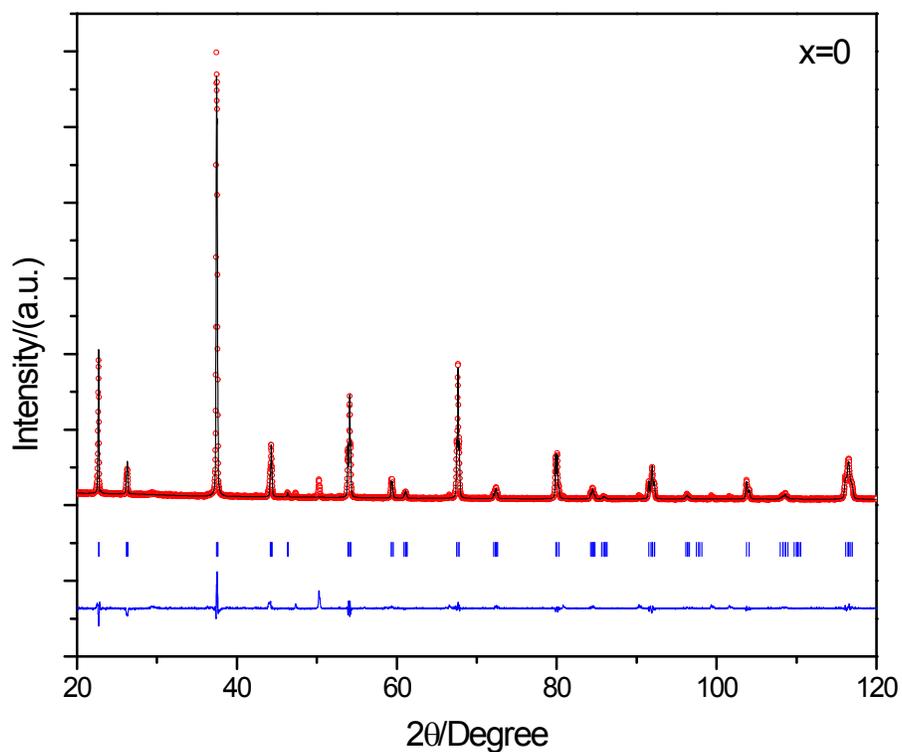
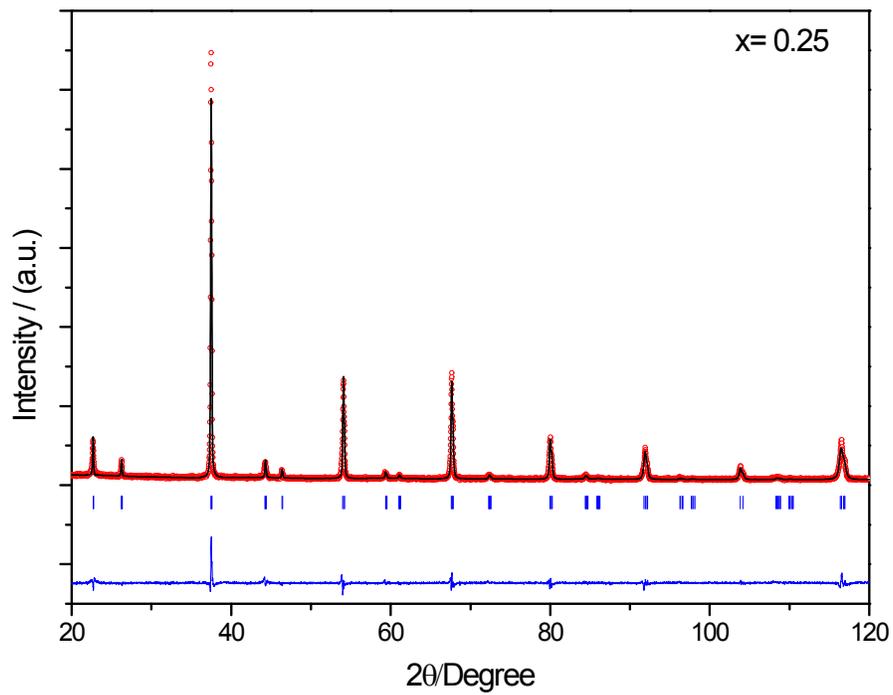


### Supplementary Information

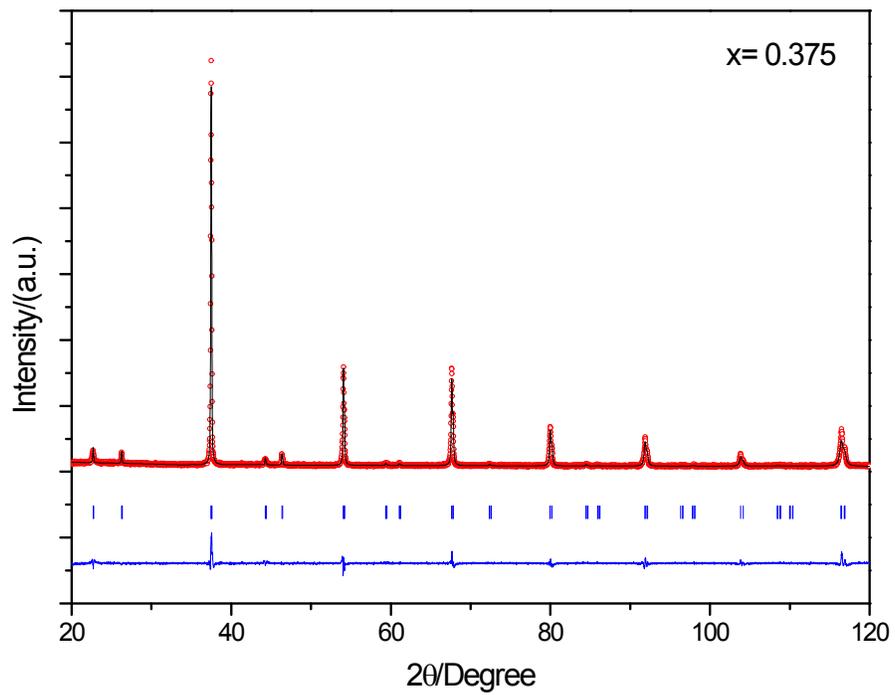
Structural characterization was carried out by X-ray diffraction analysis using a Panalytical X-Pert Pro diffractometer at Co-K $\alpha$  radiation ( $K_{\alpha} = 1.79031 \text{ \AA}$ ) equipped with a multichannel detector X'celerator in the  $\theta$ - $\theta$  Bragg-Brentano geometry.



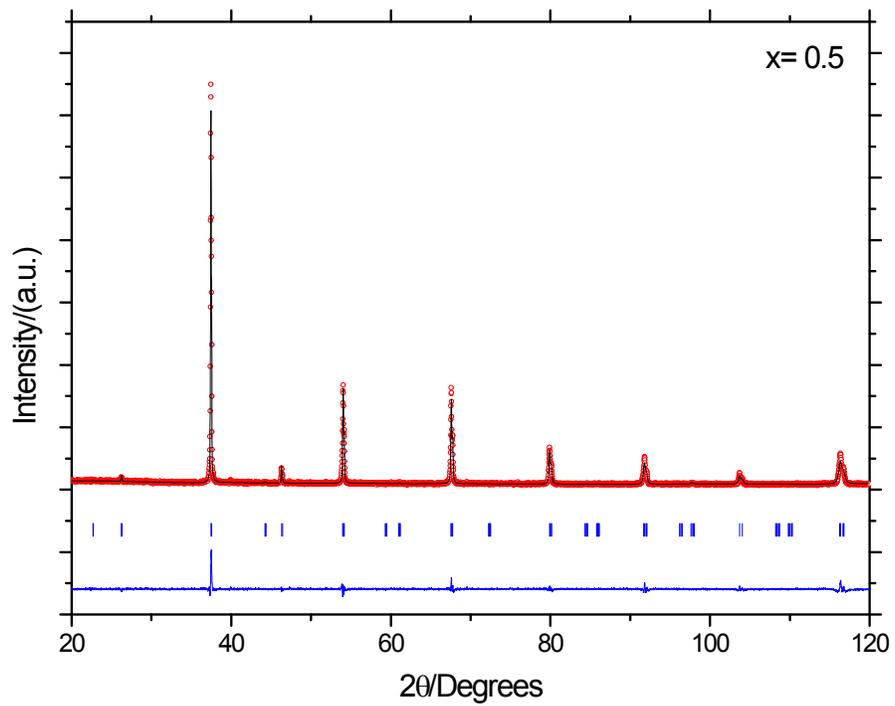
**Figure SI 1.a:** Refined diffractogram for  $x= 0$ . Experimental (red circles), calculated (black line), Difference (Blue line) and Bragg positions (Blue vertical lines). An impurity peak can be observed near  $51^\circ$ .



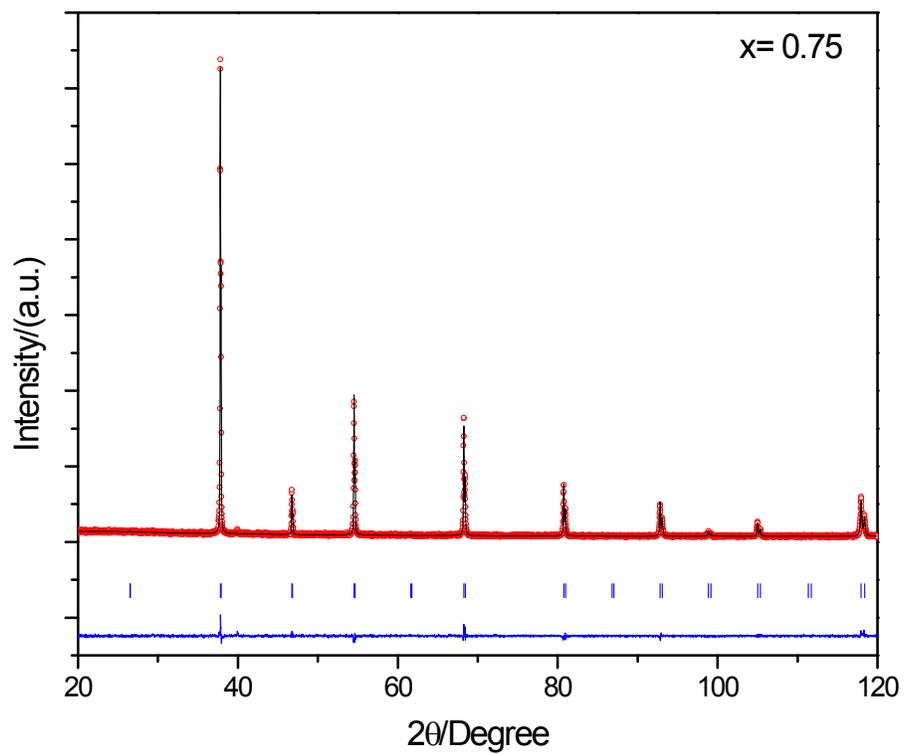
**Figure SI 1.b:** Refined diffractogram for  $x = 0.25$ . Experimental (red circles), calculated (black line), Difference (Blue line) and Bragg positions (Blue vertical lines).



**Figure SI 1.c:** Refined diffractogram for  $x = 0.375$ . Experimental (red circles), calculated (black line), Difference (Blue line) and Bragg positions (Blue vertical lines).



**Figure SI 1.d:** Refined diffractogram for  $x = 0.5$ . Experimental (red circles), calculated (black line), Difference (Blue line) and Bragg positions (Blue vertical lines).



**Figure SI 1.e:** Refined diffractogram for  $x = 0.75$ . Experimental (red circles), calculated (black line), Difference (Blue line) and Bragg positions (Blue vertical lines).