

Supplementary information

Figure S1 shows $\theta - 2\theta$ XRD scan for the as-deposited films Ca:Co = 0.25, Ca:Co = 0.35 and Ca:Co = 0.45. XRD scans of all the as-deposited films are similar in appearance, albeit with varying CaO:CoO peak intensity ratios. It is evident from the XRD analyses that as deposited film consists of CaO and CoO phases.

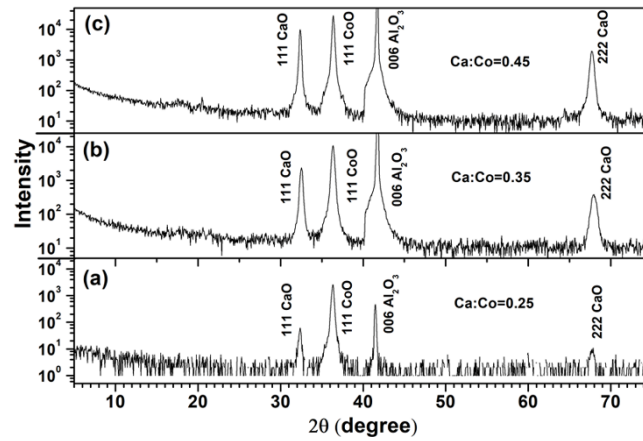


Figure S1. $\theta - 2\theta$ XRD patterns of as-deposited CaO–CoO film (a) Ca:Co = 0.25, (b) Ca:Co = 0.35, (c) Ca:Co = 0.45.