

Supplementary Materials

An Effective Strategy to Enhance the Electrocatalytic Activity of Ruddlesden–Popper Oxides $\text{Sr}_3\text{Fe}_2\text{O}_{7-\delta}$ Electrodes for Solid Oxide Fuel Cells

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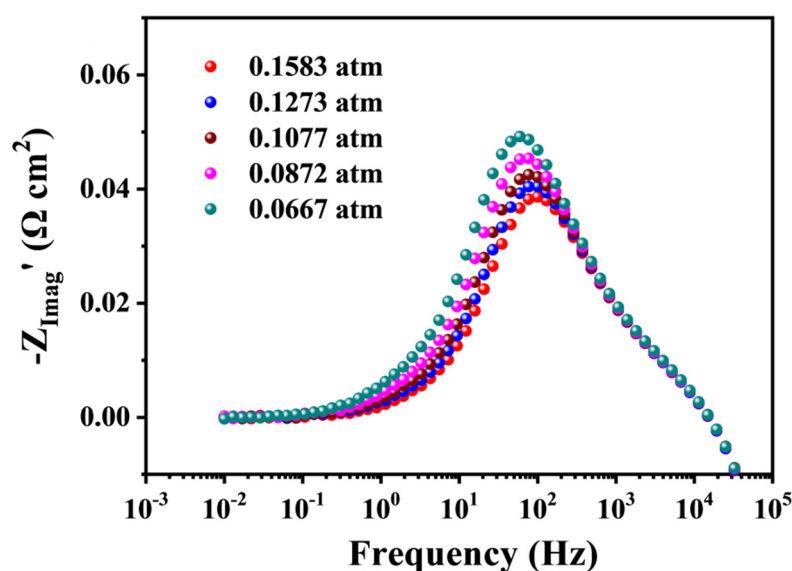


Figure S1. Bode plots of the SFC10 cathode under different oxygen partial pressures.

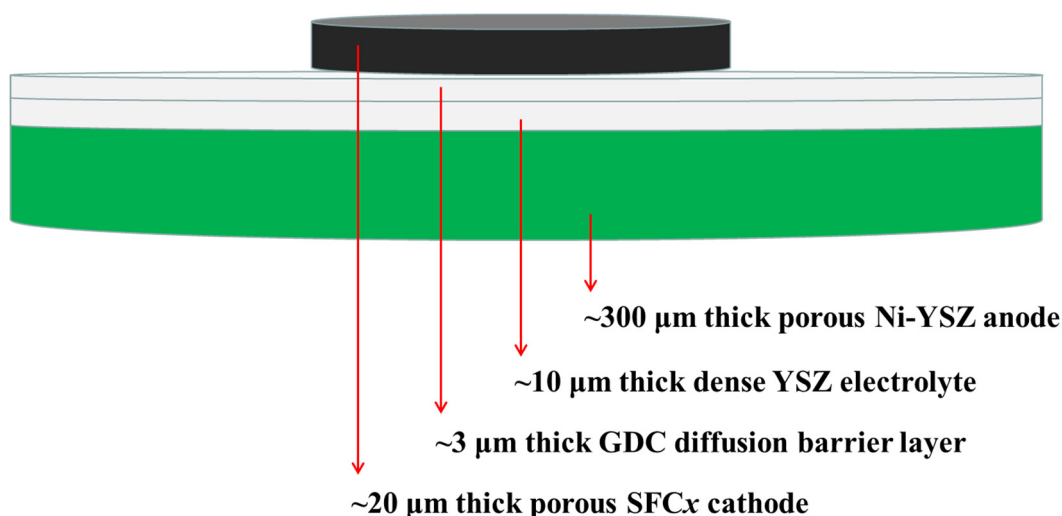


Figure S2. The schematic of the anode-supported single cell.

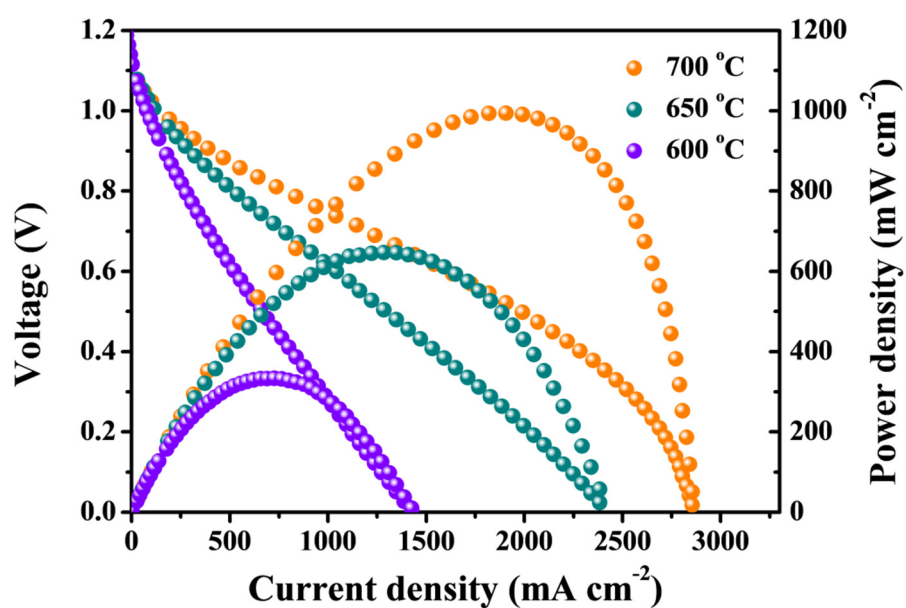


Figure S3. I - V and I - P curves of the single cells with SFC10 cathode at 600–700 °C.

Table S1. Lattice parameters of the SFCx oxides.

Space group	SFO	SFC10	SFC20
	$I4/mmm$	$I4/mmm$	$I4/mmm$
a (Å)	3.86450	3.86100	3.85320
b (Å)	3.86450	3.86100	3.85320
c (Å)	20.14760	20.15580	20.14060
V (Å) ³	300.892	300.469	299.031
χ^2	1.347	1.522	3.217
R_{wp} (%)	5.166	4.698	6.962
R_p (%)	4.099	3.734	5.044