

Supplementary information for

New two-layer Ruddlesden-Popper cathode materials for protonic ceramics fuel cells

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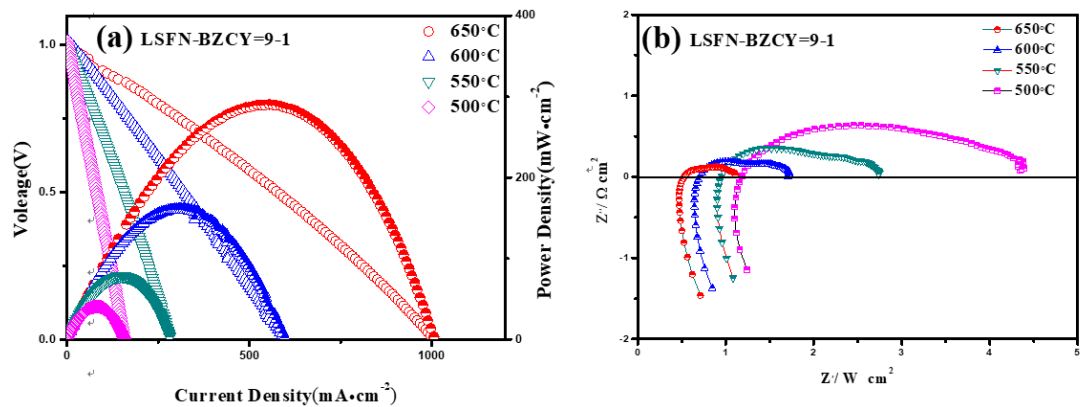


Fig. S1 I-V-P (a) and I-Z (b) curves of anode supported PCFCs with LSFN-BZCY (9:1) composite cathode measured from 650 to 500 °C.

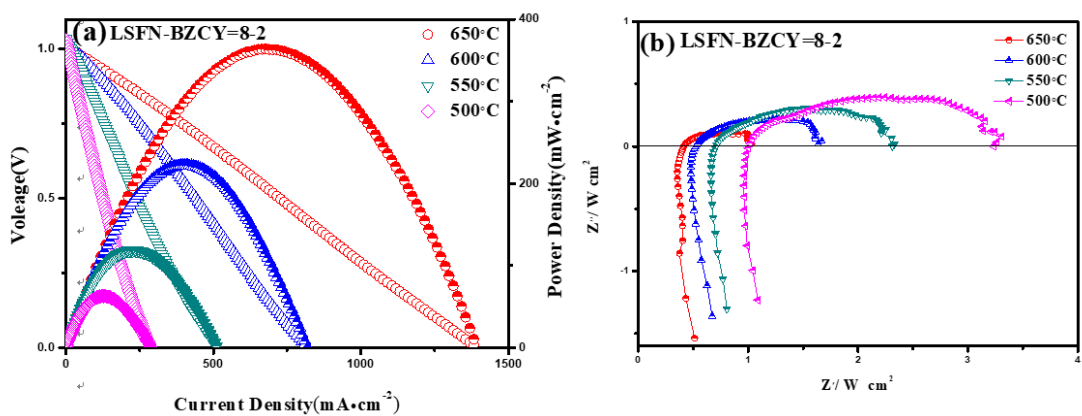


Fig. S2 I-V-P (a) and I-Z (b) curves of anode supported PCFCs with LSFN-BZCY (8:2) composite cathode measured from 650 to 500 °C.

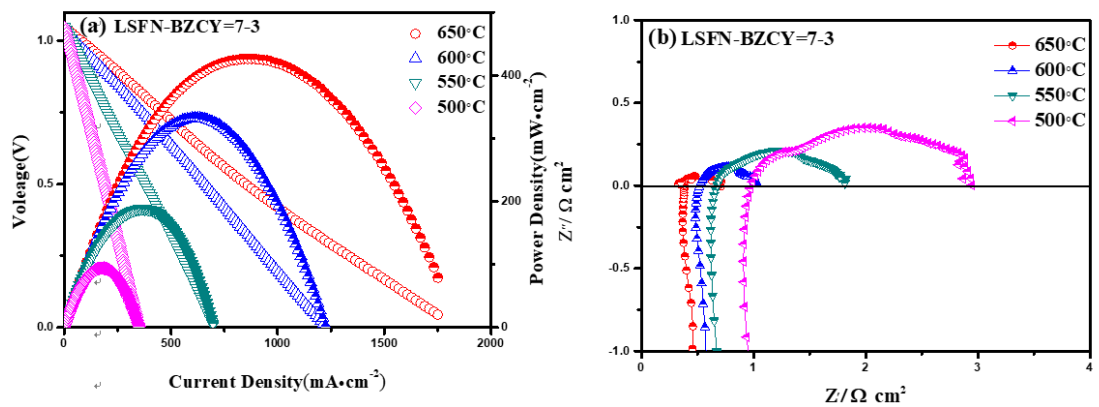


Fig. S3 I-V-P (a) and I-Z (b) curves of anode supported PCFCs with LSFN-BZCY (7:3) composite cathode measured from 650 to 500 °C.

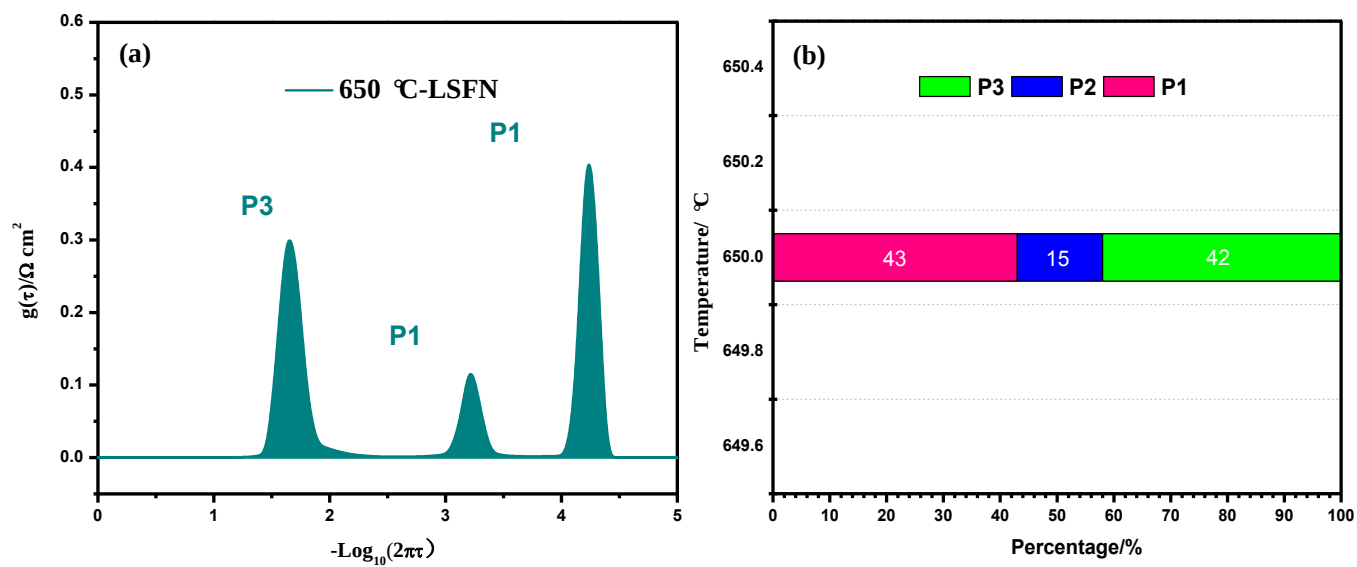


Fig. S4 DRT analysis results of the impedance spectra under open-circuit conditions at 650 °C for LSFN.