

### Preparation of Ni/Cu modified perovskite catalysts

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Ni/Cu modified  $\text{La}_{0.8}\text{Sr}_{0.2}\text{Ni}_{(1-x)}\text{Cu}_x$  catalyst were prepared by sol-gel method with each Ni/Cu ratio. precursor powders were calcined at 1173K for two hours. Fabricated catalysts were characterized by XRD and TG analysis.  $\text{La}_{0.8}\text{Sr}_{0.2}\text{Ni}_{(1-x)}\text{Cu}_x$  catalyst were tested in SOFC Reactor. The results show that  $\text{La}_{0.8}\text{Sr}_{0.2}\text{Ni}_{(1-x)}\text{Cu}_x$  catalyst had a high activity and stability for the methane dry reforming.