

## Supporting materials

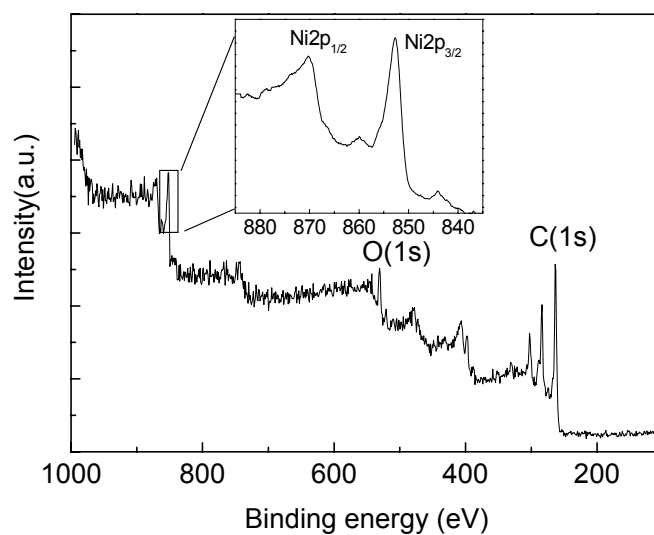


Fig.S1 XPS spectra of Ni nanoparticles. Inset shows the expand spectrum of Ni2p core lines.

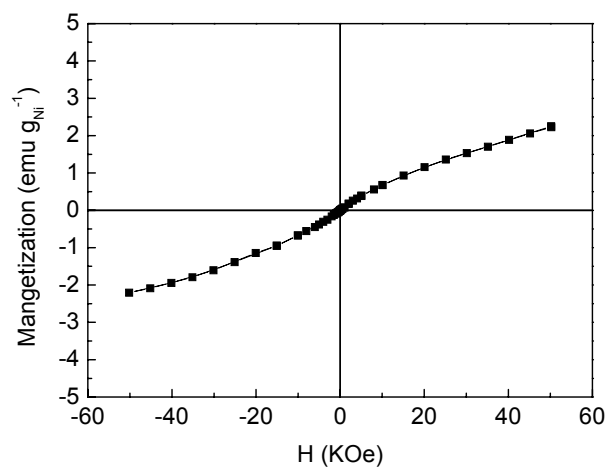


Fig. S2 Magnetization as a function of the applied field measured at 300K.