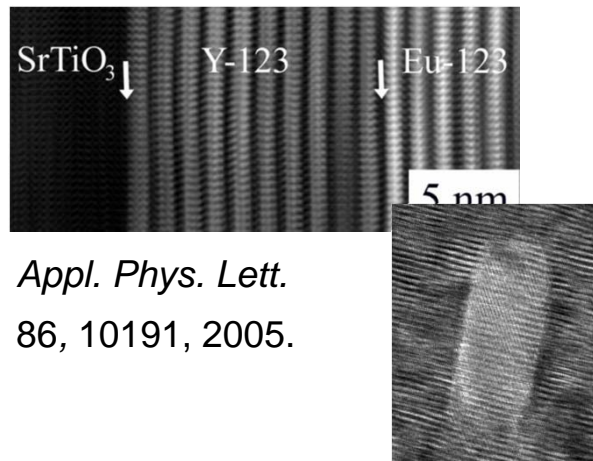




# Nanostructured Ceramic Thin Films

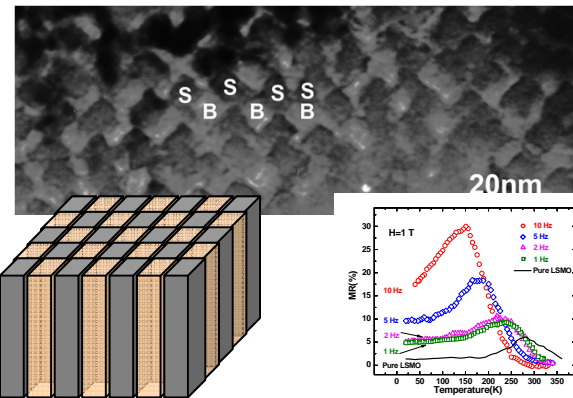
Haiyan Wang (Texas A&M University), DMR-Award # 1007969

Materials World Network: Novel Interface and Strain Control in Epitaxial Nanocomposite Films

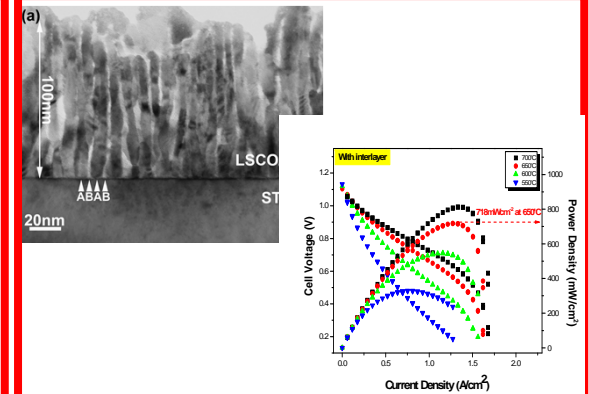


*Appl. Phys. Lett.*  
86, 10191, 2005.

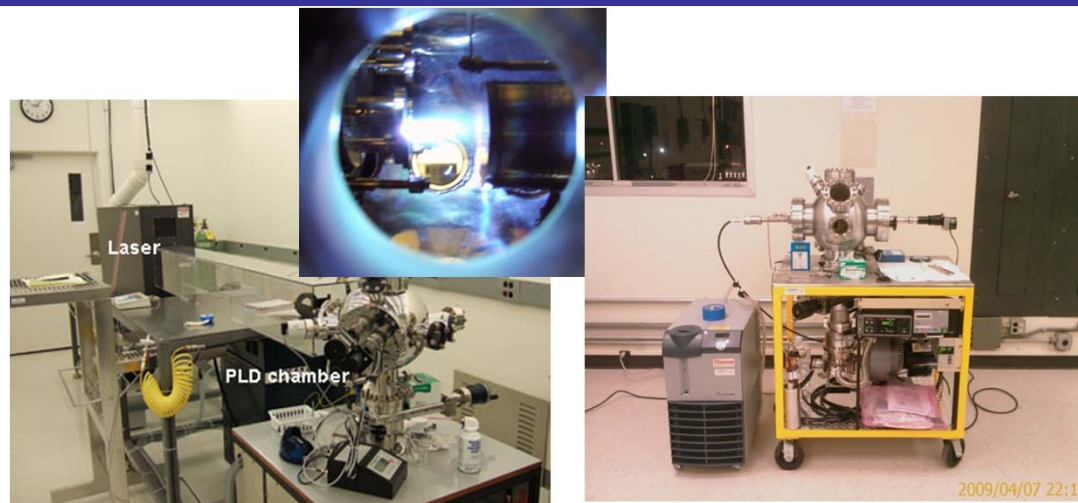
**Nanostructured superconductors**



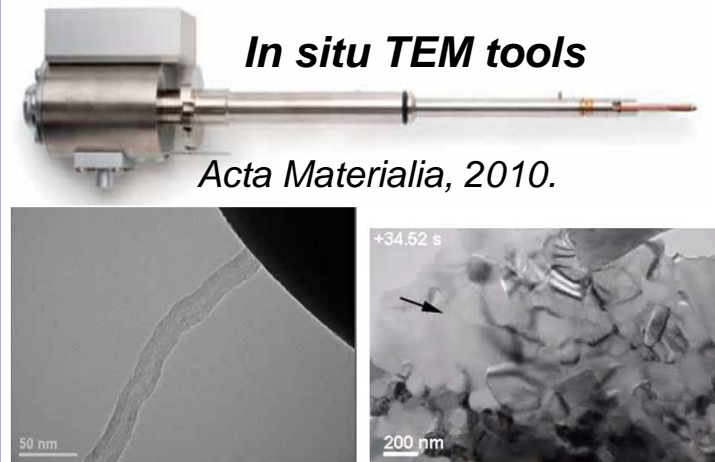
*Nature Materials*, 7, 314-320, 2008.  
**Vertical Aligned Nanocomposite  
Multifunctional nanocomposites**



*Advanced Functional Materials*,  
19, 1, 2009.  
**Thin Film Solid oxide fuel cells**



**Processing (PLD, sputtering and solution process)**



**In situ TEM tools**

*Acta Materialia*, 2010.

**Nanostructured characterizations**