

Supporting information

Adsorption of radioactive iodine on surfactant-modified sodium niobate

Wanjuan Mu, Qianhong Yu, Xingliang Li, Hongyuan Wei, Yuan Jian*

*Institute of Nuclear Physics and Chemistry, China Academy of Engineering Physics,
64# Mianshan Road, Mianyang, 621900, Sichuan Province, P. R. China*

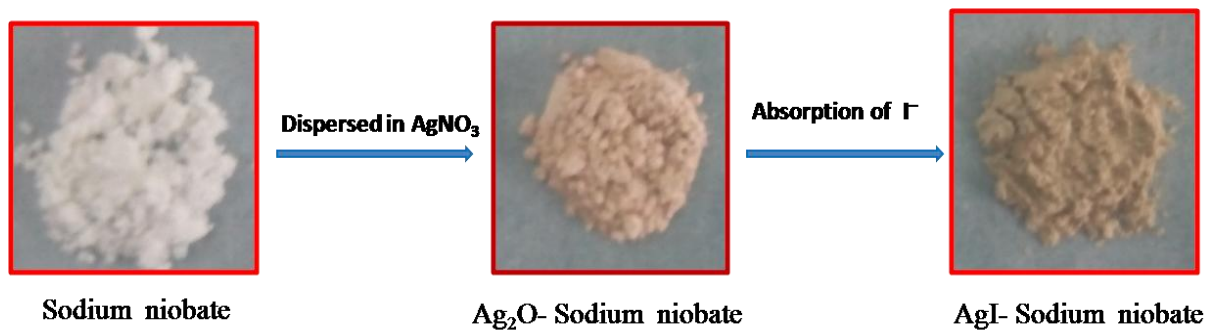


Fig.1 The photos of the sodium niobate nanofibers (before and after deposition of Ag₂O nanocrystals and subsequent adsorption of I⁻ anions)

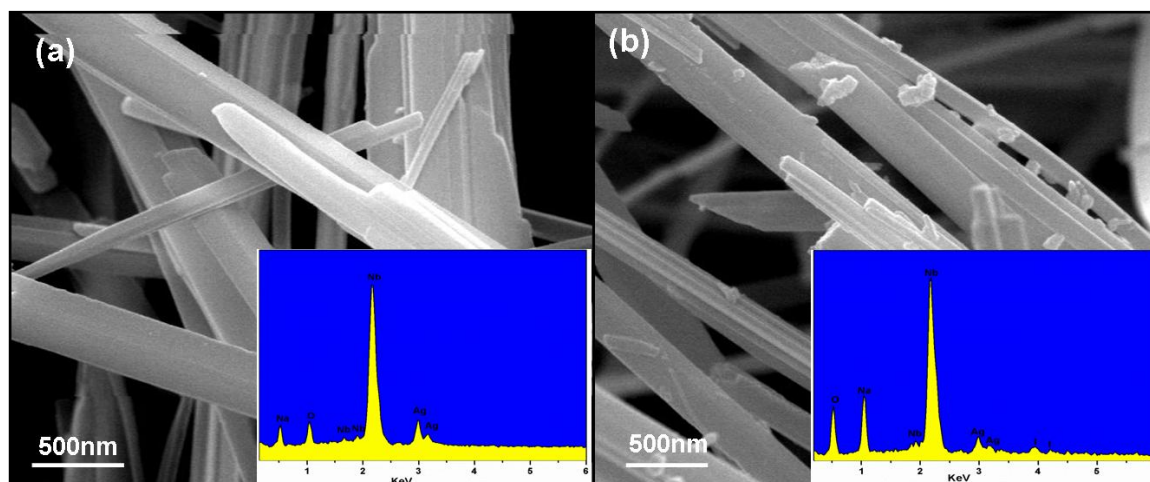


Fig.2 SEM images of Ag_2O -SNF before and after I^- anions adsorption

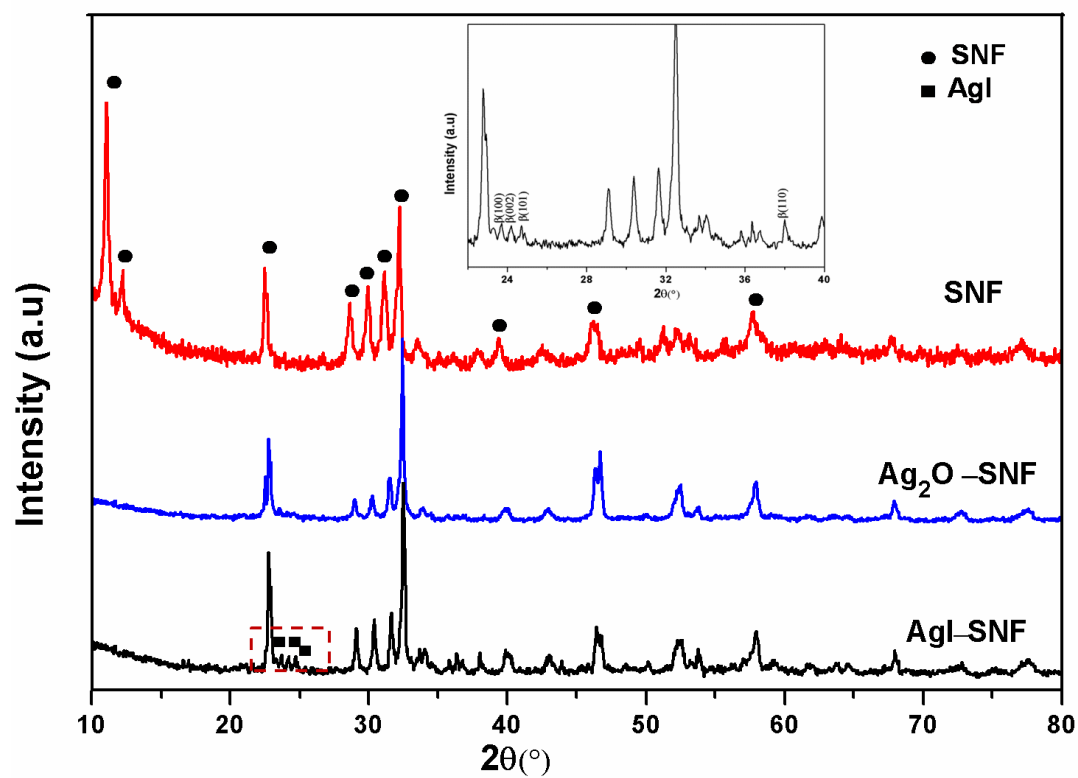


Fig.3 XRD patterns of sodium niobate nanofibers (SNF), Ag₂O anchored sodium niobate nanofibers (Ag₂O-SNF) and AgI anchored sodium niobate nanofibers (AgI-SNF)

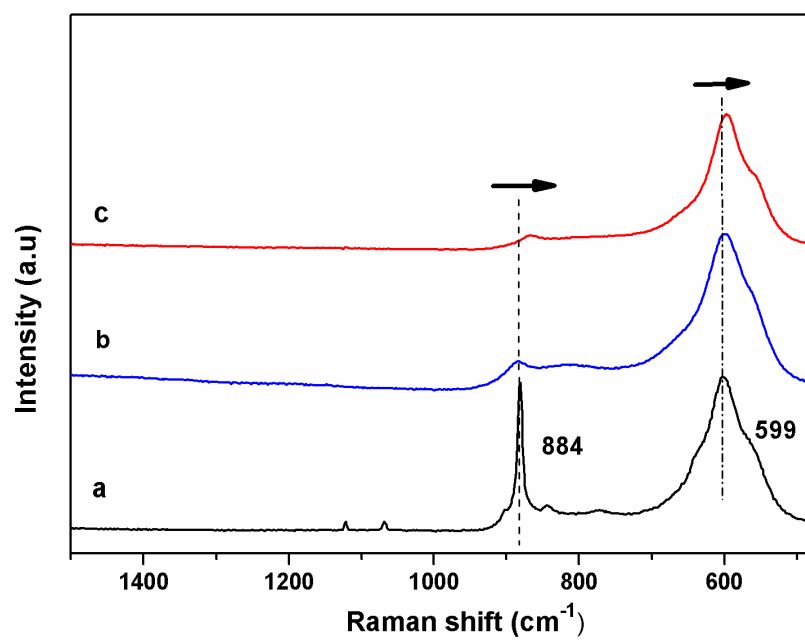


Fig.4 Raman spectra of (a) SNF, (b) Ag_2O -SNF and (c) AgI-SNF