

Supplementary Materials: Anodized Aluminum Oxide Supported NiO-CeO₂ Catalyst for Dry Reforming of Propane

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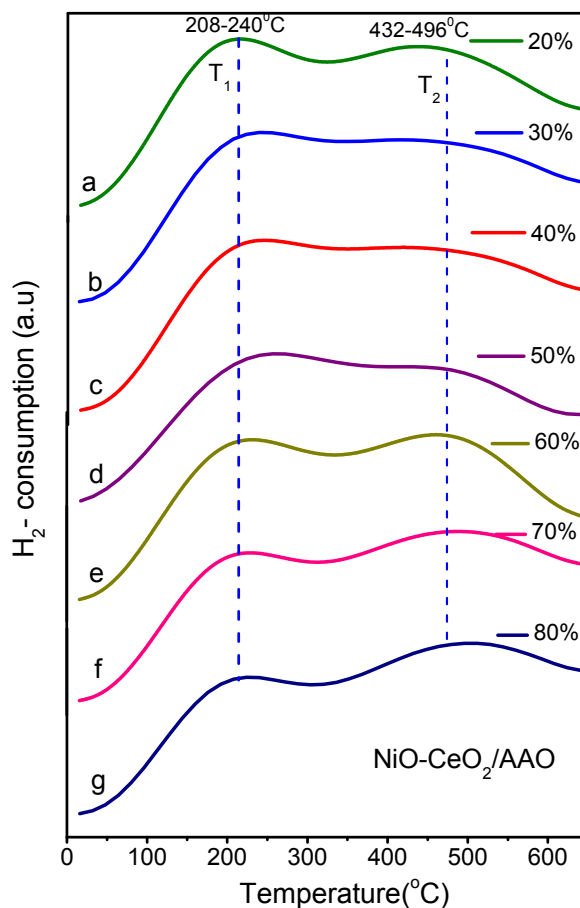


Figure S1. TPR (temperature programmed reduction) profiles of the catalysts: (a) 20% NiO-CeO₂/AAO; (b) 30% NiO-CeO₂/AAO; (c) 40% NiO-CeO₂/AAO; (d) 50% NiO-CeO₂/AAO; (e) 60% NiO-CeO₂/AAO; (f) 70% NiO-CeO₂/AAO; (g) 80% NiO-CeO₂/AAO.

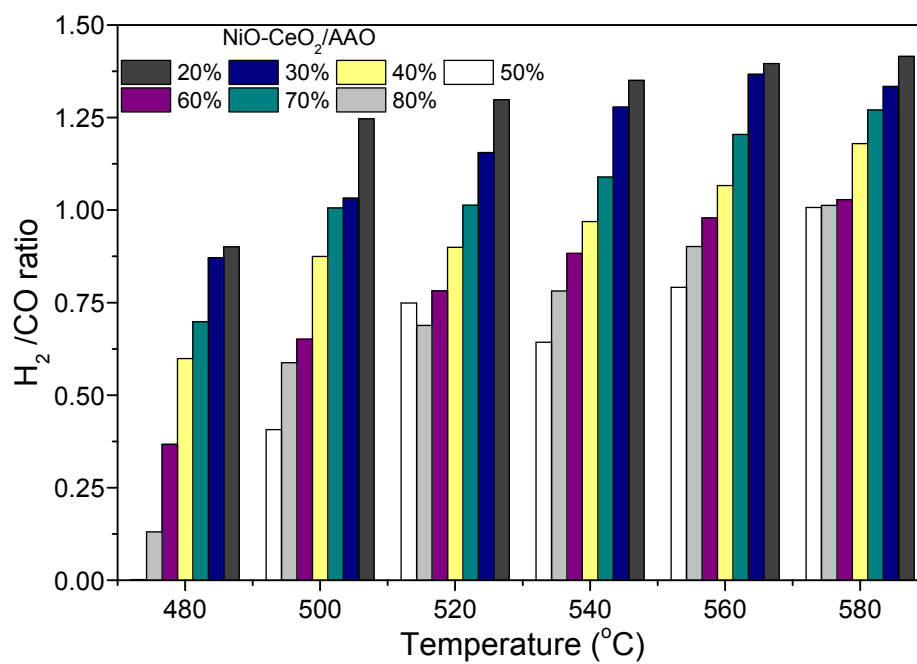


Figure S2. H₂/CO ratios achieved by the DRP (dry reforming of propane) over different NiO-CeO₂/AAO catalysts.

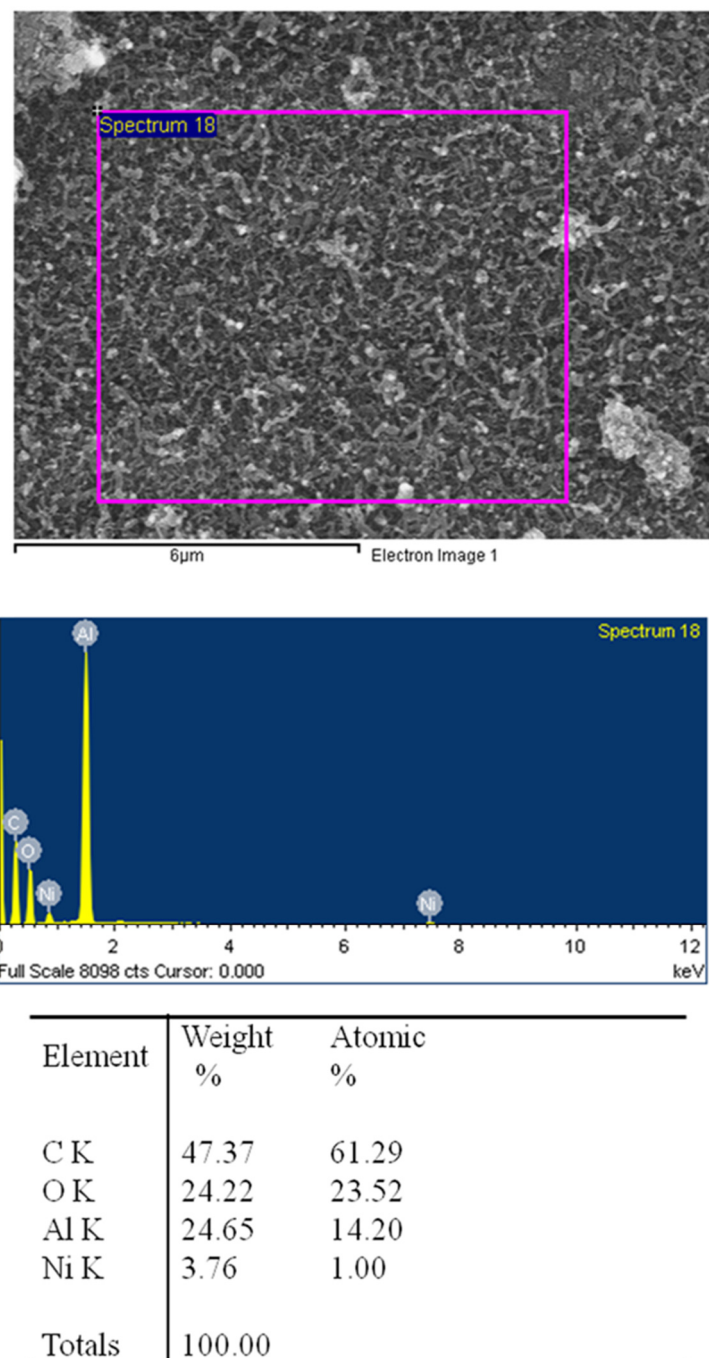


Figure S3. SEM (scanning electron microscopy) and EDX (Energy-dispersive X-ray spectroscopy) spectra of the 20% NiO-CeO₂/AAO catalyst after the DRP.