

Fualt Monitoring based on hierarchical PCA in the 300kW MCFC system

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Fuel cell's life is very short compared with other industry equipment. Also its operating condition is unstage. So fault monitoring is important to maintain stack power, guarantee safety and grow longer life.

In this study, I use hierarchical PCA in the 300kW MCFC system. From feasible measuring sensing data (temperature, pressure, fuel concentration, air flux etc), I carry out fault monitoring 300kW MCFC system.