Preparation of MnSe2 Submicron Rod via a Thermal Decomposition Method

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Transition metal chalcogenides have interesting physical properties including electrical, optical, transport, and magnetic properties. MnSe2 submicron rod is synthesized via a thermal decomposition method using manganese oleate and Se powder as precursors. The octahedron MnSe2 crystal can be obtained by using reaction temperature at 280 °C for 1 h. Then the fuse octahedron MnSe2 to make submicron rod by adjusting concentration of Se. This is ascribed to the hindrance of the oriented attachment.

References: