



物理系概况

师资队伍

科学研究

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## 黄胜利

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### 个人信息

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### 研究领域

1. 低维功能纳米材料的制备、表征、改性及分析;
2. 过渡金属氧化物的物理性质研究。

### 个人简历

1998/09~2002/07 福建师范大学物理系 学士

2002/09~2007/07 中国科学技术大学物理系 博士

2007/07~2008/07 新加坡南洋理工大学数理科学部 博士后

2008/10~2011/07 厦门大学物理与机电工程学院 助理教授

2011/08~至今 厦门大学物理与机电工程学院 副教授

### 在研基金

主持项目:

1. “硅基纳米线宏观阵列复合结构的可控制备及应用研究”，2011-07至2013-06，国家重点实验室（浙江大学）开放课题基金；
2. “高能聚焦电子束辐照诱导低维纳米材料结构不稳定性及纳米加工技术研究”，2010-09至2013-08，教育部留学回国人员科研启动基金。

### 发表文章

2008/10-present (as an associate professor in XMU)

1. S. L. Huang, Y. Wu, X. F. Zhu, L. X. Li, Z. G. Wang, L. Z. Wang, G. Q. Lu  
VLS growth of SiO<sub>x</sub> nanowires with a stepwise non uniformity in diameter.  
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2. S. L. Huang\*, L. Q. Kong, C. J. Zhang, Y. Wu, and X. F. Zhu  
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4. X. F. Zhu, L. X. Li, S. L. Huang, Z. G. Wang, G. Q. Lu, C. H. Cun, and L. Z. Wang  
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5. L. Q. Kong, C. J. Zhang, S. L. Huang\*, X. F. Zhu  
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6. Y. Wu, S. L. Huang, X. F. Zhu, L. X. Li, Z. G. Wang, L. Z. Wang  
Direct Experimental Evidence for Detailed Growth of SiO<sub>x</sub> Nanowire During CVD (In Chinese)  
Chinese Science Bulletin, 2009, 54 (19): 2988-2992.

### Patents

1. X. F. Zhu, J. B. Su, L. X. Li, Y. Wu, S. L. Huang, G. X. Lu, and L. Z. Wang  
A jointing method of Amorphous SiO<sub>x</sub> Nanowires. (Authorized)  
Chinese invention patent, 08/06/2011, NO. CN200910112085.1.
2. X. F. Zhu, Y. Wu, J. B. Su, L. X. Li, S. L. Huang, G. X. Lu, and L. Z. Wang  
An Engineering Method of Amorphous SiO<sub>x</sub> Nanowires via Focused Electron Beam Irradiation. (Authorized)  
Chinese invention patent, 22/06/2011, NO. CN200910112083.2.

### 科研团队

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### 常用链接

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机电工程系

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3. X. F. Zhu, J. B. Su, Y. Wu, L. X. Li, S. L. Huang, G. X. Lu, and L. Z. Wang  
A Modification Engineering Method of Amorphous SiO<sub>x</sub> Nanowires. (In publication)  
Chinese invention patent, 02/12/2009, NO. CN101591004A.

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2007/07-2008/07 (as a research fellow in NTU)

1. S. L. Huang, L. X. Guan, J. B. Yi, B. C. Zhao, Y. Wu, J. Ding, and L. Wang  
Magnetic and Electric Transport Properties of Nd<sub>0.75</sub>Sr<sub>1.25</sub>Co<sub>1-x</sub>Mn<sub>x</sub>O<sub>4</sub>  
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2. S. L. Huang, Z. C. Fan, J. B. Yi, B. C. Zhao, Y. Wu, K. Q. Ruan, M. Li, J. Ding, and L. Wang.  
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Journal of Physics: Condensed Matter, 2008, 20 (39): 395213-1-9.
3. S. L. Huang, K. Q. Ruan, Z. M. Lv, H. Y. Wu, C. H. Lin, L. Z. Cao.  
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4. M. Li, S. L. Huang, Z. M. Lv, J. L. Zhang, H. Y. Wu, X. M. Wang, Z. Q. Pang, K. Q. Ruan  
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6. H. W. Ho, B. C. Zhao, B. Xia, S. L. Huang, Y. Wu, J. G. Tao, A. C. H. Huan and L. Wang  
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7. K. Q. Ruan, Z. M. Lv, H. Y. Wu, S. L. Huang, M. Li, Z. Q. Pang, Q. Y. Wang, Y. Feng, G. Yan  
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2002/09-2007/07 (as a PHD student in USTC)

1. S. L. Huang, K. Q. Ruan, Z. Q. Pang, Z. M. Lv, H. Y. Wu, Z. C. Shen, L. Z. Cao and X. G. Li.  
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Solid State Communications, 2007, 141: 150-155.
2. S. L. Huang, K. Q. Ruan, X. L. Jiao, H. Y. Wu, Z. M. Lv, Z. Q. Pang, J. Liu, H. S. Yang, W. B. Wu, L. Z. Cao, X. G. Li.  
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Physics Letters A, 2007, 363: 473-476.
3. S. L. Huang, K. Q. Ruan, Z. M. Lv, L. H. Zhuang, P. Wei, H. Y. Wu, M. Li, J. L. Zhang, Y. S. Chai, H. S. Yang, L. Z. Cao, and X. G. Li.  
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5. S. L. Huang, K. Q. Ruan, Y. Tang, L. Z. Cao, X. G. Li.  
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7. S. L. Huang, K. Q. Ruan, Z. M. Lv, P. Wei, L. Z. Cao, Y. P. Sun.  
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9. H. Y. Wu, K. Q. Ruan, J. Yin, S. L. Huang, Z. M. Lv, M. Li, and L. Z. Cao.  
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11. J. J. Ding, K. Q. Wang, C. F. Zhu, Z. M. Lv, S. L. Huang, L. Z. Cao, K. Q. Ruan  
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Chinese Journal of Low Temperature Physics, 2007, 29 (2): 158-162.
12. Z. M. Lv, K. Q. Ruan, S. L. Huang, H. Y. Wu, L. Z. Cao, X. G. Li.  
Electrical transport and magnetic properties of the Ruddlesden-Popper phases Sr<sub>3</sub>Fe<sub>2-x</sub>Ru<sub>x</sub>O<sub>7</sub> (0 ≤ x ≤ 1.4).  
Solid State Communications, 2006, 140: 340-344.
13. K. Q. Ruan, Y. Yu, S. L. Huang, H. L. Li, S. Qian, L. Z. Cao.  
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Proceedings of ICEC 2005, 20: 545-548).
14. Y. Yu, K. Q. Ruan, S. L. Huang, S. Qian, Y. S. Chai, H. S. Yang, L. Z. Cao.