

## CURRICULUM VITAE

Name: Baojin Chu

Title: Professor

Affiliation: Department of Mater. Sci. & Eng., University of Science and Technology of China

Address: No. 96 Jinzhai Road, Hefei, Anhui Province, China

TEL : +86-551-63607397

E-mail : chubj@ustc.edu.cn

### **PROFESSIONAL EMPLOYMENT:**

Professor, University of Science and Technology of China, 08/2012-

Research Scientist, South Dakota School of Mines and Technology, 11/2010-07/2012

Postdoctoral Scholar, Materials Research Institute, Pennsylvania State University, 04/2008-10/2011

Visiting Research Fellow, Department of Ceramics and Building Materials, Korea Institute of Ceramic Engineering and Technology, 09/2002-07/2003

Assistant Research Scientist, Shanghai Institute of Ceramics, Chinese Academy of Sciences, 07/2000-07/2002

### **EDUCATION**

Ph.D. in Materials Science and Engineering, Pennsylvania State University, University Park, PA, USA, May 2008

M.E. in Materials Sciences and Engineering, Shanghai Institute of Ceramics, Chinese Academy of Sciences, Shanghai, China, July 2000

B.E. in Ceramic Engineering, Shandong Institute of Light Industry, Jinan, China, July 1997

### **RESEARCH INTEREST**

Ferroelectric ceramic and polymer materials; the applications of ferroelectric materials in energy storage, solid state cooling, energy harvesting; flexoelectricity in ferroelectric materials.

### **SELECTED PUBLICATIONS** (from ~100 publications)

1. Xiaotong Zhang, Qi Pan, Dongxia Tian, Wanfeng Zhou, Pan Chen, Haifeng Zhang, Baojin Chu, "Large Flexoelectriclike Response from the Spontaneously Polarized Surfaces in Ferroelectric Ceramics", Phys. Rev. Lett., 121, 057602 (2018).

2. Wanfeng Zhou, Pan Chen, Qi Pan, Xiaotong Zhang, Baojin Chu, "Lead-Free Metamaterials with Enormous Apparent Piezoelectric Response", Adv. Mater., 27, 6349-6355 (2015).

3. Baojin Chu, Wenyi Zhu, Nan Li, and L. Eric Cross, "Flexure mode flexoelectric piezoelectric composite", J. Appl. Phys., 106, 104109 (2009).

4. Baojin Chu, Xin Zhou, Kailiang Ren, Bret Neese, Minren Lin, Qing Wang, Francois Bauer, and Q. M. Zhang, "A dielectric polymer with high electric energy density and fast discharge speed", Science, 313, 334-336 (2006).

5. Baojin Chu, Daren Chen, Guorong Li, and Qingrui Yin, "Electrical properties of  $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3\text{-BaTiO}_3$  ceramics", J. Eur. Ceram. Soc., 22, 2115-2121 (2002)