

Supplementary Information

**Evaporation-induced self-assembly synthesis of Ni-doped
mesoporous SnO₂ thin films with tunable room temperature
magnetic properties**

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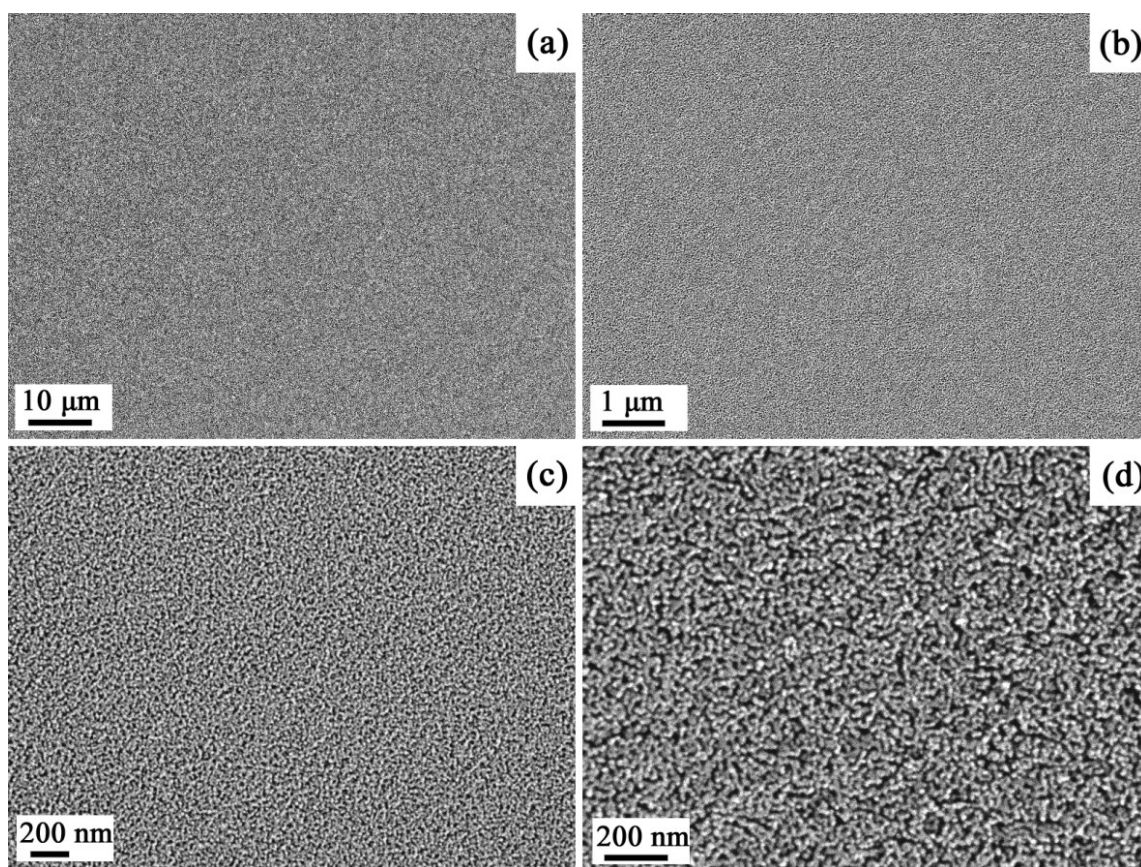


Fig. S1: SEM images of pure SnO₂ mesoporous films at different magnifications.

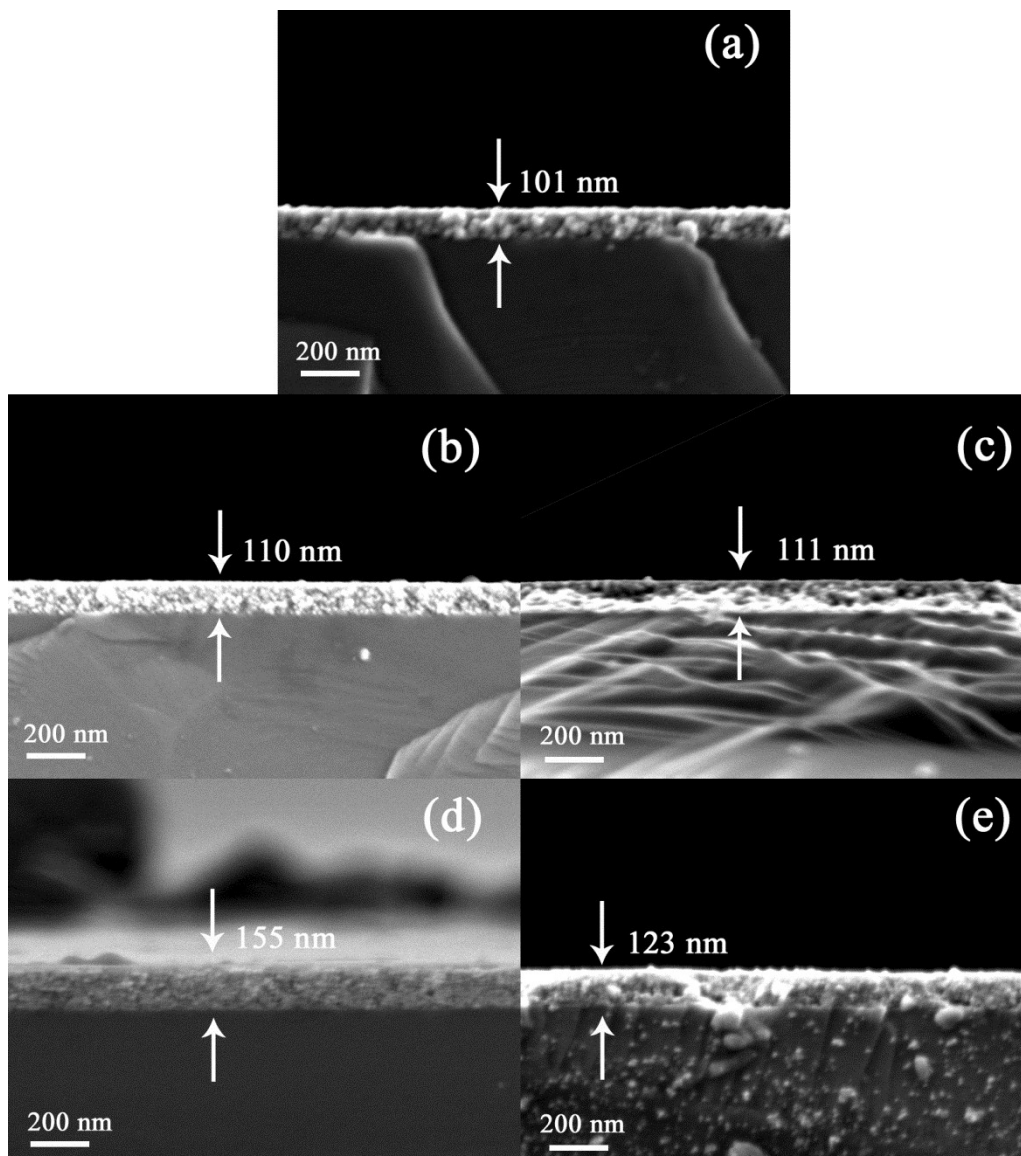


Fig. S2: Cross-section SEM images corresponding to undoped and Ni-doped SnO₂ films synthesized from variable [Ni(II)]:[Sn(IV)] molar ratios: (a) 0:100, (b) 5:95, (c) 10:90, (d) 15:85 and (e) 20:80.

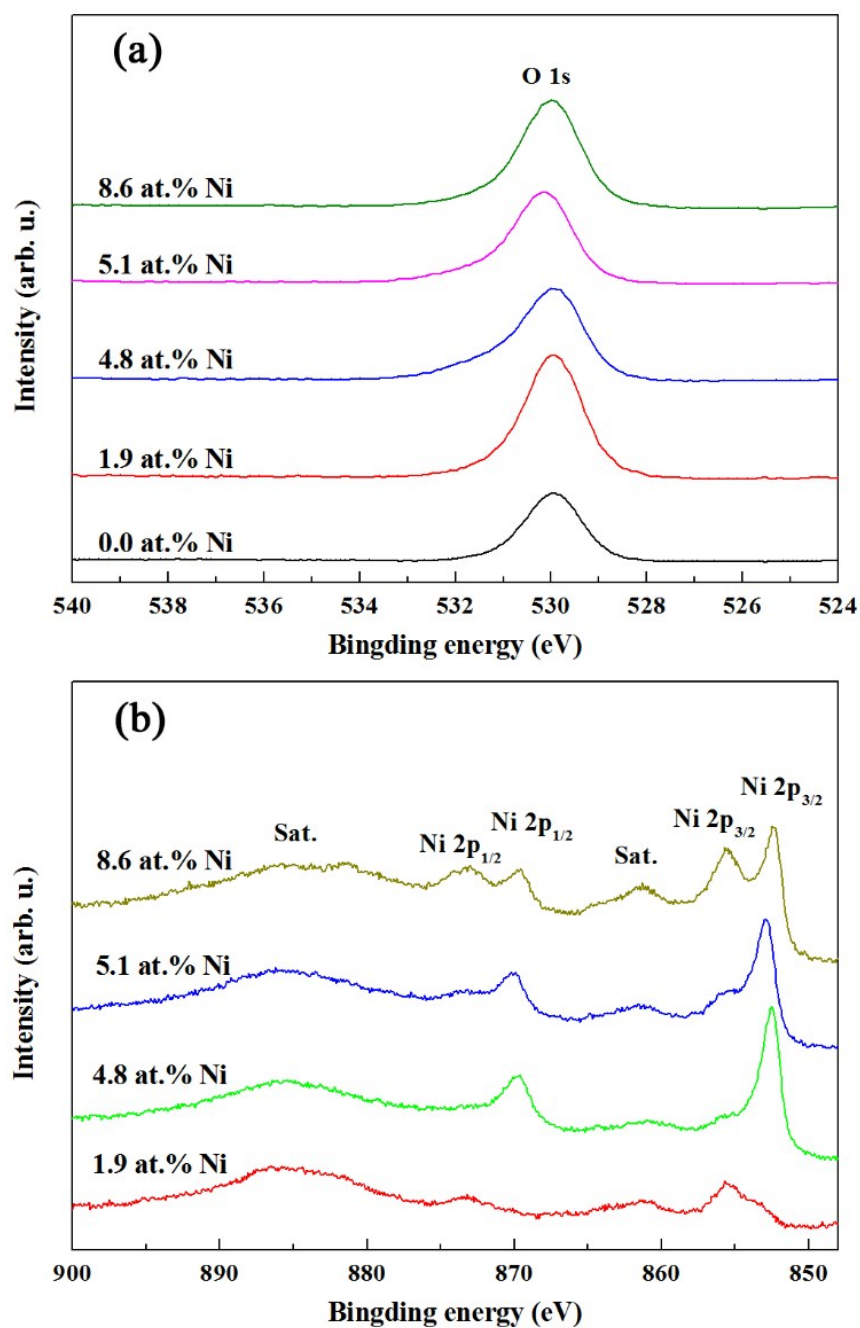


Fig. S3: High resolution XPS spectra of (a) O 1s and (b) Ni 2p for all the investigated samples.