

Au nanoparticle-functionalised WO₃ nanoneedles and their application in high sensitivity gas sensor devices

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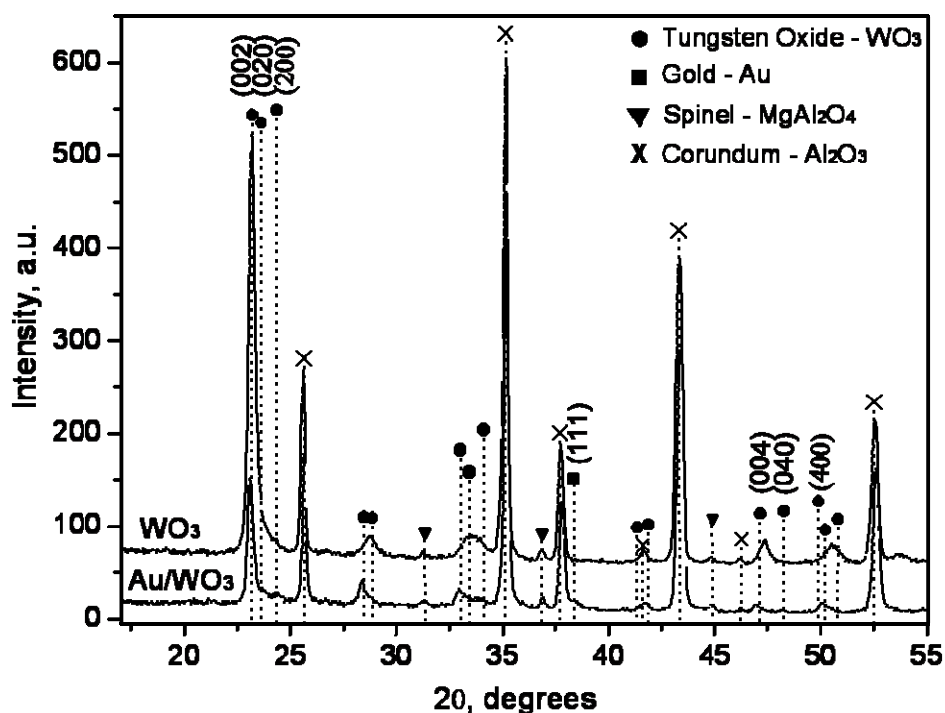


Fig. 1 XRD pattern of NP Au/WO₃ NN deposited *via* AACVD compared with non-functionalised WO₃ NN.¹⁹

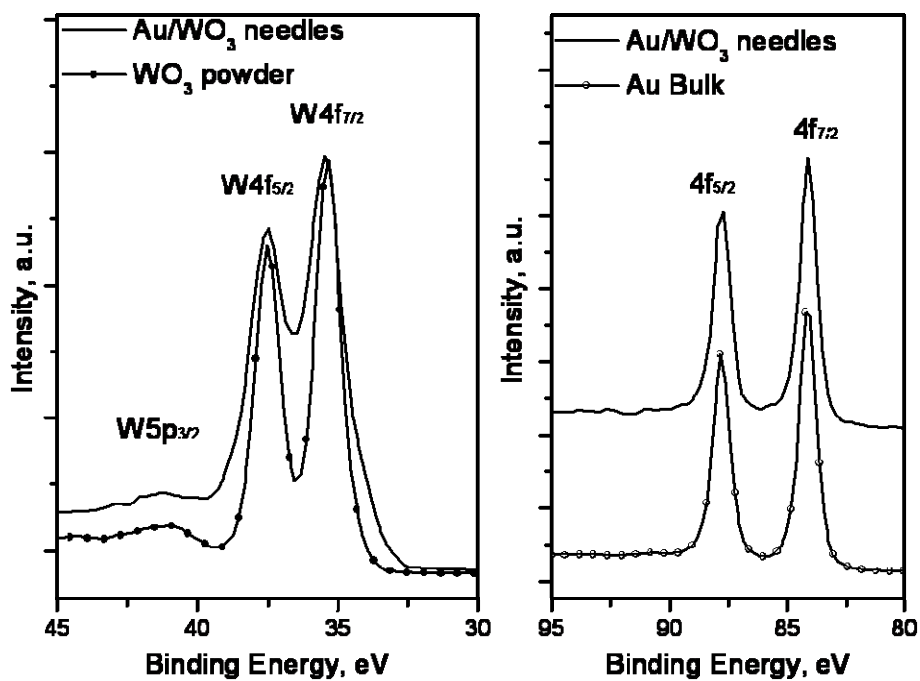


Fig. 2 XPS spectra of NP Au/WO₃ NN sample; a) W 4f region, compared to a thin film WO₃ standard and b) Au 4f region, compared to a gold standard.