Refereed Publications for ISEM 2007

Book Chapter and Invited Review Article

1. Li S., and Dou S.X., "Intrinsic behaviour and properties of nanocrystalline MgB_2", in *Studies of high temperature superconductors*, Golden Jubilee **(50),** 145-167 edited by A Narlikar, Nova Science Publishers, Lnc (NY), (2007) ISBN 1-59454-960-5.

2. Yeoh W. K., Horvat J., Kim J. H., and Dou S. X., "Improvement of vortex pinning in MgB_2 by doping", In Levan V. Basbanes (Ed), *Advanced Materials: Research Trends* by Nova Science Publishers, Inc. (NY), (2007), ISBN 978-1-60021-584-1.

3. Yeoh W. K. and Dou S. X., "Enhancement of H_{c2} and J_c by carbon-based chemical doping", *Superconductivity in MgB_2: Physics and Applications*, *Physica C*, 456, 170-179, (2007).

Referred Journal Article

4. Alvarez G. A., Wang X. L., Dou S. X., and Wu M., "Single electron effects and Bloch oscillations in high-T_c superconductive tunnelling junctions", *Journal of Applied Physics*, 101, 09G114, (2007).

5. Alvarez, G. A., Wang X. L., Peleckis G., Shi D. Q., and Dou S. X., "Transport properties of HTS/CMR/HTS multilayers for spin injector devices", *Physica C*, 460, 438-439, (2007).

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7. Babic E., Kusevic I., Husnjak O., Soltanian S., Wang X. L., and Dou S. X., "Flux pinning in nanoparticle doped MgB_2/Cu tapes", *Physica C*, 460, 589-590, (2007) .

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$Bi_{3.25}Sm_{0.75}V_{0.02}Ti_{2.98}O_{12}$ thin film at elevated temperature", *Applied Physics Letters*, 90 **(22)**, 222902, (2007).

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