

清华大学物理系

TSINGHUA UNIVERSITY
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研究员清华大学物理系
纳米中心楼215室
北京 100084电话：010-62796011
传真：010-62781604chliu@mail.tsinghua.edu

个人简历

学习经历：

1988年	清华大学材料科学学士学位
1992年	清华大学物理硕士学位
1995年	清华大学材料物理博士学位

工作经历：

1988-1990	北京仪器厂	助理工
1995-1997	清华大学物理系	讲师
1997-2006	清华大学物理系	副教授
2006-今	清华大学物理系	研究员
2007-今	清华大学物理系	博士生导师

短期访问：

2000.8-2001.7	Research Associate	美国
2002.2-2003.2	研究员 (Research Fellow)	香港

教学

在清华大学教授过的主要课程:
大学本科 “固体物理实验”
大学本科 “普通物理实验”

奖励、荣誉和字不兼职

离子束辅助沉积类金刚石等硬质膜研究 国家教委科技进步 (甲类) 二等奖, 人)。

主要论著

以第一作者或通讯作者发表SCI论文70多篇,这些论文被SCI论文他引3000多篇

近期代表性论文 (* 通讯作者)

1. Yanli Yin, Changhong Liu* and Shoushan Fan, A New Type of Second Excellent Performances, Nano Energy (Feb. 3, 2015) 12, 486-493
2. Shaohui Jiang, Changhong Liu*, and Shoushan Fan, Efficient natural properties of carbon nanotube sheets and their roles on the thermal dissipation & Interfaces, 6, 3075-3080 (2014).
3. Guang Zhang, Changhong Liu* and Shoushan Fan, Directly measuring one-dimensional highly aligned carbon nanotubes. Scientific Reports 3, 2541 (2013)
4. Guang Zhang, Changhong Liu* and Shoushan Fan, The temperature boundary resistances between multiwall carbon nanotubes and some typical materials. Nano 6 (4) (March 5 2012), pp 3057–3062.
5. Ling Zhang, Guang Zhang, Changhong Liu* and Shoushan Fan, High Performance Bucky Papers with Superior Transport and Mechanical Properties, Nano Letters 10 (10) 4848-4852.
6. Luzhuo Chen, Changhong Liu*, Ke Liu, Chuizhou Meng, Chunhua Hu, Ji Fan, High-Performance, Low-Voltage, and Easy-Operable Bending Actuators Based on Carbon Nanotube/Polymer Composites, ACS Nano 5(3) (Mar, 2011) 1588-1593.
7. Chuizhou Meng, Changhong Liu,* Luzhuo Chen, Chunhua Hu, and Shoushan Fan, Flexible and All-Solid-State Paperlike Polymer Supercapacitors, Nano Letters 10 (10) 4848-4852.
8. Chunhua Hu, Changhong Liu*, Luzhuo Chen, Chuizhou Meng and Shoushan Fan, A Flexible and High-Power Source Based on Single-Walled Carbon Nanotube Networks, Nano Letters 10 (10) 4701-4706.
9. Chuizhou Meng, Changhong Liu,* and Shoushan Fan, A Promising Thermoelectric Properties Using Carbon Nanotube Networks, Advanced Materials 21 (5) 535-539.
10. Qingwei Li, Changhong Liu* and Shoushan Fan, Thermal Boundary Resistances of Carbon Nanotubes in Contact with Metals and Polymers, Nano Letters 9 (11) (October 2009) 4000-4004.
11. Hua Huang, Changhong Liu*, Y. Wu, and S.S.Fan (2005): Aligned carbon nanotubes for thermal management, Adv. Mater. 17,1652-1656.
12. Changhong Liu, Juan Antonio Zapata, Chun Sing Lee, Shoushan Fan, Y. Tong Lee (2003): High-density, Ordered Ultraviolet Light-Emitting ZnO Nanowires, Nano Letters 3 (10) 838-841.

相关报道:

- [1] Philip Ball, Nanotube forests take off the heat (2005) , <http://www.nature.com/materials/nanozone/news/050728/portal/m050728-2>.
- [2] James Tyrrell, Physicists roll out nanotube paper (2008) , <http://physicsworld.com/cws/article/news/33187>.
- [3] Tim Reid , Nanotubes: Amazing actuators (2008) , <http://www.nature.com/nchina/2008/080813/full/nchina.2008.187.html>
- [4] Michael Berger, Novel buckypaper device converts light into electricity (2008) <http://www.nanowerk.com/spotlight/spotid=17392.php>
- [5] Lisa Zyga, Paper-thin supercapacitor has higher capacitance than other supercapacitors (2010), <http://www.physorg.com/news204265367.html>
- [6] Stephen Davey, Electroactive materials: Polymer pincers, NPG Asia Mater. doi:10.1038/asiamat.2011.86, Published online 06 June 2011

