

- Proficient in the operation of SEM, AFM, Surface Profilometer, Micromanipulator
- Skill in ANSYS, MEMS PRO, CONVENTOR WARE

SELECTED PUBLICATIONS (7/20) :

- **Jianhua Tong**, Yu Sun. "Towards Carbon Nanotube-based AFM Cantilevers", IEEE Transaction on Nanotechnology, Vol. 6, pp. 519-523, 2007.
- Xinyu Liu, **Jianhua Tong**, and Yu Sun. "Millimeter-Sized Nanomanipulator with Sub-Nanometer Positioning Resolution and Large Force Output", Smart Materials and Structures, Vol. 16, pp. 1742-1750, 2007.
- **Jianhua Tong**, Mark Priebe, Yu Sun. "Carbon Nanotube-based Strain Sensing Cantilevers", The 20th IEEE International Conference on Micro Electro Mechanical Systems(**MEMS2007**), Kobe, Japan, pp. 843-846, Jan. 21-25, 2007.
- Christopher Moraes, **Jianhua Tong**, Xinyu Liu, Craig A. Simmons, and Yu Sun. Parallel Micropipette Aspirator Arrays for High-Throughput Mechanical Characterization of Biological Cells. Submitted to the 11th International Conference on Miniaturized Systems for Chemistry and Life Sciences(**uTAS 2007**), Paris, France, pp.751-753, Oct.7-11, 2007.
- **Jianhua Tong**, Mengwei Liu, Yan Cui, Jing Wang, Tianhong Cui, and Liding Wang, "Design and Fabrication of Si-based PZT Film Microforce Sensor Chip" Piezoelectrics and Acousto-optics, vol.28, no. 3, pp: 335-340, 2007.
- **Jianhua Tong**, Mengwei Liu, Jing Wang, Tianhong Cui, and Liding Wang, "Fabrication and Characterization of Si-based PZT Cantilever Micro-force Sensor", The 3rd International Symposium on Instrumentation Science and Technology, Vol. 3, Xi'an, China, July, pp. 271-276 , 2004.
- **J.H. Tong**, T.H. Cui, P.G. Shao, and L.D. Wang, "Piezoelectric Micromotor Based on the Structure of Serial Bending Arms", IEEE Transactions on Ultrasonics, Ferroelectrics and Frequency Control, Vol. 50 Issue 9, September, pp. 1100-1104, 2003.

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Available upon request