

WS2 nanotubes: synthesis, characterization and applications

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The synthesis of macroscopic amounts of WS₂ nanotubes using a fluidized bed reactor (R. Rosentsveig, A. Margolin, R. Popovitz-Biro) has been reported recently. The properties of these nanotubes will be discussed. The WS₂ nanotubes are being used to fabricate tips for scanning probe microscopy (I. Ashiri) and for the fabrication of nanotransistors (A. Johansson and D. Shahar). Details of these two efforts will be presented.