

	LSCF	PSCF (phase 1)	PSCF (phase 2)	NSCF (phase 1)	NSCF (phase 2)
Space group	$R\bar{3}c$	$R\bar{3}c$	Pnma	$R\bar{3}c$	Pnma
Weight fraction	1	0.52	0.48	0.16	0.84
a (Å)	5.43670(1)	5.42139(1)	5.39099(3)	5.41200(7)	5.38121(1)
b (Å)	5.43670(1)	5.42139(1)	7.61885(3)	5.41200(7)	7.60651(1)
c (Å)	13.25555(1)	13.15816(3)	5.43564(2)	13.14912(21)	5.43092(1)
χ^2	4.873	5.629	5.629	4.208	4.208
R_{wp}	14.1%	14.2%	14.2%	10.7%	10.7%

Table S1: Rietveld fit parameters for synchrotron powder XRD of the materials at room temperature.

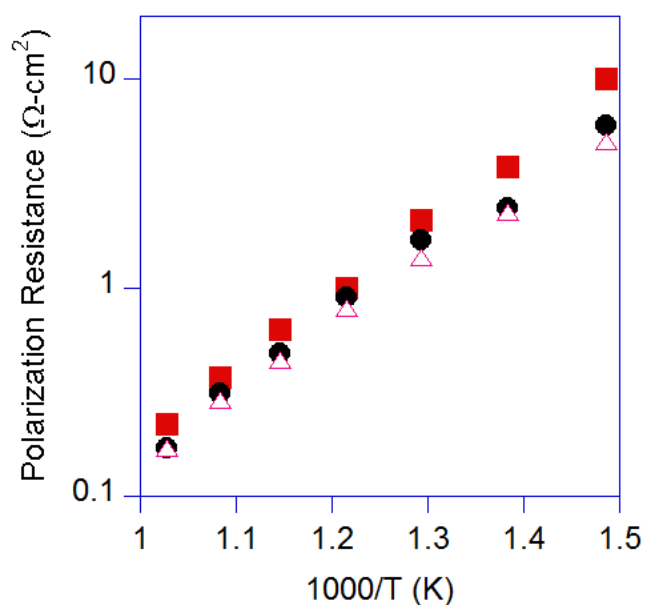


Figure S1: Area specific polarization resistance of symmetric cells made from the three materials, as measured by EIS. Silver ink was used as a current collector. Squares represent LSCF, circles PSCF, and open triangles NSCF.