LIST OF PUBLICATIONS AND PRESENTATIONS OF CHEN Ang


27 articles in proceedings of conferences and workshops.

1 book chapter.

34 oral presentations in conferences (workshops) and seminars.

2004


5. CHEN Ang and ZHI Yu, Dielectric behavior of PbZr$_{0.52}$Ti$_{0.48}$O$_3$ thin films: intrinsic and extrinsic dielectric response, Applied Physics Letters, 85[17], 3821-23 (2004).


2003


14. ZHI Yu, CHEN Ang, E. Furman, and L. E. Cross, Dielectric relaxation and strain behavior of 95.5% Pb(Zn$_{0.3}$Nb$_{0.7}$)O$_3$ – 4.5% PbTiO$_3$ single crystals at cryogenic temperatures, Applied Physics Letters, 82[5], 790-792 (2003).


17. ZHI Yu and CHEN Ang, Crystalline structure and dielectric properties of (Sr$_{1.5}$Bi)$_2$TiO$_4$ ceramics, Journal of Materials Science, 38 [1], 113-118 (2003).


24. ZHI Yu and **CHEN Ang**, Maxwell – Wagner polarization in Ceramic Composites BaTiO$_3$ – \((Ni_{0.2}Zn_{0.2})Fe_{3/4}O_4\) *Journal of Applied Physics, 91*[2], 794-797 (2002).


26. ZHI Yu, **CHEN Ang**, Ruyan Guo, and A.S. Bhalla, Dielectric properties and high tunability of Ba(Ti$_{0.7}$Zr$_{0.3}$)O$_3$ ceramics under dc bias, *Applied Physics Letters, 81*[7], 1285-87 (2002).


28. ZHI Yu, **CHEN Ang**, Ruyan Guo, and A.S. Bhalla, Ferroelectric-relaxor behavior of Ba(Ti$_{0.7}$Zr$_{0.3}$)O$_3$, *Journal of Applied Physics, 92*[5], 2655-57 (2002).


**2001**


1999


1997


69. Bao Yahua, **CHEN Ang**, and ZHI Yu, Piezoelectric properties of Pb(Li$_{1/4}$Nb$_{1/4}$)$_{0.66}$(Mg$_{1/3}$Nb$_{2/3}$)$_{0.34}$Zr$_{0.88}$Ti$_{0.12}$O$_{3}$ ceramics and its application for transformer, *Journal of Zhejiang University, 31*[2], 269-276 (1997). (in Chinese)


1996


76. J. L. Baptista, **CHEN Ang**, ZHI Yu, V. M. Ferreira, P. M. Vilarinho, and Jing Zhi, New dielectric compounds in the BaO-rich corner of BaO-Re$_2$O$_5$-TiO$_2$ ternary system (Re=Nd, Sm, Y, La, and Pr), *Electroceramic V*, Book 2, pp5-8, 1996. (*The proceedings of The European Fifth International Conferences on Electroceramics and applications, September 2 – 4, 1996, Aveiro, Portugal.)


82. Jing Zhi, CHEN Ang, ZHI Yu, Ya-hua Bao, Jia-ping Han, P. M. Vilarinho and J. L. Baptista, Effect of lead doping on the microstructure and dielectric properties of YBa$_3$Ti$_2$O$_{8.5}$ ceramics, *Electroceramic V*, Book 2, pp29-32, 1996. (Ibid)

83. Bao Yahua, CHEN Ang, ZHI Yu, Ya-hua Bao, and Jiaping Han, Piezoelectric ceramics of Pb(Li$_{1/4}$Nb$_{3/4}$)$_{0.06}$(Mg$_{1/3}$Nb$_{2/3}$)$_{0.06}$(Zr$_{0.88}$Ti$_{0.12}$)O$_3$ system for transformer use, *Electroceramic V*, Book 2, pp237-241, 1996. (Ibid)


1995


88. Ferreira, CHEN Ang, ZHI Yu, Han Jiaping, and P. M. Vilarinho, Study of (Ni$_{0.3}$Zn$_{0.7}$)Fe$_2$O$_4$–BaTiO$_3$ ceramic composites, in *Proceedings of Materials'95*, 17 September, 1995, Aveiro, Portugal.

1994


1993


1992


104. CHEN Ang, and ZHI Yu, Superconductivity of YBaCuO Ceramics with Additive SnO$_2$, 1st International Conference on Advanced Materials and Processing, pp404-405, 1992, Hangzhou, P.R. China.


Before 1992


108. CHEN Ang, and ZHI Yu, Substitution induced metal-insulator and structural transition in YBa$_2$(Cu$_{1-x}$M$_x$)$_3$O$_y$ ceramics (M=Trivalent Cation), Chinese Physics Letter, 8[10], (supplement), 132-134(1991).


Book Chapter:


Oral Presentations in Conferences (Workshops) and seminars:
2. “Dielectric/Ferroelectric/Piezoelectric Materials, Physics and Applications”, June 30, 2004, Fu Dan University, Shanghai, China
3. “Ferroelectric properties of SrTiO$_3$-based solid solutions”, July 1, 2004, Shanghai Institute of Ceramics, Shanghai, China
4. “Ferroelectric polymers”, July 5, 2004, Nangjing University, Nangjing, China
5. “Quantum paraelectric SrTiO$_3$”, July 7, 2004, Nangjing University, Nangjing, China
7. “Dielectric behavior of electroactive fluorinate-based polymers”, Annual APS March Meeting 2004 March 22-26, Montreal, Canada
10. “Electrostrictive properties of P(VDF-TrFE) polymers at cryogenic temperatures”, Annual APS March Meeting 2003, March 3-7, Austin, TX
14. “Strain behavior of Ba(Ti,Ce)O$_3$ ceramics”, the 35th The International Center of Actuators and Transducers (ICAT) Smart Actuator Symposium, April 18-19, 2002 State College
15. “Effect of dc field on permittivity of PbZr$_{0.52}$Ti$_{0.48}$O$_3$ thin films at cryogenic temperatures”, 2001 U.S. Navy Workshop on Acoustic Transducer Materials and Devices, May 14-16, Baltimore (Invited)
25. “New dielectric compounds in the BaO-rich corner of BaO-Re₂O₃-TiO₂ ternary system (Re=Nd, Sm, Y, La, and Pr),” *The European Fifth International Conferences on Electroceramics and applications*, September 2-4, 1996, Aveiro, Portugal.


30. “Substitution induced metal-insulator and structural transition in YBa₂(1-x)MₓCu₃O₇ ceramics (M=Trivalent Cations)”, *The Young Scholar Conference on High-Tc Superconductors*, October 9-12, 1990, Beijing, China.


33. Invited Speaker, “Dielectric and ferroelectric behavior of doped quantum paraelectric SrTiO₂”, *September 25, 1997, University of Augsburg, Germany*

34. Invited Speaker, “Dielectric and conducting behavior in oxides”, *December 1, 1993, University of Aveiro, Portugal.*