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Characterization of Ag doped WO3 synthesized by electrospinning

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SEM technique was assisted to selected the best condition of 5 wt% Ag doped WO3 nanofiber which synthesized by electrospinning method and calcined at 550 ⁄C for 2 hours then were investigated the characteristic via X-ray diffraction, Raman spectroscopy, photoluminescence, UV-visible, FTIR and TEM technique. The results show that is product of orthorhombic Ag-WO3 nanofiber with 60 nm diameter and 2.53 eV photon energy gap semiconductor.

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