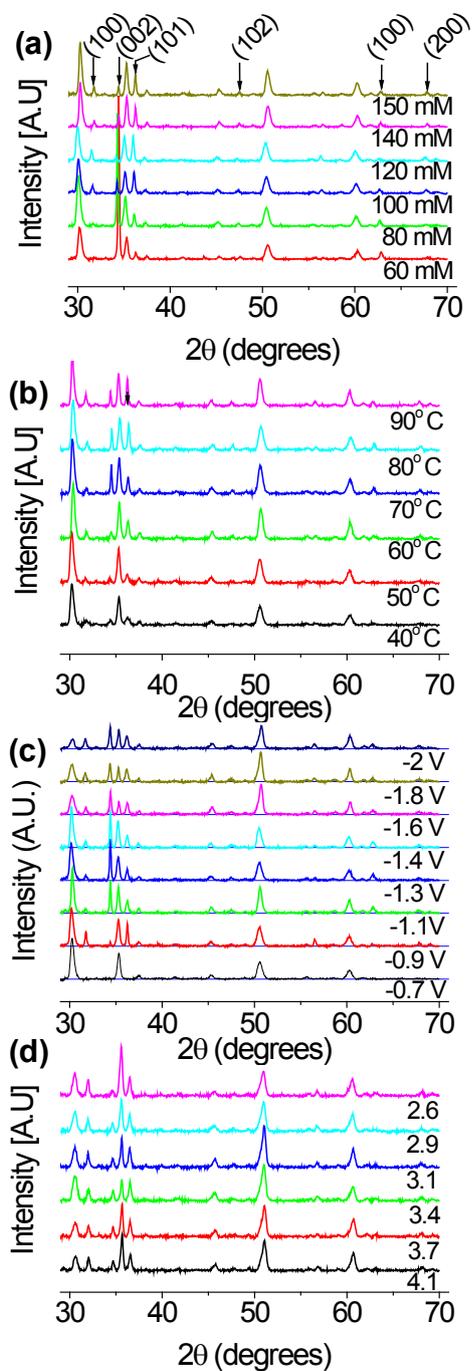


## Supporting information



**Fig S1.** Effect of Zn(NO<sub>3</sub>)<sub>2</sub> concentration (a), temperature (b), potential (c) and pH (d) on the XRD patterns. The ZnO peaks have been labeled, all the other peaks are matched to the ITO substrate.