

Supplementary Doc

Investigation of novel inverted NiO@Ni_xCo_{1-x}O core-shell nanoparticles

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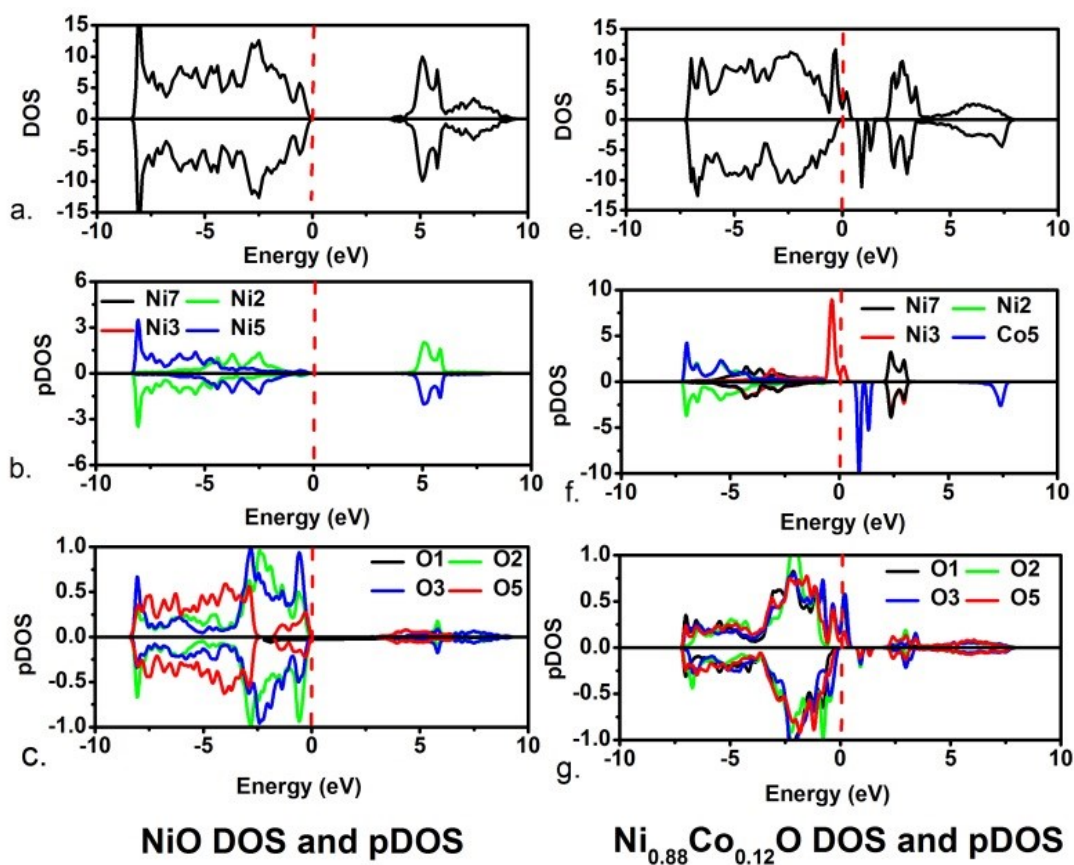


Figure S1. DOS and partial DOS (pDOS) from our DFT-based calculations of NiO (left panels) and Ni_{0.88}Co_{0.12}O (right panels)

Table S1. Magnetic moment of individual atom in NiO and structure Ni_{0.88}Co_{0.12}O

Atom	Magnetic moment (NiO) (μB)	Magnetic moment (Ni _{0.88} Co _{0.12} O) (μB)
Ni1	1.7	1.6432
Ni2	-1.7	-1.6768
Ni3	1.7	1.6767
Ni4	-1.7	-1.6382
Ni5/Co5	1.7	1.838
Ni6	-1.7	-1.6806
Ni7	1.7	1.68
Ni8	-1.7	-1.6728