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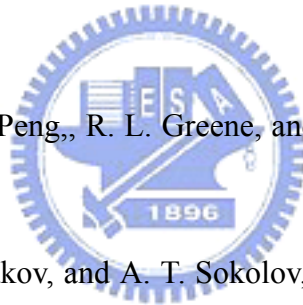
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## Publication List:

1. **L. S. Lai**, H. K. Zeng, J. Y. Juang, K. H. Wu, T. M. Uen, and Y. S. Gou, “Physical properties of  $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$  thin films using microstrip ring resonators technique”, *Physica C* **443**, 9 (2006).
2. **L. S. Lai**, J. Y. Juang, K. H. Wu, T. M. Uen, and Y. S. Gou, “Temperature dependence of superfluid density in  $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$  and  $\text{Y}_{0.7}\text{Ca}_{0.3}\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$  thin films: A doping dependence study of the linear slope”, *Physica C* **432**, 99 (2005).
3. **L. S. Lai**, J. Y. Juang, K. H. Wu, T. M. Uen, J. Y. Lin, and Y. S. Gou, “Microwave properties of a  $\text{Y}_{0.7}\text{Ca}_{0.3}\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$  microstrip ring resonator with various hole concentrations”, *Physica C* **415**, 133 (2004).
4. **L. S. Lai**, J. Y. Juang, K. H. Wu, T. M. Uen, and Y. S. Gou, “Studies of superconducting energy gap determined by Ferrell-Glover-Tinkham sum rule in  $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$  and  $\text{Y}_{0.7}\text{Ca}_{0.3}\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$  thin films”, in preparation.

5. **L. S. Lai**, J. Y. Juang, K. H. Wu, T. M. Uen, and Y. S. Gou, “Effect of stochastic macroscopic quantum tunneling on microwave conductivity in high- $T_c$  YBCO superconducting ring resonators”, in preparation.

● Conference Papers

1. **L. S. Lai** *et al.*, “Quasiparticle properties at microwave frequencies in the underdoped  $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$  thin films”, American Physical Society (APS) March Meeting 2004 in Canada, March 22-26, 2004.
2. **L. S. Lai**, J. Y. Juang, K. H. Wu, T. M. Uen, J. Y. Lin, and Y. S. Gou, “Determination of the doping dependence of the penetration depth using  $\text{Y}_{0.7}\text{Ca}_{0.3}\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$  microstrip ring resonators”, 2004 Taiwan International Conference on Superconductivity and the 7th Workshop on Low Temperature Physics, July 5-9, 2004.

