

CURRICULUM VITAE

Qi Li

Personal

Name: Qi Li
Address: 104 Davey Laboratory
Department of Physics
Pennsylvania State University
University Park, PA 16802
Phone: (814) 863-5347, Fax: (814) 865-3604, e-mail: qill@psu.edu

Education

1982: B.S. in Physics, Peking University
Thesis Title: "Research on the threshold quasiparticle injection current for obtaining the resistive state in superconducting Sn films".
1985: MS. in Physics, Peking University
Thesis Title: "Nonequilibrium phenomena in indium films under quasiparticle injection using multilayer tunnel junctions"
1989: Ph.D. in Physics, Peking University
Thesis Title: "Superconductivity of La-Sr-Cu-O compounds with different phases"

Experience

2004 – present: Professor, Department of Physics, Materials Research Institute, Pennsylvania State University.
2006 – present Co-chair, Intercollege Graduate Degree Program in Materials Science and Engineering, Pennsylvania State University.
2002 – 2003: Visiting professor, Lab. for Advanced Materials, Applied Physics department, Stanford University.
2001 – 2003: Associate Professor, Department of Physics, Pennsylvania State University.
1995 – 2001 Assistant Professor, Department of Physics, Pennsylvania State University.
1991 – 8/1995: Assistant Research Scientist, Center for Superconductivity Research, University of Maryland.
1989 – 1991: Postdoc, Bellcore, Red Bank, NJ and Department of Physics, Rutgers University.
1988 – 1989: Visiting Scientist, Institute for Solid State Physics, Kernforschungszentrum Karlsruhe, Germany.

1983 – 1988: Teaching and Research Assistant, Department of Physics,
Peking University.

Honors and Awards

1997 Petroleum Research Foundation Starter Award
1997 National Science Foundation ROW Award
1998 National Science Foundation Career Award
1998 CRDF Young Investigator Award
2002-present Appointed International advisory board member for Shenyang National
Laboratory for Materials Science, Chinese Academy of Sciences
2006 Outstanding Young Scientist award, Chinese Natural Science Foundation

Memberships

- American Physical Society (APS) since 1990
- Materials Research Society (MRS) since 1990
- European Materials Research Society, 1988 – 1990, 1992 – 1993
- SPIE, 1992 - 1996
- Optical Society of America, 1992 – 1994

Other Activities in Which There was Significant Use of Candidate's Expertise

- Director, NSF Research Experience for Undergraduate Program at Penn State 1998-2004
- Director, NSF Research Experience for Teachers Program at Penn State since 1999-2004
- Member of the NSF invited workshop on “spin-electronics for the 21st century.” 1999
- Member of the NSF 50th Anniversary Celebration Partnership, Scientists and Engineers in the Schools Program. 2001
- Member of the NSF panel on “Nanotechnologies”. 2001
- Member of the NSF panel on CAREER award. 2001
- Member of the NSF panel on REU program. 2002
- Panelist for NSF panel on Spintronics. 2004
- Foreign Assessor for Research Grants Council of Hong Kong since 1997.

Publications

Citations of Refereed Journal Papers As of June, 2006, from ISI Science Citation Index

Total citation: 3930

Articles Published in Refereed Journals

1. Luo, X. L., Chen, H. P. and Li, Q. Research On The Threshold Injection Current For Obtaining The Resistive State In Superconducting Indium Film Under Strong Quasiparticle Injection. ACTA Physica Temperatae Humilis Sinica 8, 47-50 (1986).
2. Luo X. L. and Li, Qi. Studies On The Superconducting-Normal Phase Transition In Indium Film Caused By Quasiparticles Injection. ACTA Physica Temperatae Humilis Sinica 8, 117-123 (1986).
3. Meng, X. F. and Li, Q. Study and Fabrication of Superconducting Multilayer Tunnel Junctions. ACTA Physica Temperatae Humilis Sinica 8, 140-146 (1986).
4. Li, Q. and Meng, X. F. Fabrication of Indium Josephson Tunnel Junction and Oxidation Method. ACTA Physica Temperatae Humilis Sinica 8, 159-164 (1986).
5. Li, Qi and Luo, X. L. Studies on the Nonequilibrium Phenomena of Superconducting Indium Film Under Quasiparticle Injection. ACTA Physica Temperatae Humilis Sinica 8, 232-236 (1986).
6. Wen, Q. Z., Zhang, W. B., Li, Q., Jiang, Q. D., et al. Superconductivity with Zero Resistance at 91 K. KEXUE TONGBAO 32, 1470-1473 (1987).
7. Li, F., Li, Q., Lu, G., Zhou, Y., Wu, K., Li, C. and Yin, D. Specific Heat Studies on High T_c YBa₂Cu₃O_{7-x}. Solid State Comm. 64, 209-212 (1987).
8. Li, F., Li, Q., Lu, G., Zhou, Y., Wu, K., Li, C. and Yin, D. Heat Capacity of High T_c YBa₂Cu₃O_{7-x}. J. Modern Physics B 2, 865 (1987).
9. Li, Qi, Li, C., Wu, K. and Yin, D. LaBa₂Cu₃O_{7-x} with Zero Resistivity at 79 K. Solid State Comm. 64, 1133-1135 (1987).
10. Yan, S. S., Lu, P. X. and Li, Qi. Thermoelectric Power of Single Phase YBa₂Cu₃O_{7-x}. Solid State Comm. 65, 355-360 (1988).
11. Wen, Q. Z., Zhang, W. B., Li, J., Li, Q., Jiang, Q. D., Wu, K. and Yin, D. Three Tetragonal Phases Related to the Orthorhombic Phase of YBa₂Cu₃O_{7-x}. J. Modern Physics B 2, 39 (1988).
12. Gu, H., Li, Q., Zhang, J. L., Zou, B. S., Yin, D. L. Structure Transition in 90 K Superconducting Perovskite LaBa₂Cu₃O_{7-x} -x : A TEM Study. Chinese Physics Letter. 5, 293-296 (1988).

13. Geerk, G., Linker, G., Meyer, O. Wang R.L., Li, Q., Xi X. The Tunneling Gap of High T_c Superconductors. *Physica C* 162, 837-840 (1989).
14. Linker, G., Xi, X. X., Meyer, O., Li, Q. and Geerk, J. Control of Growth Direction of Epitaxial YBaCuO Thin Films on SrTiO₃ Substrates. *Solid State Commun.* 69, 249-253 (1989).
15. Linker, G., Xi, X. X., Meyer, O., Li, Q. and Geerk, J. The Growth of YBaCuO Thin Films on Different Substrates As a Function of Deposition Temperature. *J. Less Common Metals* 151, 357-362 (1989).
16. Li, Q., Weschenfelder, F., Meyer, O., Xi, X. X., Linker, G. and Geerk, J. Channeling Behaviour of YBaCuO Thin Films on Different Orientations. *J. Less Common Metal* 151, 295-301 (1989).
17. Xi, X. X., Linker, G., Meyer, O., Li, Q. and Geerk, J. Preparation of YBa₂Cu₃O_{7-x} thin films by inverted cylindrical magnetron sputtering. *J. Less Common Metals* 151, 349-355 (1989).
18. Li, Q., Meyer, O., Xi, X. X., Geerk, J. and Linker, G. Growth Characterization of YBa₂Cu₃O_{7-x} Thin Films on (100) MgO. *Appl. Phys. Lett.* 55, 310-312 (1989).
19. Xi, X. X., Geerk, J., Linker, G., Li, Q. and Meyer, O. Preparation and Superconducting Properties of Ultra- thin YBa₂Cu₃O_{7-x} Films. *Appl. Phys. Lett.* 54, 2367-2369 (1989).
20. Li, Q., Xi, X. X., Linker, G., Meyer, O. and Geerk, J. Growth of YBaCuO Thin Films on Random and (100) Aligned ZrO₂ Substrates. *Appl. Phys. Lett.* 55, 1792-1794 (1989).
21. W. Schauer, X. X. Xi, V. Windte, O. Meyer, G. Linker, Q. Li, and J. Geerk, "Growth Quality and Critical Current Density of Sputtered YBaCuO Thin Films", *Cryogenics* 30, 586-592 (1990). (Equal author, Invited paper)
22. Wu, X. D., Xi, X. X, Li, Q., Dutta, B., Inam, A., DiDomenico, L., Weiss, C., Martinez, C. A., Wilkens, B., Schwarz, S. A., Barner, J. B., Chang, C. C., Nazar, L. and Venkatesan, T. Superlattices of Y-Ba-Cu-O/Yy-Pr_{1-y}-Ba-Cu-O Grown by Pulsed Laser Deposition. *Appl. Phys. Lett.* 56, 400-402 (1990).
23. Li, Q., Xi, X. X., Wu, X. D., Inam, A., Vadlamannati, S., McLean, W. L., Venkatesan, T., Ramesh, R., Hwang, D. M., Martinez, J. A. and Nazar, L. Interlayer Coupling Effect in High-T_c Superconductors Probed by YBa₂Cu₃O_{7-x}/PrBa₂Cu₃O_{7-x} Superlattices. *Phys. Rev. Lett.* 64, 3086-3089 (1990).
24. Meyer, O., Geerk, J., Li, Q., Linker, G. and Xi, X. X. Epitaxial Growth Analysis of YBaCuO Thin Films by Ion Backscattering and Channeling Spectroscopy. *Nucl. Instrum. and Meth. B* 45, 483-487 (1990). (Equal author, Invited paper)
25. Xi, X. X., Wu, X. D., Inam, A., Li, Q., Hemmick, D., Findikoglu, A., Venkatesan, T., Chang, C. C. and Howard, R. Optical Spectroscopic Study of Inverted Cylindrical Magnetron Sputtering of YBa₂Cu₃O_{7-x}. *Appl. Phys. Lett.* 57, 96-98 (1990).

26. Ramesh, R., Chang, C. C., Xi, X. X., Ravi, T. S., Hwang, D. M., Li, Q., Inam, A. and Venkatesan, T. Structural Perfection of Y-Ba-Cu-O Superconductor Thin Films Grown at Low Temperatures. Appl. Phys. Lett. 57, 1064-1066 (1990).
27. Ramesh R, Hwang D.M., Ravi T.S., Chang C.C., Inam A., Nazar L., Li Q., Xi X.X, Wu X.D., Duna B., Venkatesan T. Growth-Conditions And Structural Defects In Y-Ba-Cu-O Thin-Films. J. Electronic Materials 19, 50-51 (1990).
28. Vadlamannati S., England P., Stoffel N.G., Ramesh R., Ravi T.S., Hwang D.M., Findikoglu A., Li Q., Venkatesan T., Mclean W.L. Recovery Of Original Superconducting Properties In Ion-Irradiated $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Thin-Films. Appl. Phys. Lett. 57, 2265-2267 (1990).
29. Wu, X. D., Muenchausen, M. E., Foltyn, S., Estler, R. C., Dye, R. C., Carcia, A. R., Nogar, N. S., England, P., Ramesh, R., Hwang, D. M., Ravi, T. S., Chang, C. C., Venkatesan, T., Xi, X. X., Li, Q. and Inam, A. Large Critical Current Densities in YBCO Thin Films Made at High Deposition Rate. Appl. Phys. Lett. 57, 523-525 (1990).
30. Kazeroonian, A. S., Cheng, T. K., Brorson, S. D., Li, Q., Ippen, E. P., Wu, W. D., Venkatesan, T., Etemad, S., Dresselhaus, M. S., and Dresselhaus, G. Probing The Fermi Level Of $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_7$ By Femtosecond Spectroscopy. Solid State Comm. 78, 95-100 (1991).
31. Xi, X. X., Venkatesan, T., Li, Q., Wu, X. D., Inam, A., Chang, C. C., Ramesh, R., Hwang, D. M., Ravi, T. S., Findikoglu, A., Hemmick, A., Etemad, S., Martinez, J. A., Wilkens, B. Preparation of Thin Film High Temperature Superconductors. IEEE Trans. on Magnetics 27, 982-989 (1991). (Equal author, Invited paper)
32. Li, Q., Xi, X. X., Wu, X. D., Inam, A., Vadlamannati, S., Ramesh, R., Schwarz, S. A., Hwang, D. M., Wilkens, B., Martinez, J. A., McLean, W. L. and T. Venkatesan. Superconductivity in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$ Superlattices. IEEE Trans. on Magnetics 27, 2472-2475 (1991).
33. Vadlamannati, S., England, P., Stoffel, N. G., Findikolu, A., Li, Q., Venkatesan, T. and McLean, W. L. 200-KeV He⁺-ion Irradiation Effects on the Properties of Pulsed-Laser-Deposited YBCO Thin Films. Phys. Rev. B, 43, 5290-5293 (1991).
34. R. Ramesh, T. S. Ravi, A. Inam, C. C. Chang, X. D. Wu, X. X. Xi, Q. Li, and T. Venkatesan, The Atomic Structure of Growth Interfaces in Y-Ba-Cu-O Thin Films. J. of Materials Res. 6, 2264-2271 (1991). (Equal author, Invited paper)
35. Vendlamannati, S., Li, Q., Venkatesan, T., McLean, W. L., Lindenfeld, P. Enhanced Kosterlitz-Thouless Transition in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$ Superlattices As a Measure of Two Dimensionality. Phys. Rev. B, 44, 7094-7097 (1991).
36. Xi, X. X., Li, Q., Doughty, C., Bhattacharya, S., Findikoglu, A. T. and Venkatesan, T. Electric Field Effect in High Tc Superconducting Ultrathin $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Films. Appl. Phys. Lett. 59, 3470-3472 (1991).
37. Li, Qi, Venkatesan, T. and Xi, X. X. Growth and Superconducting Properties of YBCO-based Superlattices. Physica C 190, 22-26 (1991). (Principal author, Invited)

38. Vendlamannati, S., Li, Q., Xi, X. X., Venkatesan, T., McLean, W. L., Lindenfeld, P. Kosterlitz-Thouless Transition in Ultrathin YBCO layers in Superlattices. Physica C, 185-189, 2051-2052 (1991).
39. Xi, X. X., Doughty, C., Walkenhorst, A., Kwon, C., Li, Q. and Venkatesan, T. Effect of Field Induced Hole Density Modulation on the Normal State and Superconducting Transport in YBCO. Phys. Rev. Lett. 68, 1240-1243 (1992).
40. Walkenhorst, A., Doughty, C., Xi, X. X., Mao, S. N., Li, Q. and Venkatesan, T. Dielectric Properties of SrTiO₃ Thin Films Used in High T_c Superconducting Field Effect Devices. Appl. Phys. Lett. 60, 1744-1746 (1992).
41. Xi, X. X., Venkatesan, T. and Li, Q. Field Effect Device Using High T_c Oxide Thin Films. ISTEC Journal 5, 25-29 (1992). (Equal author, Invited paper)
42. Mao, S. N., Xi, X. X., Bhattacharya, S., Li, Q., Venkateson, T., Peng, J. L., Greene, R. L., Mao, J., Wu, D. H. and Anlage, S. Deposition and Reduction of Nd_{1.86}Ce_{0.15}CuO_{4-y} superconducting thin films. Appl. Phys. Lett. . 61, 2356-2358 (1992).
43. Findikoglu, A. T., Doughty, C., Bhattacharya, S., Li, Q., Xi, X. X., Venkateson, T., Fahey, R. E., Strauss, A. J., Phillips, J. M. Sr₂AlTaO₆ films for multilayer high-temperature superconducting device applications. Appl. Phys. Lett. 61, 1718-1721 (1992).
44. Karrai, K., Choi, E., Dunmore, F., Liu, S., Ying, X., Li, Q., Venkatesan, T. Drew, H. D. and Fenner, D. B. Far infrared magneto-optical activity in type II superconductors. Phys. Rev. Lett. 69, 355-358 (1992).
45. Li, Q., Kwon, C., Xi, X. X., Bhattacharya, S., Walkenhorst, A., Venkateson, T., Hagen, S. J., Jiang, W. and Greene, R. L. Effects of Dimensional Crossover on Flux Pinning in a Model High-T_c Superconductor: YBa₂Cu₃O_{7-x}/(Pr_xY_{1-x})Ba₂Cu₃O_{7-x} superlattices. Phys. Rev. Lett. 69, 2713-2716 (1992).
46. Xi, X. X., Doughty, C., Walkenhorst, A., Mao, S. N., Li, Q. and Venkatesan, T. Voltage-Current Characteristics of a High-T_c Field-Effect Device. Appl. Phys. Lett.. 61, 2353-2355 (1992).
47. Walkenhorst, A., Doughty, C., Xi, X. X., Li, Q., Lobb, C. J., Mao, S. N. and Venkatesan, T. Electric-Field Effects on Vortex Dynamics in Ultrathin YBa₂Cu₃O_{7-x} Films. Phys. Rev. Lett. 69, 2709-2712 (1992).
48. Walkenhorst, A., Doughty, C., Mao, S. N., Xi, X. X., Li, Q. and Venkateson, T. Large modulation of critical current in high T_c superconducting field-effect (SuFET) devices. IEEE Trans. on Applied Superconductivity 3, 2929 (1993).
49. Findikoglu, A. T., Bhattacharya, S., Doughty, C., Pambianchi, M. S., Li, Q., Xi, X. X., Anlage, S. M., Fahey, R. E., Strauss, A. J., Phillips, Julia M. and Venkatesan, T. Sr₂AlTaO₆/YBa₂Cu₃O₇ heterostructures for superconducting device applications. IEEE Trans. on Applied Superconductivity 3, 1425-1428 (1993).

50. Doughty, C., Walkenhorst, A., Xi, X. X., Kwon, C., Li, Q., Bhattacharya, S., Findikoglu, A. T., Mao, S. N., Venkatesan, T. and Spencer, N. G. $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{SrTiO}_3$ bilayers for superconducting field effect devices by pulsed laser deposition. IEEE Trans. on Applied Superconductivity 3, 2910-2913 (1993).
51. Mao, S. N., Xi, X. X., Bhattacharya, S., Li, Q., Peng, J. L., Mao, J., Wu, D. H., Anlage, S., Greene, R. L. and Venkatesan, T. Oxidation and reduction of high quality $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4-y}$ superconducting thin films. IEEE Trans. on Applied Superconductivity 3, 1552-1555 (1993).
52. Hagen, S. J., Smith, A. W., Rajeswary, M., Peng, J. L., Li, Z. Y., Greene, R. L., Mao, S. N., Xi, X. X., Bhattacharya, S., Li, Q. and Lobb, C. J. Anomalous flux flow Hall effect: $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4-y}$ and evidence for vortex dynamics. Phys. Rev. B 47 (Rapid Comm.), 1064-1067 (1993).
53. Mao, S. N., Xi, X. X., Bhattacharya, S., Li, Q., Peng, J. L., Mao, J., Wu, D. H., Anlage, S., Greene, R. L. and Venkatesan, T. Superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4-y}$ bilayer thin films. Appl. Phys. Lett. 62, 2425-2427 (1993).
54. Kwon, C., Li, Q., Xi, X. X., Bhattacharya, S., Doughty, C., Venkatesan, T., Zhang, H., Lynn, J. W., Peng, J. L., Li, Z. Y., Spencer, N. G. and K. Feldman. High critical current densities in ultrathin $\text{YBa}_2\text{Cu}_3\text{O}_{7-d}$ films sandwiched between $(\text{Pr}_x\text{Y}_{1-x})\text{Ba}_2\text{Cu}_3\text{O}_{7-d}$ layers. Appl. Phys. Lett. 62, 1289-1291 (1993).
55. Bhattacharya, S., Xi, X. X., Rajeswari, M., Kwon, C., Mao, S. N., Li, Q. and Venkatesan, T. Optical response of an ultrathin film and a large-angle grain-boundary in superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{7-d}$. Appl. Phys. Lett. 62, 3510-3512 (1993).
56. Findikoglu, A. T., Doughty, C., Anlage, S. M., Li, Q., Xi, X. X. and Venkatesan, T. Effect of dc electric field on the effective microwave surface impedance of $\text{YBa}_2\text{Cu}_3\text{O}_7/\text{SrTiO}_3/\text{YBa}_2\text{Cu}_3\text{O}_7$ trilayers. Appl. Phys. Lett. 63, 3215-3217 (1993).
57. Bhattacharya, S., Rajeswary, M., Takeuchi, I., Xi, X. X., Mao, S. N., Kwon, C., Li, Q. and Venkatesan, T. Low temperature optical response of a single grain boundary in superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ thin film. Appl. Phys. Lett. 63, 22792281 (1993).
58. Ham, Kyung-Min, Sooryakumar, R., Kwon, C., Li, Q. and Venkatesan, T. Raman study of $(\text{YBa}_2\text{Cu}_3\text{O}_{7-x})_m(\text{PrBa}_2\text{Cu}_3\text{O}_{7-x})_n$ superlattices. Phys. Rev. B, 48, 16744-16750 (1993).
59. Mao, S. N., Xi, X. X., Mao, Jian, Wu, D. H., Anlage, S. M., Li, Q. and Venkatesan, T., Beesabathina, D. P., Salamanca-Riba, L., and Wu, X. D. Structural characterization and microwave loss of superconducting $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4-y}$ thin films on yttria-stabilized zirconia buffered sapphire. Appl. Phys. Lett. 64, 375-377 (1994).
60. Mao, S. N., Xi, X. X., Qi Li, Venkatesan T., Beesabathina, D. P., Salamanca-Riba, L., and Wu, X. D. Superconducting and Structural Properties of $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4-y}$ thin films on Perovskite and Fluorite Substrates J. Appl. Phys. 75, 2119-2124 (1994).
61. Ham, Kyung-Min, Sooryakumar, R., Takeuchi, I., Trajanovich, Z., Kwon, C., Li, Q. and Venkateson, T. Raman active phonons in thin a- and c- axis oriented $(\text{YBa}_2\text{Cu}_3\text{O}_{7-x})_m(\text{PrBa}_2\text{Cu}_3\text{O}_{7-x})_n$ superlattices. Phys. Rev. B 50, 16598-16605 (1994).

62. Li, Q., Kwon, C., Xi, X. X., Walkenhorst, A., Venkatesan, T., Hagen, S. J., Jiang, W., and Greene, R. L. Effects of dimensional crossover on anisotropic pinning behaviors in a model high superconductors: YBCO/(Pr_x Y_{1-x})BCO superlattices. Physica B. 194-196 2389-2390 (1994).
63. Smith, A.W., Hagen, S. T., Rajeswary, M., Peng, J. L., Li, Z. Y., Greene, R. L., Mao, S. N., Xi, X. X., Bhattacharya, S., Li, Q., and Lobb, C. J. Hall effect in the mixed state of Nd_{1.85}Ce_{0.15}CuO_{4-y}. Physica B. 194-196, 2257-2259 (1994).
64. Lobb C.J., Clinton T.W., Smith A.W., Liu W., Li Q., Peng J.L., Greene R.L., Eddy M., Tsui C.C. Pinning, Anisotropy, And The Hall-Effect In Superconductors. J. Appl. Superconductivity 2, 631-637 (1994)
65. Bhattacharya, S., Rajeswary, M., Takeuchi, I., Xi, X. X., Mao, S. N., Kwon, C., Li, Q. and Venkatesan, T. Mechanisms of optical response of YBa₂Cu₃O_{7-x} superconducting thin films and grain boundary weak links. J. Appl. Phys. 76, 5829-5838 (1994).
66. Findikoglu, Alp T., Doughty, Chris, Anlage, Steve M., Li, Q., Xi, X. X., and Venkatesan, T. DC electric field effect on the microwave properties of metal-oxide based superconductor-dielectric heterostructures. J. Appl. Phys. 76, 2937-2950 (1994).
67. Li, Q. Superconducting ReBa₂Cu₃O_{7-x} Ultrathin Films and Superlattices. Physica C 235, 91-94 (1994). (Principal author, Invited paper).
68. Ju, H. L., Kwon, C., Li, Q., Greene, R. L. and Venkatesan, T. Giant magnetoresistance in La_{1-x}Sr_xMnO_z films near room temperature. Appl. Phys. Lett. 65, 2108-2110 (1994).
69. Schneider, C. W., Somekh, R. E., Evetts, J. E., D. J. C. Walker, I. M. Watson, F. Baudenbacher, S. N. Mao, X. X. Xi, Q. Li, Chuhee Kwon, T. Venkatesan, R. Humphreys, N. Chew, R. Gross, and A. Beck, "Inductive measurement of $\lambda(T)$ of bare YBCO films and the proximity effect in YBCO/normal metal bilayers", IEEE Trans. on Appl. Superconductivity 5, 1432-1435 (1994).
70. Mao, S. N., Mao, Jian, Xi, X. X., Wu, D. H., Li, Q., Anlage, S. M. and Venkatesan, T. Superconducting Nd_{2-x}Ce_xCuO₄ thin films and heterostructures on sapphire. IEEE Trans. on Appl. Superconductivity 5, 1347-1350 (1994).
71. Kwon, C., Damaske, M., Li, Q., Takiuchi, I., Mao, S. N. and Venkatesan, T. Thermal activation Energy Study of Ultra-thin Layers in (Pr_xY_{1-x})Ba₂Cu₃O₇/YBa₂Cu₃O₇/(Pr_xY_{1-x})Ba₂Cu₃O₇ Trilayer Structures. IEEE Trans. on Appl. Superconductivity 5, 1355-1358 (1994).
72. Clinton, T. W., Smith, A. W., Li, Q., Peng, J. L., Greene, R. L., Lobb, C. J., Eddy, M., Tsuei, C. C. Anisotropy, Pinning and the Mixed-State Hall Effect. Phys. Rev. B (Rapid Comm.) 52, 7046-7049 (1995).
73. Ju, H. L., Gopalakrishnan, J., Peng, J. L., Li, Q., Xiong, G. X., Venkatesan, T. and Greene, R. L. Dependence of Giant Magnetoresistance on Oxygen Stoichiometry and Magnetization in Polycrystalline Nd_{0.7}Sr_{0.3}MnO_x. Phys. Rev. B 51 (Rapid Comm.), 6143-6146 (1995).

74. Mao, S. N., Wu Jiang, Xi, X. X., Li, Qi, Peng, J. L., Greene, R. L., Venkatesan, T., Beesabathina, D. P., Salamanca-Riba, L., and Wu, X. D. Characteristics of oxygen overreduced $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4-y}$ films. Appl. Phys. Lett. 66, 2137-2140 (1995).
75. Bhattacharya S, Mao S.N, Jiang W., Rajeswari M., Li Q., Xi X.X., Venkatesan T. Anomalous Optical-Response Of $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4-y}$ Superconducting Thin-Films Appl. Phys. Lett. 66, 1989-1991 (1995).
76. Storozhuk, V., Ham, Kyung-Min, Teng, T., Sooryakumar, R., Tacheuchi, I., Trajanovic, Z., Kwon, C., Li, Q. and Venkatesan, T. Phonon Anomalies in a-axis Oriented $(\text{YBa}_2\text{Cu}_3\text{O}_{7-x})_m(\text{PrBa}_2\text{Cu}_3\text{O}_{7-x})_n$ Superconducting Superlattices - Evidence for an Anisotropic Gap Function. Phys. Rev.B 51, 6021-6027 (1995).
77. Xiong, G. C., Li, Q., Ju, H. L., Mao, S. N., Senapati, L., Xi, X. X., Greene, R. L. and Venkatesan, T. Giant Magnetoresistance in Epitaxial $\text{Nd}_{0.7}\text{Sr}_{0.3}\text{MnO}_x$ Thin Films. Appl. Phys. Lett. 66, 1427-1429 (1995).
78. Xiong, G. C., Li, Q., Ju, H. L., Greene, R. L. and Venkatesan, T. Preparation and Resistive Behaviors of $\text{Nd}_{0.7}\text{Sr}_{0.3}\text{MnO}_x$ and $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_z$ Thin Films. Appl. Phys. Lett., 66, 1689-1691 (1995).
79. Xiong, G. C., Li, Q., Ju, H. L., Bhagat, S., Greene, R. L. and Venkatesan, T. Giant Magnetoresistive Memory Effect in $\text{Nd}_{0.7}\text{Sr}_{0.3}\text{MnO}_x$ films. Appl. Phys. Lett., 67, 3031-3033 (1995).
80. Xiong G.C., Li Q, Ju H., Greene R.L., Venkatesan T., Preparation And Properties Of High T-C Superconduction $\text{Yba}_2\text{cu}_3\text{o}_7$ And Ferromagnetic Oxide $\text{La}_{0.68}\text{Ba}_{0.33}\text{MnO}_3$ Multilayers IEEE Trans on Appl. Superc. 5, 1643-1645 (1995)
81. Xiong, G. C., Bhagat, S. M. Li, Q., Dominguez, M., Ju, H. L., Greene, R. L., Venkatesan, T., Beyers, J. Anomalous Magnetoconductivity of Epitaxial $\text{Nd}_{0.7}\text{Sr}_{0.3}\text{MnO}_x$ and $\text{Pr}_{0.7}\text{Sr}_{0.3}\text{MnO}_x$ Films. Solid State Comm., 97, 599-604 (1996).
82. Kwon, C., Li, Q., Kim, K. C., Robson, M. C., Trajanovic, Z., Peng, J. L., Greene, R. L., Repaci, A. M., Lobb, C., Decca, R., Drew, H. D., Ramesh, R., and Venkatesan, T. Pulsed laser deposited superlattices based on perovskite oxides. Superlattices and Microstructures 19, 169-181 (1996). (Principle author, Invited paper)
83. Ham, K. M., Soorgakumar, R., Kwon, C., Li, Q., Tacheuchi, I., Trajanovic, Z. and Venkatesan, T. Reply to charge transfer in high T_c $(\text{Y,Pr})\text{Ba}_2\text{Cu}_3\text{O}_7$ Superlattices. Phys. Rev. B53, 6838 (1996).
84. Gasparov, V. A., Batov, I. E., Kwon, C., and Li, Q. Observation of Berezinski-Kosterlitz-Thouless Transition in $(\text{PrY})\text{BaCuO}/\text{YBaCuO}/(\text{PrY})\text{BaCuO}$ Trilayers. Phys. Low-Dim. Struc. 12, 361 (1996).

85. Kwon, C., Li, Q., Takeuchi, I., Warburton, P. A., Doughty, C., Mao, S. N., Xi, X. X., and Venkatesan, T. Superconducting properties of ultrathin YBa₂Cu₃O₇ trilayers. Physica C 266, 75-80 (1996)
86. H. L. Ju, Qi Li, G. C. Xiong, T. Venkatesan, and R. L. Greene, Superparamagnetic Behavior and Giant Magnetoresistance in Oxygen Deficient R_{0.67}Sr_{0.33}MnO_z (R = Nd, Pr) Epitaxial Films, J. Appl. Phys., 79, 4552 (1996)
87. Xiong G.C., Li Q, Ju H.L., Greene R.L., Venkatesan T., Dominguez M., Lofland S.E., Bhagat S.M. Giant magnetoresistive memory effect in Nd_{0.7}Sr_{0.3}MnO_z. J. Appl. Phys. 79, 5165-5165 (1996)
88. Repaci, J. M., Kwon, C., Li, Q., Jiang, X., Venkatesan, T., Glover III, R. E., Lobb, C. J. Absence of a Kosterlitz-Thouless transition in ultrathin YBa₂Cu₃O₇ films. Phys. Rev. B (Rapid Comm.) 54, 9674-9677 (1996)
89. Gasparov, V. A., I. E. Batov, C. Kwon, and Qi Li, Observations of Berezinski-Kosterlitz-Thouless-like Transition in (PrY)BaCuO/YBaCuO/(PrY)BaCuO Trilayers, Czech. J. Phys. 46, 1401 (1996)
90. Smith, A. W., T. W. Clinton, W. Liu, C. C. Tsuei, A. Pique, Qi Li and C. J. Lobb, Pinning and the intrinsic magnetic-field dependence of the mixed-state Hall conductivity in amorphous Mo₃Si and YBa₂Cu₃O_{7-x}, Phys. Rev. B (Rapid Comm.), 56, R2944 (1997). (Equal co-author)
91. Repaci, J. M., C. Kwon, Qi Li, X. Jiang, R. E. Glover III, C. J. Lobb, R. Newrock, "Is there a Kosterlitz-Thouless transition in YBCO film?", Physica C, 282-287, 2081 (1997).
92. Wang, H.S. and Li, Qi. Stain-induced large low-field magnetoresistance in Pr_{0.67}Sr_{0.33}MnO_x ultrathin films. Appl. Phys Lett 73, 2360 (1998). .
93. Wang, H.S. and Li, Qi. Strain, anisotropy and magnetoresistance in thin Pr_{2/3}Sr_{1/3}MnO₃ films. J. Modern Phys B, 12, 3372 (1998) (Advising author, invited).
94. Wang, H. S., Li, Qi., K. Liu, and C. L. Chen. Low-field magnetoresistance anisotropy in ultrathin Pr_{2/3}Sr_{1/3}MnO₃ films on different substrates. Appl. Phys. Lett., 74, 2212 (1999) .
95. Rubinstein, M., Lubitz, P., Wang, H.S. and Li, Qi. Ferromagnetic resonance in an ultrathin manganate film. Solid State Commun, 109, 745 (1999). .
96. Zhu, X. D., Si, W., Xi, X. X., Li, Qi., Jiang, Q. D. and Medici, M.G. Oxidation kinetics in La_{0.67}Ba_{0.33}MnO_{3-z} epitaxy on SrTiO₃ (001) during pulsed-laser deposition. Appl. Phys. Lett., 74, 3540 (1999). .
97. Li, Qi and Wang, H. S. Low field magnetoresistance anisotropy in strained ultrathin manganite films. Int. J. Modern Physics B13, 3827 (1999). .
98. Wu, X. W., Rzchowski, M. S., Wang, H. S. and Li, Q. Strain-induced magnetic properties of Pr_{2/3}Sr_{1/3}MnO₃ films. Phys. Rev. B, 61, 501 (2000). .

99. Wang, H. S., Wertz, E., Hu, Y.F., and Li, Qi. Role of strain in magnetotransport properties of thin $\text{Pr}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ films. J. Appl. Phys., 87, 7409 (2000) .
100. Wang, H.S., Wertz, E., Hu, Y.F., and Li, Qi. Large low-field magnetoresistance in strained ultrathin $\text{Pr}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ films. J. Appl. Phys., 87, 6749 (2000) .
101. Li, Qi, Wang, H.S., Hu, Y.F. and Wertz, E. Anomalous anisotropic magnetoresistance in $\text{Pr}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ thin films. J. Appl. Phys., 87, 5573 (2000) .
102. Gasparov, V.A., Ermolov, S.N., Khassanov, S.S., Strukova, G.K., Gasparov, L.V., Wang, H.S., Li, Q., Schnider, M., Richter, W., Glaser, E., Schmidl, F., Seidel, P. and Brandt, B. L. Superconducting, surface and anomalous electron transport properties of BaNbO_{3-x} films Physica B, 284, 1119 (2000) .
103. Gilabert, A., Cauro, R., Medici, M.G., Grenet, J.C., Wang, H.S., Hu, Y.F. and Li, Q. Photoconductivity in manganites, J. of Superc., 13, 285 (2000) .
104. Gasparov, V.A., Batov, I.E., Li, Q. and Kwon, C. Frequency and temperature dependence of complex conductance of ultrathin $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films: a study of vortex-antivortex pair unbinding, Physica B 284,1021 (2000) .
105. Li, Q. and Wang, H.S. Anomalous Domain Wall Magnetoresistance in Ultrathin Manganite Films Near M-I Transition Boundary. J. of Superconductivity: Incorporating Novel Magnetism, 14, 231 (2001). (Advising author, Invited).
106. Li, Q. , Hu, Y. F., and Wang H.S. Domain Wall Resistance in Ultrathin Manganite Films, J. Appl. Phys. 89, 6952 (2001) .
107. Liu, Z. K., Schlom D. G., Li, Qi, Xi, X. X., Thermodynamics of the Mg-B system: Implications for the deposition of MgB₂ thin films, Appl. Phys. Lett., 78, 3678-3680 (2001) .
108. Zeng, X. H., Sukiasyan, A., Xi, X. X., Hu, Y. F., Wertz, Li, Qi, Tian, W., Sun, H. P., Pan, X. Q., Lettieri, J., Schlom, D. G., Brubaker, C. O., and Liu, Zi-Kui., Li, Qiang, Superconducting properties of nanocrystalline MgB₂ thin films made by an in-situ annealing process, Appl. Phys. Lett. 79, 1840 (2001) .
109. Ren, Y.H., Zhang, X.H., Luepke, G., Schneider, Onellion, M., Perakis, I. E., Hu, Y.F., and Li, Qi Observation of strongly damped GHz phonon-polariton oscillation in $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$, Phys. Rev. B, 64, 144401 (2001) .
110. Liu, Zi-Kui, Zhong, Yu, Schlom, D. G., Xi, X. X. and Li, Qi. Computational Thermodynamic Modeling of the Mg-B System, Calphad, Vol. 25, 299 (2001) .
111. Tipparach, U., Chen, T-P., Wagner, J. L., Wu, K., Chen, Q. Y., Li, Q., Wang, J. T., Yang, H. C., Horng, H.-E. Fabrication and transport studies on $\text{PrBa}_2(\text{Cu}_{1-x}\text{M}_x)_3\text{O}_7$: M = Ga, Zn, and Co, Physica C. 364-365, 404 (2001) .
112. Wu, K., Tipparach, U., Chen, T. P., Li, Q., Zeng, X. H., Wert, E., Wagner, J. L., Chen, C. Y., Wang, J. T., Yang, H. C., and Horng, H. E., Transport Studies on Nanometer Thick

YBa₂Cu₃O_{7-d} Multilayers Using YBa₂Cu₃O₇ and PrBa₂(Cu_{0.8}Ga_{0.2})₃O₇ as buffer layers, J. Mod. Phys. B, 15, 3317 (2001) .

113. Xi, X. X., Zeng, X. H., Sukiasyan, A., Jones, J., Hotchkiss, J., Zhong, Yu, Brubaker, C. O., Liu, Zi-Kui, Lettieri, J., Schlom, D. G., Hu, Y. F., Wertz, E., Li, Qi, Tian, W., Sun, H. P., and Pan, X. Q. Thermodynamics and Thin Film Deposition of MgB₂ Superconductors. Superconductor Science and Technology 15, 451 (2002)
114. MacLaren, I., Wang, Z. L., Wang, H. S., and Li, Qi, The Effects Of Film-Substrate Mismatch On Pr_{0.7}Ca_{0.3}mno₃ Thin Films. Phil. Mag. 82, 1405 (2002).
115. Ren, Y.H., Zhang, X.H., Luepke, G., Hu, Y.F., Li, Qi. Strain-Dependent Spin Dynamics In Nd_{2/3}Sr_{1/3}mno₃ Near The Metal Insulator Transition, J. Appl. Phys. 91, 7514 (2002).
116. MacLaren, I., Wang, Z. L., Wang, H. S., and Li, Qi. Strain induced Crystal structure change in ultrathin films of Pr_{0.67}Sr_{0.33}MnO_{3-x}. Appl. Phys. Lett. 80, 1406 (2002).
117. Zeng, Xianghui, Pogrebnyakov, Alexej V., Kotcharov, Armen, Jones, James, Xi, X X., Wertz, Eric, Lysczek, W., Redwing, Joan M., Xu, Shengyong, Li, Qi, Lettieri, James, Schlom, Darrell G., Tian, Wei, Pan, Xiaoqing, Liu, Zi-kui, In situ epitaxial MgB₂ thin films for superconducting electronics, Nature Materials, 1, 35 (2002).
118. So, Jin H., Gladden, J. R., Hu, Yufeng, Maynard, J. D., and Li, Q. Measurements of Elastic Constants in Thin Films of Colossal Magnetoresistance Material, Phys. Rev. Lett. 90, 036103 (2003).
119. Xi, X X., Zeng, X. H., Pogrebnyakov, A. V., Xu, S. Y., Li, Qi, Zhong, Yu, Brubaker, C. O., Liu, Zi-Kui, Lysczek, E. M., Redwing, J. M., Lettieri, J., Schlom, D. G., Tian, W., and Pan, X. Q. *In Situ* Growth of MgB₂ Thin Films by Hybrid Physical-Chemical Vapor Deposition, IEEE Transactions On Applied Superconductivity, Vol. 13, 3233 (2003).
120. Zeng, X. H., Pogrebnyakov, A. V., Zhu, M. H., Jones, J. E., Xi, X X., Xu, S. Y., Wertz, E., Li, Qi, Redwing, J. M., Lettieri, Vaithyanathan, V., Schlom, D. G., Liu, Zi-Kui, Trithaveesak, O., Schubert, J., Superconducting MgB₂ Thin Films on Silicon Carbide Substrates by Hybrid Physical-Chemical Vapor Deposition, Appl. Phys. Lett. 82, 2097 (2003) .
121. Pogrebnyakov, A. V., Redwing, J. M., Jones, J. E., Xi, X X., Xu, S. Y., Li, Qi, Vaithyanathan, V., Schlom, D. G. Thickness dependence of the properties of epitaxial MgB₂ thin films grown by hybrid physical-chemical vapor deposition, Appl. Phys. Lett. 82, 4319 (2003) .
122. Xi, X. X., Zeng, X. H., Pogrebnyakov, A. V., Sukiasyan, A., Xu, S. Y., Hu, Y. F., Wertz, E., Li, Qi, Liu, Zi-Kui, Redwing, J. M., Lettieri, J., Schlom, D. G., Tian, W., Sun, H. P., and Pan, X. Q. Deposition and properties of superconducting MgB₂ thin films. J. of Superc. 16, 801 - 806 (2003).

123. Rowell, J. M., Xu, S. Y., Zeng, X. H., Pogrebnaykov, A. V., Li, Qi, Xi, X X., Redwing, J. M., Tian, W., and Pan, Xiaoqing. Critical current density and resistivity of MgB₂ thin films, *Appl. Phys. Lett.* 83, 102 (2003).
124. Xu, S. Y., Wertz, E., Hu, Y. F., Li, Qi, Pogrebnaykov, A. V., Zeng, X. H., Xi, X. X., and Redwing, J.. High critical current and vortex pinning of *in situ* epitaxial MgB₂ thin films., *Phys. Rev. B*, 68, 224501-8 (2003).
125. Xi, X X., Zeng, X. H., Pogrebnaykov, A. V., Xu, S. Y., Li, Qi, Redwing, J. M., Lettieri, J., Vaithyanathan, V., Schlom, D. G., Liu, Zi-Kui, Christen, H.M., Zhai, H.Y., Goyal, A. Progress in the Deposition of MgB₂ Thin Films, *Superc. Science and Technology*, 17, s196 (2004)
126. W. Yi, W. MoberlyChan, V. Narayanamurti, Y. F. Hu and Q. Li, I. Kaya, M. Burns, and D. M. Chen. Characterization of spinel iron-oxide nanocrystals grown on Fe whiskers, *J. Appl. Phys.* 95, 7136 (2004)
127. S. R. Shinde S. B. Ogale, J. Higgins, R. J. Choudhary, V. N. Kulkarni, T. Venkatesan, H. Zheng, R. Ramesh, A. V. Pogrebnaykov, S. Y. Xu, Qi Li, X. X. Xi, J. M. Redwing, and D. Kanjilal, Modification of critical current density of MgB₂ films irradiated with 200 MeV Ag ions, *Appl. Phys. Lett.* 84, 2352 (2004)
128. A. V. Pogrebnaykov, X. X. Xi, J. M. Redwing, V. Vaithyanathan, D. G. Schlom, A. Soukiassian, S. B. Mi, C. L. Jia, J. E. Giencke, C. B. Eom, J. Chen, Y. F. Hu, Y. Cui, and Qi Li. Properties of MgB₂ thin films with carbon doping, *Appl. Phys. Lett.* 85, 2017 (2004)
129. Z. X. Ye, Qiang Li, Y. F. Hu, A. V. Pogrebnaykov, Y. Cui, X. X. Xi, J. M. Redwing, Qi Li. Electron scattering dependence of dendritic magnetic instability in superconducting MgB₂ films, *Appl. Phys. Lett.* 85, 5248 (2004), Virtual Journal of Applications of Superconductivity, Dec. 15 (2004)
130. Y.H. Ren, H.B. Zhao, G. Lupke, C.S. Hong, N.H. Hur, Y.F. Hu, and Q. Li. Ultrafast photoinduced reflectivity transients in doped manganite. *J. Chem. Phys.* 121, 436 (2004)
131. A.V. Pogrebnaykov, J.M. Redwing, S. Raghavan, V. Vaithyanathan, D.G. Schlom, S.Y. Xu, Qi Li, D. A. Tenne, A. Soukiassian, X. X. Xi, M. D. Johannes, D. Kasinathan, W. E. Pickett, J. S.Wu, and J. C. H. Spence. Enhancement of the Superconducting Transition Temperature of MgB₂ by a Strain-Induced Bond-Stretching Mode Softening, *Phys. Rev. Lett.* 93, 147006 (2004)
132. R. Gandikota, R. K. Singh, and J. Kim, B. Wilkens, N. Newman, J. M. Rowell, A. V. Pogrebnaykov, X. X. Xi, J. M. Redwing, S. Y. Xu and Q. Li. Effect of damage by 2 MeV He ions on the normal and superconducting properties of magnesium diboride, *Appl. Phys. Lett.* 86, 012508 (2005)
133. V. Braccini, A. Gurevich, J.E. Giencke, M.C. Jewell, C.B. Eom, D.C. Larbalestier, A. Pogrebnaykov, Y. Cui, B. T. Liu, Y. F.Hu, J. M. Redwing, Qi Li, X.X. Xi, R.K. Singh, R. Gandikota, J. Kim, B. Wilkens, N. Newman, J. Rowell, B. Moeckly, V. Ferrando, C. Tarantini, D. Marré, M. Putti, C. Ferdeghini, R. Vaglio, and E. Haanappel. High-field superconductivity in alloyed MgB₂ thin films. *Phys. Rev. B*, 71, 012504 (2005)

134. Mingliang Tian, Shengyong Xu, Jinguo Wang, Nitesh Kumar, Eric Wertz, Qi Li, Paul M. Campbell, Moses H.W. Chan, and Thomas E. Mallouk, Penetrating the oxide barrier *in situ* and separating freestanding porous anodic alumina films in one step. *NanoLetter* 5, 697 (2005).
135. D. Talbayev, H. Zhao, G. Luepker, J. Chen, and Qi Li, Strain and anisotropy effects on spin waves in epitaxial $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ films, *Appl. Phys. Lett.* 86, 182501 (2005), May 2005 issue of Virtual Journal of Ultrafast Science.
136. V. A. Gasparov, G. Tsydynzhapov, I.E. Batov and Qi Li, Temperature and Frequency Dependence of Complex Conductance of Ultrathin $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Films: A Study of Vortex-Antivortex Pair Unbinding, *Journal of Low Temperature Physics*, 139, p. 49 (2005).
137. R. Gandikota, R. K. Singh, J. Kim, B. Wilkens, N. Newman, J. M. Rowell, A. V. Pogrebnyakov, X. X. Xi, J. M. Redwing, S. Y. Xu, Q. Li, B. H. Moeckly, Effect of damage by 2 MeV He ions and annealing on Hc_2 in MgB_2 thin films, *Appl. Phys. Lett.* 87, 072507 (2005).
138. D. Mijatovic, A. Brinkman, a_ D. Veldhuis, H. Hilgenkamp, H. Rogalla, G. Rijnders, D. H. A. Blank, A. V. Pogrebnyakov, J. M. Redwing, S. Y. Xu, Q. Li, and X. X. Xi, SQUID magnetometer operating at 37 K based on nanobridges in epitaxial MgB_2 thin films, *Appl. Phys. Lett* 87, 192905 (2005).
139. V. Ferrando, a P. Orgiani, b A. V. Pogrebnyakov, J. Chen, Qi Li, J. M. Redwing, X. X. Xi, J. E. Giencke, Chang-Beom Eom, Qing-Rong Feng, J. B. Betts and C. H. Mielke, High upper critical field and irreversibility field in MgB_2 coated-conductor fibers, *Appl. Phys. Lett* 87, 252509 (2005)
140. A. Venimadhav, A. Soukiassian, D. A. Tenne and Qi Li, X. X. Xi, D. G. Schlom, R. Arroyave, Z. K. Liu, H. P. Sun, Xiaoqing Pan, Minhyea Lee and N. P. Ong, Structural and transport properties of epitaxial Na_xCoO_2 thin films, *Appl. Phys. Lett.* 87, 172104 (2005)
141. Z.X. Ye, Q. Li, Y. F. Hu, A. V. Pogrebnyakov, Y. Cui, X. X. Xi, J. M. Redwing, and Qi Li Magneto-optical imaging studies of flux propagation in ultra-pure and carbon-doped MgB_2 thin films, *IEEE TRAN. APPL. SUPERC.* 15, 3273-3276 (2005)
142. A. V. Pogrebnyakov, J. M. Redwing, J.E. Giencke, C.B. Eom, V. Vaithyanathan, D. G. Schlom, A. Soukiassan, S. B. Mi, C.L. Jia, J. Chen, Y. F. Hu, Y. Cui, Qi Li, X.X. Xi, Carbon-doped MgB_2 thin films grown by hybrid physical-chemical vapor deposition, *IEEE TRAN. APPL. SUPERC.* 15, 3321 (2005)
143. Shane A. Cybarta, Ke Chen, Y. Cui, Qi Li, X. X. Xi, R. C. Dynes, Planar MgB_2 Josephson junctions and series arrays via nanolithography and ion damage, *Appl. Phys. Lett* 88, 012509 (2006).
144. D. Talbayev, H. Zhao, G. Lupke, A. Venimadhav, and Qi Li, Photoinduced coherent magnetization precession in epitaxial $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ films, *Phys. Rev. B* 73, 014417 (2006)

145. Qi Li, B. T. Liu, Y. F. Hu, J. Chen, H. Gao, L. Shan, H. H. Wen, A. V. Pogrebnyakov, J. R. Redwing, X. X. Xi, Large anisotropic normal-state magnetoresistance in clean MgB₂ thin films, *Phys. Rev. Lett.*, 96, 167003 (2006).
146. K. Chen, Y. Cui, Qi Li, X.X. Xi, S. Cybart, R. C. Dynes, X. Weng, E. C. Dickey, and J. M. Redwing, Planar MgB₂ superconductor-normal metal-superconductor Josephson junctions fabricated using epitaxial MgB₂ /TiB₂ bilayers, *Appl. Phys. Lett.*, 88, 222511(2006).
147. Y.H. Ren, G. Lupke, Y.F. Hu, and Q. Li, C.S. Hong, N.H. Hur, and R. Merlin, Anomalous first-to-zero sound crossover in La_{1-x}Ca_xMnO₃, *Phys. Rev. B*, 74, 012405 (2006).
148. P. Orgiani, Y. Cui, J. Chen, V. Ferrando, A.V. Pogrebnyakov, J.M. Redwing, Qi Li, and X.X. Xi, MgB₂ films, fibers and heterostructures grown by an innovative Hybrid Physical-Chemical Vapor Deposition technique, *Advances in Science and Technology* 47, 55 (2006).
149. Y. Cui, K. Chen, Qi Li, X. Xi, and J. M. Rowell, Degradation-free interfaces in MgB₂/insulator/Pb Josephson tunnel junctions, *Appl. Phys. Lett.* 89, 202513 (2006).
150. J. Chen, V. Ferrando, P. Orgiani, A. V. Pogrebnyakov, R. H. T. Wilke, J. B. Betts, C. H. Mielke, J. M. Redwing, X. X. Xi, and Qi Li, Enhancement of flux pinning and high-field critical current density in carbon-alloyed MgB₂ thin films, *Phys. Rev. B*. 74, 174511 (2006).

Parts of Books

1. Geerk, J., Linker, G., Meyer, O., Li, Q., Wang, R. L. and Xi, X. X. Electron Tunneling into YBa₂Cu₃O₇ Thin Films. in Electronic Properties of High-Tc Superconductors and Related Compounds, eds. H. Kuzmany, M. Mehring and J. Fink, (Springer-Verlag Berlin, Heidelberg 1990), p. 79.
2. Meyer, O., Geerk, J., Li, Q., Linker, G. and Xi, X. X.. YBaCuO thin films: Epitaxial growth, properties and the influence of ion irradiation. in Progress in High Temperature Superconductivity, Vol. 19, eds. A. C. Ku and P. T. Wu, (World Scientific, 1990).
3. Venkatesan, T., Xi, X. X., Li, Q., Wu, X. D., Muenchausen, R., Pique, A., Edwarda, R. and Mathews, S. Pulsed Laser and Cylindrical Magnetron Sputter Deposition of Epitaxial Metal Oxide Thin Films. in Frontiers in Solid State Sciences, eds. L. C. Gupta and M. S. Multani, (World Scientific, Singapore, 1992), p.625-651.
4. Li, Q., Xi, X. X., and Venkatesan, T. Superconducting Properties and Two Dimensional Transport Behaviour in YBa₂Cu₃O_{7-x}-based Superlattices. in High Tc Superconductor Thin Films, p. 13, Edt by L Corraera,(Elsevier Science) 1992.
5. Venkatesan, T., Li, Q. and Xi, X. X. Pulsed Laser Deposition of High Temperature Superconducting Thin Films and Hetero-Structures. in Laer Ablation, Mechanisms and Applications, eds. J. C. Miller and R. F. Haglung, Jr., (Springer-Verlag, Berlin, 1991), p.12.
6. Venkatesan, T., Bhattacharya, T., Doughty, S., Findikoglu, A. T., Kwon, C., Li, Q., Mao, S. N., Walkenhorst, A. and Xi, X. X. Pulsed laser deposited metal-oxide based superconductor, semiconductor and dielectric heterostructures and superlattices. in Multicomponent and Multilayered Thin Films for Advanced Microtechnologies: Techniques, Fundamentals and Devices, eds. O. Auciello and J. Engeman, (Kluwer Academic Publishers, Dordrecht, 1993), p.209.
7. Li, Q. High Tc ultrathin films and superlattices. in “Pulsed Laser Deposition of Thin Films”, eds. Graham K. Hubler and Douglass B. Chrisey, (John Wiley & Sons, New York, 1994), p.535. (Primary Author)
8. Gasparov, V. A., Batov, I. E., Kwon, C., and Li, Qi. Studies of Berezinski-Kosterlitz-Thouless Transition in (PrY)BaCuO/YBaCuO/(PrY)BaCuO Trilayers, in Oxide Superconductor Physics and nano-Engineering II, eds. D. Pavuna and I. Bozovic, (Bellinghaim, 1997), N2697, p. 391.
9. Li, Qi and Wang, H. S. Strain and Magnetoresistance anisotropy of Pr_{2/3}Sr_{1/3}MnO₃ ultrathin films, in Nano-Crystalline and Thin Film Magnetic Oxides, eds. I. Nedkov and M. Ausloos (Kluwer Academic Publishers), p. 133 (1999) .

Articles published in conference journals

1. Xi, X. X., Schauer, W., Windte, V., Meyer, O., Linker, G., Li, Q., Geerk J. High Critical Current Density in Ultrathin YBCO Films. Proc. of MRS, 169, 867-870 (1990).

2. Geerk, J., Li, Q., Linker, G., Meyer, O. and Xi, X. X. Relation Between Growth Quality and Critical Current Density in Sputtered YBaCuO Thin Films. Proc. Workshop "Problems and Prospects of the Critical Current of New High Temperature Superconductors", ISTEC, Tokyo, Feb. 1-3. 1989, p. 67-70. (Equal author, Invited paper)
3. Inam, A., Li, Q., Xi, X. X., Wu, X. D., Dutta, B., Ramesh, R., Martinez, J. A., Wilkens, B., Barner, J. B., Nazar, L., Hwang, D. M., Chang, C. C., Schwarz, S. A., Dorsett, H., DiDomenico, L., Weiss, C., Findikoglu, A., Hemmick, D., Tarascon, J. M., Rogers, C. T. and Venkatesan, T. High Tc Superconducting Electronics Research at Bellcore/Rutgers. Proc. of SPIE Conf. on Processing of Films for High Temperature Superconducting Electronics, Santa Clara, CA, Oct. 10-12, 1989, p. 136. (Equal author, Invited paper)
4. Wu, X. D., Hegde, M. S., Xi, X. X., Li, Q., Inam, A., Schwarz, S. A., Martinez, G. A., Wilkens, B., Barner, J. B., Chang, C. C., Nazar, L., Rogers, C. T. and Venkatesan, T. Fabrication of Y_y-Pr_{1-y}-Ba-Cu-O Thin Films and Superlattices of Y-Ba-Cu-O/Y_y-Pr_{1-y}-Ba-Cu-O. Proc. of MRS 169, 553 (1990).
5. Meyer, O., Geerk, J., Kroener, T., Li, Q., Linker, G., Strehlau, B., and Xi, X. X., Ion Beam Modification of High-Tc Superconductors. Proc. of MRS 165 (1990). (Equal author, Invited paper)
6. Linker, G., Geerk, J., Li, Q., Meyer, O., Ratzel, F., Smithey, R., Strehlau, B. and Xi, X. X. Epitaxial Growth and Properties of YBaCuO Thin Films. Proc. of German-Soviet Seminar on Spectroscopic Methods in HTSC, Tallinn, Estonia, Oct. 1990.
7. Wu, X. D., Venkatesan, T., Inam, A., Xi, X. X., Li, Q., Chang, C. C., Ramesh, R., D. M. Hwang, Nazar, L., Wilkens, B., Schwarz, S. A., Ravi, S., Martinez, J. A., Barner, J. B., England, P., Rogers, C. T., and Tarascon, J. M. Pulsed Laser Deposition of High Temperature Superconducting Thin Films: Present and Future. Proc. of MRS 191, 129 (1990) (Equal author, Invited paper)
8. Ramesh, R., Ravi, T. S., Hwang, D. M., Chang, C. C., Xi, X. X., Inam, A., Li, Q., Wu, X. D. and Venkatesan, T. Direct Observation of the Defect Structure and Structural Interfaces in Laser Deposited Y-Ba-Cu-O Thin Films. Proc. of the 10th Intern. Congress for Electron Microscopy (San Francisco Press Inc., 1990). (Equal author, invited paper)
9. Findikoglu, A., Fathy, A., Kalokitis, D., Pendrick, V., Inam, A., Ramesh, R., Wilkens, B., Barner, J. B., Hart, D., Xi, X. X., Li, Q., McLean, W. L. and Venkatesan, T. Microwave Characterization of High-Temperature Super-conducting Thin Films. Proc. of Yagi Symp. on Advanced Technology Bridging the Gap between Light and Microwave, Sendai, Japan, Sept. 25-27, 1990, p171.
10. Xi, X. X., Qi Li, C. Doughty, A. Walkenhorst, S. N. Mao, C. Kwon, S. Bhattacharya, A. T. Findikoglu, and T. Venkatesan, "High Tc Field-Effect Transistor-like Structures Made From YBCO Ultrathin Films", "Progress in High Temperature Superconducting Transistors and Other Devices", R. Singh, M. Nisenoff, D. Pavana, Editors, Proc. SPIE 1597, 118-129 (1991). (Equal author, Invited paper)
11. Xi, X. X., Venkatesan, T., Etemad, S., Hemmick, D. and Li, Q. Anomalous Optical Response of YBa₂Cu₃O_{7-x} Thin Films During Superconducting Transitions", in "Superconductivity Applications for Infrared and Microwave Device II". Edited by O. Heinen, K. B. Bhasin, Proc. of SPIE 1477, 20-32 (1991). (Equal author, Invited paper)

12. Li, Qi, Kwon, C., Bhattacharya, S., Doughty, C., Mao, S., Xi, X. X., and Venkatesan, T. Effects of dimensional crossover on anisotropic pinning behaviors in a model high T_c superconductors: YBCO/(Pr_x Y_{1-x})BCO superlattices. Proc. of the 5th ISTEC International Workshop on Superconductivity, p. 120, Hakodate, Japan, (1993). (Principal author, Invited paper)
13. Bhattacharya, S., Rajeswary, M., Xi, X. X., Li, Q. and Venkatesan, T. Optical response of superconducting YBa₂Cu₃O_{7-x} thin films and grain boundaries. Proc. of SPIE meeting, vol. 2159, p. 128, (1994).
14. Li, Q., Kwon, C., Doughty, C., Bhattacharya, S., Mao, S., Xi, X., Venkatesan, T., Ham, K-M and Sooryakumar, R. Superconducting YBa₂Cu₃O_{7-x} ultrathin films and superlattices. in "Superconducting superlattices and Multilayers", ed. I. Bozovic, in Proc. of SPIE meeting, vol. 2159, p. 128, (1994). (Principal author, Invited paper)
15. Li, Qi. Giant Magnetoresistance Behaviors of Nd_{0.7}Sr_{0.3}MnO_x Thin Films and Other Oxides. Proc. of INTERMAG 95, San Antonio, TX, (1995) (Principal author, Invited paper)
16. Li, Q., Wang, H. S., Hu, Y. F. and Wertz, E. Anomalous Magnetoresistance Effect in Strained Manganite Ultrafilm. Magnetoresistive Oxides and Related Materials, Proc. of MRS meeting, v.602, (2001). (Principle author, Invited paper)
17. Wang, H. S., Hu, Y. F. Wertz E., and Li, Q. Anomalous anisotropic magnetoresistance effect in strained manganite films, Magnetoresistive Oxides and Related Materials, Proc. of MRS meeting, v.602, (2001).
18. Hu, Y. F., Wang, H. S., Wertz E., and Li, Q. The role of strain in low-field magneto-transport properties of manganite thin films, Magnetoresistive Oxides and Related Materials, Proc. of MRS meeting, v.602, (2001).
19. J. M. Redwing, A. Pogrebnyakov, and S. Raghavan, and J. E. Jones, and X. X. Xi, and S. Y. Xu, and Qi Li, and Z. K. Liu, and V. Vaithyanathan, and D. G. Schlom, Epitaxial growth of magnesium diboride thin films by hybrid physical-chemical vapor deposition, MRS Symp. Proc. EXS-3, 153 (2004).
20. A. Venimadhav, Z. Ma, Qi Li, A. Soukiassian, X. X. Xi, D. G. Schlom, R. Arroyave, Z. K. Liu, Minhyea Lee, and N. P. Ong, Thermoelectric properties of epitaxial and topotaxial Na_xCoO₂ thin films, MRS Symp. Proc. F (2006).

US Patent

Patent application, serial No. 10/976,123, "Doping of Magnesium Diboride Thin Films during the Hybrid Physical-Chemical Vapor Deposition Process", Alexej Pogrebnyakov, Xiaoxing Xi, Joan M. Redwing, and Qi Li

Invention Disclosure 2005, "Magnesium Diboride Josephson Junctions with Borides as Barrier Materials", Ke Chen, Yi Cui, Xiaoxing Xi, Qi Li, Shane A. Cybert, and Robert C. Dynes.

Invited talks in conferences, colloquium, and seminars

1. September, 1988, KFA Jülich, Germany, “Ion beam analysis of the epitaxial growth of high T_C thin films” (Colloquium)
2. October, 1988, Siemens Research Lab, Erlangen, Germany, “Ion beam analysis of the epitaxial growth of high T_C thin films” (Seminar)
3. November, 1988, CSNSM, Orsay, France, “Growth characterization of epitaxial YBCO thin films on different substrates by ion beam method” (Colloquium)
4. November, 1988, CNRS, Grenoble, France, “Growth characterization of epitaxial YBCO thin films on different substrates by ion beam method” (Seminar)
5. March, 1989, Philips Research Lab, Eindhoven, the Netherland, “Growth characterization of epitaxial YBCO thin films on different substrates by ion beam method” (Seminar)
6. March, 1989, University of Twente, the Netherland, “Growth characterization of epitaxial YBCO thin films on different substrates by ion beam method” (Condensed Matter seminar)
7. June, 1989, Bellcore, Red Bank, “Growth characterization of epitaxial YBCO thin films on different substrates by ion beam method” (Seminar)
8. May, 1990, Texas Center for Superconductivity, University of Texas at Houston, “High T_C Superconducting Layered Structures”. (Condensed Matter seminar)
9. July, 1990, Center for Superconductivity Research, Department of Physics, University of Maryland, “High T_C Superconducting Layered Structures”. (Condensed Matter seminar)
10. May, 1990, Conference on Science and Technology of Thin Film Superconductors II, “High T_C Superconducting Layered Structures”, Denver, Colorado.
11. May, 1991, European-MRS/ICAM, “Superconducting Properties and Two- Dimensional Transport Behavior In YBCO-Based Superlattices”, Strasbourg, France.
12. July, 1991, International Workshop on Chemical Designing and Material Processing of High T_C Superconductors, “Growth and Superconducting Properties of YBCO-based Superlattices”, Karuizawa, Japan
13. May, 1992, LETI, Grenoble France, ”Superconducting properties and two dimensional transport behavior in YBCO-based superlattices” (Colloquium)
14. May, 1992, INFP, Kernforschungszentrum, Karlsruhe, “Superconducting properties and two dimensional transport behavior in YBCO-based superlattices”. (Colloquium)
15. May, 1992, CLEO’ 1992, “High T_C Multilayers and Superlattices Made by Pulsed-laser Deposition”, Anaheim, CA.
16. May, 1993, Department of Materials Science and Chemical Engineering, University of Maryland, “Growth and superconducting properties of YBCO Ultrathin Films and Superlattices.” (Seminar)

17. June, 1993, Department of Physics, Modern Physics Center, Peking University “Superconducting YBCO Ultrathin Films and Superlattices.” (Colloquium)
18. June 30, 1993, The 5th ISTE International Workshop on Superconductivity, “Effects of Dimensional Crossover on Anisotropic Pinning Behaviors in a Model High Tc Superconductor: $\text{YBa}_2\text{Cu}_3\text{O}_{7-d}/(\text{Pr}_x\text{Y}_{1-x})\text{Ba}_2\text{Cu}_3\text{O}_{7-d}$ superlattices.”, Hakodate, Japan.
19. Jan 28, 1994, SPIE, Symposium on multilayer and superlattices, “Superconducting $\text{ReBa}_2\text{Cu}_3\text{O}_{7-d}$ ultrathin film and superlattices”, Los Angeles, CA.
20. March 24, 1994, APS March Meeting, “From Unit cells to Superlattices of Metal Oxides: Artificial Structures by Pulsed-Laser Deposition”, Pittsburgh, PA.
21. April 6, 1994, MRS Spring meeting, Symposium S, “Superconducting $\text{ReBa}_2\text{Cu}_3\text{O}_{7-d}$ ultrathin film and superlattices”, San Francisco, CA.
22. July, 1994, Department of Physics, University of Paris 6 and 7, Paris, France “Superconducting $\text{ReBa}_2\text{Cu}_3\text{O}_{7-d}$ ultrathin film and superlattices” (Condensed Matter seminar)
23. July, 1994, Max-Planck Institut at Stuttgart, Germany, “Superconducting $\text{ReBa}_2\text{Cu}_3\text{O}_{7-d}$ ultrathin film and superlattices”. (Colloquium)
24. July 6, 1994, International Conference on Materials and Mechanisms of Superconductivity IV ($\text{M}^2\text{S-HTSC-IV}$), “ $\text{ReBa}_2\text{Cu}_3\text{O}_{7-d}$ ultrathin film and superlattices”, Grenoble, France.
25. December 9, 1994, Department of Physics, Boston University, “Superconducting Properties of YBCO Ultrathin Films and Superlattices.” (Condensed Matter seminar)
26. January, 1995, Department of Physics, Penn State University, “Superconducting Properties of YBCO Ultrathin Films and Superlattices.” (Condensed Matter seminar)
27. February, 1995, Department of Physics, University of North Carolina at Chapel Hill, “Superconducting Properties of YBCO Ultrathin Films and Superlattices.” (Condensed Matter seminar)
28. February, 1995, Department of Physics, University of North Carolina at Chapel Hill, “Colossal Magnetoresistance in Doped Manganese Oxides.” (Colloquium)
29. April 30, 1995, Intermag 95, “Giant Magnetoresistance in Nd-Sr-Mn-O Thin Films and Other Oxides”, San Antonio, Texas.
30. July 2, 1996, International summer workshop on giant and colossal magnetoresistance effects and its application, “Recent progress in colossal magnetoresistance effects”, Beijing, China.
31. July 2, 1996, International summer workshop on giant and colossal magnetoresistance effects and its application, “Interplay between lattice, charge, and spin in manganites” Beijing, China.

32. July 3, 1996, International summer workshop on giant and colossal magnetoresistance effects and its application, “Colossal magnetoresistance behaviors in doped manganese thin films-I”, Beijing, China.
33. July 3, 1996, International summer workshop on giant and colossal magnetoresistance effects and its application, “Colossal magnetoresistance behaviors in doped manganese thin films-II”, Beijing, China.
34. July 4, 1996, International summer workshop on giant and colossal magnetoresistance effects and its application, “Current models and application of colossal magnetoresistance behaviors”, Beijing, China.
35. July, 1996, Department of Physics, Peking University, “Colossal Magnetoresistance In Manganites” (Colloquium)
36. February, 1997, Department of Physics, Indiana University of Pennsylvania, “Colossal Magnetoresistance behaviors in Ferromagnetic Oxides” (Colloquium)
37. July, 1997, Science lecture series, Penn State, “Science and Technology of Giant and Colossal Magnetoresistance Materials”.
38. April, 1998, Department of Mathematics, Penn State, “Introduction to Superconductivity and Vortices”. (Applied math seminar)
39. May, 1998, Department of Physics, University of Wisconsin at Madison, “Strain and Anisotropic Magnetoresistance in Pr-Sr-Mn-O Very Thin Films”. (Condensed Matter seminar)
40. Feb. 1998, International conference on new discoveries, theories, and materials of high Tc superconductors and other related metal-oxides, “Strain, anisotropy, and low field magnetoresistance effects in Pr-Sr-Mn-O ultrathin films”, Baton Rouge, Louisiana.
41. October 2, 1998, NATO ARW on Ferimagnetic Nano-crystalline and Thin Film Magneto-optical and MW Materials, “Strain Effect and Magnetoresistance Anisotropy in Very Thin Manganite Films”, Sozopol, Bulgaria.
42. January, 1999, Russian Academy of Science, Institute of Solid State Physics, “Lattice Distortion and Anisotropic Magnetoresistance in Colossal Magnetoresistive Manganite Thin Films”. (seminar)
43. April, 1999, Department of Physics, University of North Dakota, “Lattice effect in colossal magnetoresistance manganite thin films,” (colloquium).
44. April, 1999, Department of Physics, University of North Dakota, “Superconducting properties of ultrathin YBCO films and superlattices”, (condensed matter physics)
45. April, 1999, Department of Physics, University of Delaware, “Lattice effect in colossal magnetoresistance manganite thin films,” (colloquium).
46. May 1999, 2nd International NEW3SC Conference, “Lattice distortion and anomalous magnetoresistance in manganite thin films”, Las Vegas, NV.

47. September, 1999, Xerox seminar series, Materials Research Lab, Penn State University “Lattice Distortion and Anomalous Magnetoresistance effect in Manganite Thin Films”
48. September, 1999, University of Nice, France, “Lattice Distortion and Anomalous Magnetoresistance effect in Manganite Thin Films”
49. September 1999, NATO ARW SUPERMAT/SMAT, “Anomalous anisotropic magnetoresistance in strained ultrathin manganite films”, HYERES, France.
50. December, 1999, 1999 Fall MRS meeting, “Lattice distortion and anomalous magnetoresistance in ultrathin manganite films”. Boston, MA.
51. December, 1999, The 6th International Workshop on Oxide Electronics, College Park, MD “Strain induced large low-field magnetoresistance effect in ultrathin manganite films”
52. June 2000, Workshop on Induced Cooperative Phenomena (ICP), “Anomalous domain wall magnetoresistance in ultrathin magnites films near M-I transition boundary”, Berkeley CA.
53. July 2000, IBM T. J. Watson Research Center, “Spin-polarized transport and large low-field MR in ultrathin manganite films” (seminar)
54. Sept. 2000, Department of Physics, Penn State, “Anomalous spin-polarized transport in ultrathin manganite films” (colloquium)
55. Sept. 2000, University of Illinois at Urbana-Champaign, Anomalous spin-polarized transport in strained ultrathin manganite films” (Condensed Matter seminar)
56. Sept. 2000, Argonne National Lab, “Anomalous spin-polarized transport in strained ultrathin manganite films” (seminar)
57. Sept. 2000, Ohio State University, “Anomalous spin-polarized transport in strained ultrathin manganite films” (Condensed Matter seminar)
58. October, 2000, The 48th Midwest Solid State and Theory conference, “Spin polarized transport in ultrathin manganites films”, Grand Fork, ND.
59. Nov. 2002, Stanford University, “Anomalous magnetoresistance effect in strained ultrathin manganite films” (seminar)
60. April 2003, University of Virginia "Anomalous magnetoresistance effect in ultrathin manganite films" (condensed matter seminar)
61. Nov. 2003, Penn State University, "Two superconductors in one materials - a case of MgB₂" (colloquium)
62. June 2004, 6nd International NEW3SC Conference, Chong Qing, China. “Enhancement Of Upper Critical Field And Critical Current In Epitaxial MgB₂ Thin Films By C-doping”.
63. May 2004, Peking Univ., China, "Effects of two bands in MgB₂ epitaxial films" (seminar)

64. July 2004, Tsing Hua Univ. China, "Anomalous magnetoresistance effect in ultrathin manganite films" (seminar)
65. July 2004, Institute of Physics, Chinese Academy of Sciences, "Anomalous magnetoresistance effect in ultrathin manganite films" (seminar)
66. Dec. 2004, National High Magnetic Field Lab. Los Alamos, "Superconductivity and upper critical fields of C-doped MgB₂ thin films and coated fibers" (seminar)
67. March 22, 2005, APS March meeting satellite symposium on High Field Intermetallic Superconductors, Los Angeles, "Enhancement of Upper Critical Field and High Field J_c In C-Doped MgB₂ Films and Coated Fibers".
68. June, 2005, DARPA workshop on Multiferroics and Magneto-electric Heterostructures, Washington DC, "Magnetic Double Perovskite-Ferroelectric and Garnet-Ferroelectric Multilayers and Composite Systems"
69. August 2005, Center for Applied Superconductivity, University of Wisconsin Madison, "Upper critical fields and critical current density in C-doped MgB₂ thin films and coated fibers" (seminar)
70. July 6-8, 2005, Chinese Natural Science Foundation, "The effect of spin polarized current on the magnetic and magnetic resistance properties of colossal magnetoresistance manganite thin films and nanostructures", Cheng Du, China
71. Oct. 2005, MRSEC, Penn State, "Strained induced magnetoresistance effect in ultrathin manganite films and possible control of MR using electrical fields" (seminar)
72. April. 2006, University of Pennsylvania "Strained induced anomalous magnetoresistance effect in ultrathin manganite films and nanostructures", , (condensed matter seminar)
73. March 12, 2006, "Large anisotropic magnetoresistance in very clean epitaxial MgB₂", APS March meeting satellite symposium on Progress in MgB₂ and related materials.
74. April, 2006, SPIE Penn State Chapter, "Pulsed-laser deposition of multifunctional complex materials" (seminar)
75. June, 2006, The 6th OCPA conference "Anomalous magnetoresistance effect in strained manganite ultrathin films and nanostructures", Taipei, Taiwan.
76. July 4-6, 2006, Chinese Natural Science Foundation, Symposium on Young Investigator award, "The effect of spin polarized current on the magnetic and magnetic resistance of magnetic oxide thin films and nanostructures", Jilin, China.
77. Dec. 2006, Seagate, Pittsburgh, "Exploring multiferroic effect in double perovskites" (seminar).
78. March 2007, APS March meeting, "Large and anisotropic magnetoresistance in very clean MgB₂ films" Denver, CO, 2007. (scheduled).

