

## Autothermal Dry Reforming of Methane on Perovskite Precursor Catalyst

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Dry reforming of methane is getting more attention as a potent strategy to reduce carbon dioxide emission. For industrial uses, however, it seems that the intensive endothermicity of the reaction and carbon deposition on the catalyst surface should be overcome. In this experiment, to meet this technical requirement, autothermal dry reforming has been adopted to efficiently support energy to this reaction and also perovskite precursor catalyst is tested.