

Curriculum Vitae

Name: jian-Bo Zhang

Sex: Male; **Date of Birth:** October 22, 1985

Department of Physics

South China University of Technology

381 Wushan Road, Tianhe

Guangzhou 510006

China

Mobile phone: +86-15918641029

E-mail Address: 326zjb@gmail.com



Education background:

September 2008 - now, *Ph. D candidate for Condensed Matter Physics, South China University of technology, China*

September 2004 - July 2008, *B. S. in Physics, Shanxi Datong University, China*

Skills:

Research skills:

- *High pressure DAC preparation technique*
- *High-pressure electric transport measurements*
- *High-pressure Raman measurements and data analysis*
- *High-pressure XRD measurements and data analysis*

English skill:

- *Could speak and write English*
- *Could read and write professional English journal articles*
- *Have already passed China's College Level English Test*

Computer skill:

- *Master word, excel, PowerPoint, PS and Origin well.*
- *Could assembly and maintain computers*

Research Area:

Copper oxide superconductors focusing on the pressure driven evolution of a superconductor from its insulating region to superconducting region.

Research papers:

1. **Jian-Bo Zhang**, Zhen-Xing Qin, Ling-Yun Tang, Zhong-Quan Mao, Ivan Troyan, Mikhail Erements, Jing Liu, Zhi-Jun Xu, Gen-Da Gu, and Xiao-Jia Chen, *Uncovering the insulating state of an underdoped cuprate superconductor after doubling superconducting transition temperature*, *Preparation for Nature* (2012) .
2. Zhong-Quan Mao, **Jian-Bo Zhang**, Ling-Yun Tang, Jing Liu, Fang Zhou, Zhong-Xian Zhao, and Xiao-Jia Chen, *Pressure-driven superconductor-insulator transition in an underdoped cuprate superconductor*, *Preparation for Phys. Rev. Lett.* (2012) .
3. Feng-Jiang Jia, **Jian-Bo Zhang**, Zhen-Xing Qin, Lin-Jun Li, Zhu-An Xu, and Xiao-Jia Chen, *Pressure effect on the electron-doped iron-based superconductor $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$* , *Preparation for Phys. Rev. B* (2012).
4. Zhen-Xing Qin, **Jian-Bo Zhang**, Ivan Troyan, Taras Palasyuk, Mikhail Erements, and Xiao-Jia Chen. *High-pressure study of tetramethylsilane by Raman spectroscopy*. *J. Chem. Phys.* **136**, 024503 (2012).