

List of Publications arising from the thesis

Journal

1. “Magnetic irreversibility and pinning force density in the Ti-V alloys”, Md. Matin, L. S. Sharath Chandra, M. K. Chattopadhyay, R. K. Meena, Rakesh Kaul, M. N. Singh, A. K. Sinha, and S. B. Roy, *J. Appl. Phys.*, **2013**, 113, 163903-163913.
2. “High field paramagnetic effect in the superconducting state of $\text{Ti}_{0.8}\text{V}_{0.2}$ alloy”, Md. Matin, L. S. Sharath Chandra, M. K. Chattopadhyay, M. N. Singh, A. K. Sinha, and S. B. Roy, *Supercond. Sci. Technol.*, **2013**, *26*, 115005-115011.
3. “Spin-fluctuations in $\text{Ti}_{0.6}\text{V}_{0.4}$ alloy and its influence on the superconductivity”, Md. Matin, L. S. Sharath Chandra, Radhakishan Meena, M. K. Chattopadhyay, A. K. Sinha, M. N. Singh, and S. B. Roy, *Physica B*, **2014**, *436*, 20-25.
4. “The influence of electron-phonon coupling and spin fluctuations on the superconductivity of the Ti-V alloys”, Md. Matin, L. S. Sharath Chandra, S. K. Pandey, M. K. Chattopadhyay, and S. B. Roy, *Eur. Phys. J. B*, **2014**, *87*, 131-140.
5. “Critical current and flux pinning properties of the superconducting TiV alloys”, Md. Matin, L. S. Sharath Chandra, M. K. Chattopadhyay, R. K. Meena, Rakesh Kaul, M. N. Singh, A. K. Sinha, and S. B. Roy, *Physica C*, **2015**, 512, 32-41.

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