

Comparative study on the performance of tubular and button cells with BZCY of proton conducting membrane

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Solid Oxide Fuel Cells (SOFCs) have attracted much attention worldwide as energy conversion devices due to their many advantages such as high-energy efficiency, low pollution emission, and high flexibility with various fuels. The SOFCs system is classified as two types of designs; planar-type and tubular-type. Both tubular and button solid oxide fuel cells (SOFCs) with configuration Ni-BZCY/FL/BZCY/LSCF-BZCY were fabricated and prepared in their performance. A dip-coating and vacuum slurry coating method were used for preparing thin dense BZCY electrolyte layer.