U. C.,
Berkeley;
Mark Claussen - 1982-1985 - System Scientist, NRAO;

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 Cygni."
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., Jonston, 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 Nucleus 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-I 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. Killeen, 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.”

69. Greenhill, L. J., Jiang, D. R., Moran, J. M., Reid, M. J., Lo, K. Y., and Claussen, M. J., 1995, Ap. J., **440**, 619, "Detection of a Subparsec Diameter Disk in the Nucleus of NGC 4258."
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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