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### 主要研究方向

功能光电纳米材料与纳米器件具体包括石墨烯，碳纳米管等纳米材料的制备、纳米器件，纳米传感器等方面的研究。

### 社会兼职

英国碳研究组织（Carbon Group）会员

中国微米纳米技术学会会员

### 主要学术成果

1. Hu PA, Zhang J, Li L, et al., Carbon Nanostructure-Based Field-Effect Transistors for Label-Free Chemical/Biological Sensors, *Sensor* 2010, **10** 5133-5159
2. Hu PA, Li K, Chen WL, et al. Fabrication of an organic field effect transistor using nano imprinting of Ag inks and semiconducting polymers, *JOURNAL OF MICROMECHANICS AND MICROENGINEERING*, 2010, 7 (20), **070532**
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12. Fu L, Liu ZM, Liu YQ, et al. Ga<sub>2</sub>O<sub>3</sub> nanoribbons-Eu<sub>2</sub>O<sub>3</sub> multisheaths heterostructure and energy transfer, *J. Phys. Chem. B*, 2004, 108, 13074. 引用 35
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14. Fu L, Liu ZM, Liu YQ, et al., Beaded cobalt oxide nanoparticles along carbon nanotubes: Towards more highly integrated electronic devices, *Advanced Materials*, 2005, 17, 217 引用 58
15. Wang XB, Liu ZM, Hu PA, et al, Nanofluids in carbon nanotubes using supercritical CO<sub>2</sub>: a first step towards a nanochemical reaction, 2005, 80. 35-38 引用 8
16. PingAn Hu, Yunqi Liu, Lei Fu, Lingchao Cao, Daoben Zhu., "Self-Assembled Growth of ZnS Nanobelt Networks", *J. Phys. Chem. B* 2004, **108**, 936. 引用 48
17. PingAn Hu, Yunqi Liu, Xianbao Wang, Lei Fu, Daoben Zhu, "Tower-like structure of ZnO nanocolumns", *Chem. Commun.*, 2003, (11), 1304-1305. 引用 37
18. PingAn Hu, Xiaobao Wang, Yunqi Liu, Biao. Wang, Daoben. Zhu, "Synthesis of single-walled carbon nanotubes using MgO as a catalyst", *Synth. Met.*, 2003, 135-136.
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