Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A.

Supporting Information

Enhanced antiferroelectric phase stability in La-doped $AgNbO_3$: perspectives from the microstructure to energy storage property

Fig. S1 Rietveld refinement of neutron diffraction pattern of (a) ANL0, (b) ANL1, (c) ANL2, (d) ANL3, (e) ANL4, showing experimental data (points), calculated data (line) and difference (lower line) profiles.

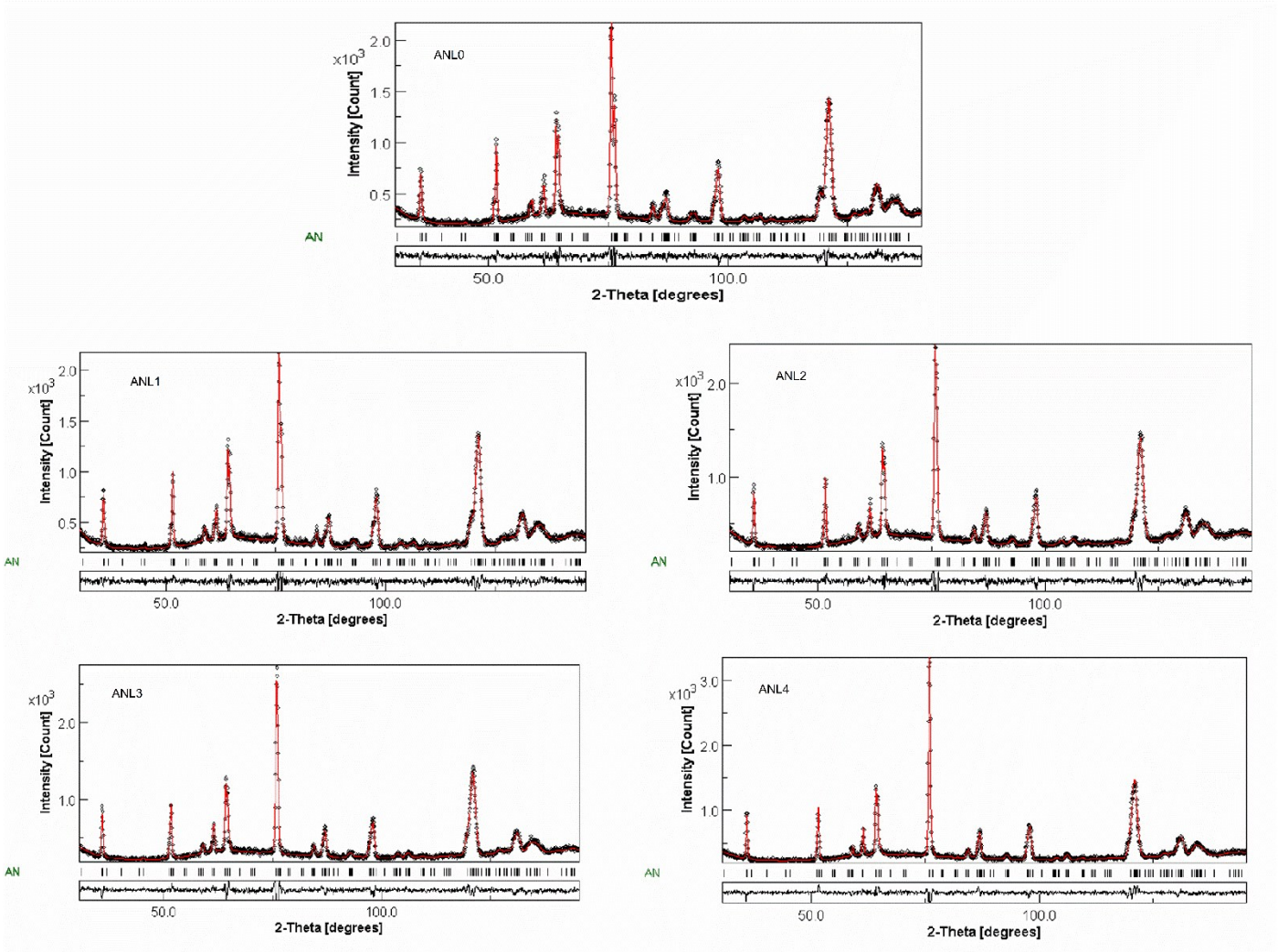

Table. S1 Cell parameters, calculated density and R-factors for ANL*X* ceramics at 25 °C.

Composition	a	b	c	Density	Rwp	Rexp
ANL0	5.5526(3)	5.6066(3)	15.6656(7)	6.7763	0.0604	0.0553
ANL1	5.5500(3)	5.6026(3)	15.6827(8)	6.7854	0.0542	0.0528
ANL2	5.5476(3)	5.5965(4)	15.6966(9)	6.7981	0.05593	0.0512
ANL3	5.5437(3)	5.5932(4)	15.7022(9)	6.8129	0.0651	0.0546
ANL4	5.5431(3)	5.5872(3)	15.7186(9)	6.8204	0.0579	0.0543

Table. S2 Refined results of atomic coordinates for pure $AgNbO_3$ at room temperature.

Atom	x	y	z	B_{eq}(Å^2)
Ag1	0.757(3)	0.252(3)	0.75	0.36(9)
Ag2	0.75	0.25	0.5	=B_{eq}(Ag1)
Nb	0.740(3)	0.728(1)	0.625	0.13(1)
O1	0.804(1)	0.760(3)	0.75	0.39(9)
O2	0.695(1)	0.75	0.5	=B_{eq}(O1)
O3	0.467(5)	0.532(5)	0.637(2)	=B_{eq}(O1)
O4	-0.032(5)	0.467(5)	0.612(2)	=B_{eq}(O1)