$CeNiO_3$ perovskite nanoparticles using gelatin as a chelating agent for CO_2 dry reforming of methane.

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Supplementary documents

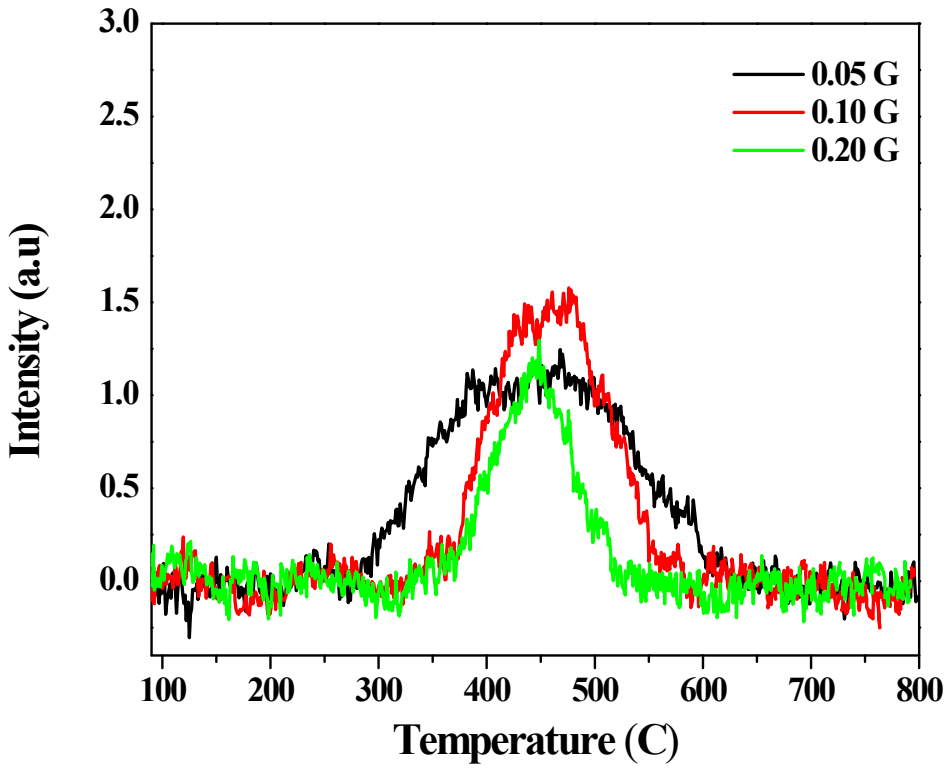

Figure S1 – TPO of fresh $CeNiO_3$ catalysts synthesized using 0.05g, 0.1g and 0.2g gelatin.

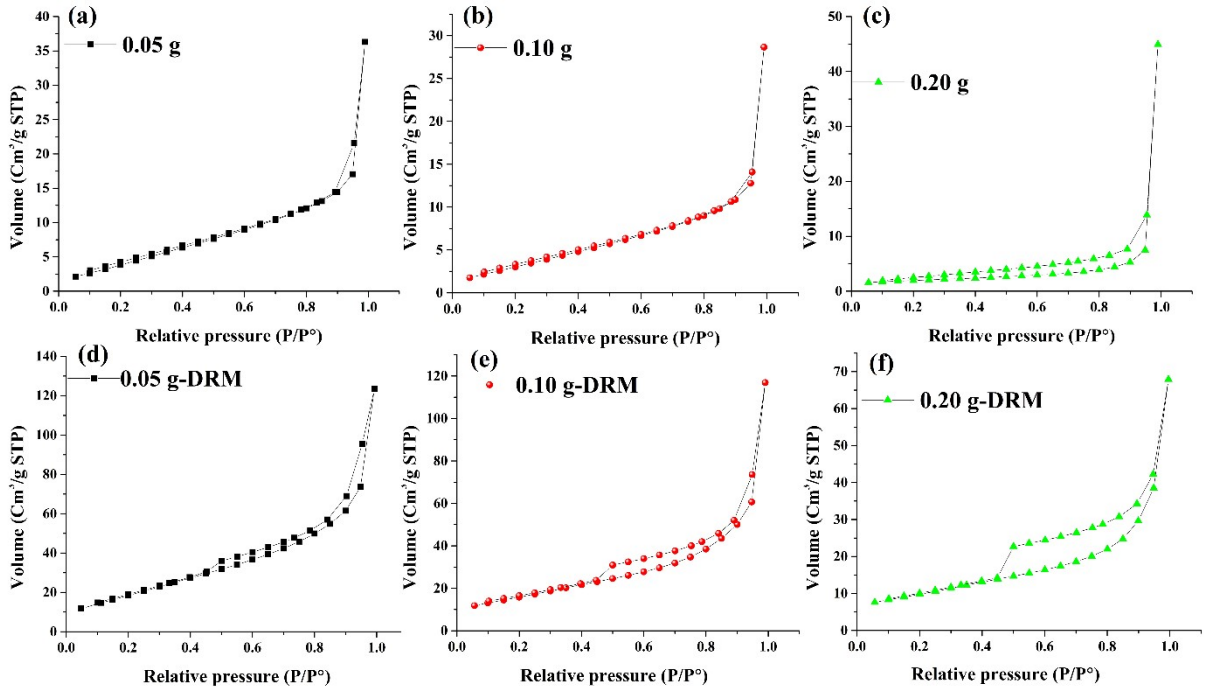

Fig S2. N_2 adsorption-desorption isotherms of $CeNiO_3$ Perovskites synthesized using 0.05g, 0.1g and 0.2g gelatin; after calcination (a, b, c) and after 24h dry reforming reaction at 600°C (d, e, f).

CO_2 Temperature programmed desorption

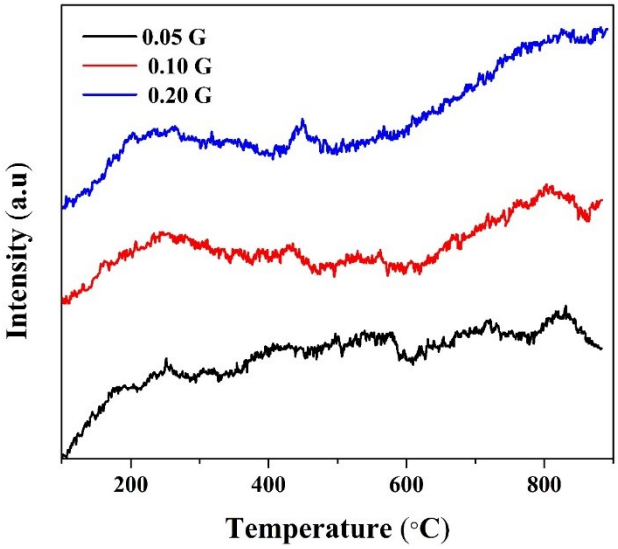

Fig S3. CO_2-TPD profiles of $CeNiO_3$ perovskites synthesized using 0.05g, 0.1g and 0.2g gelatin.

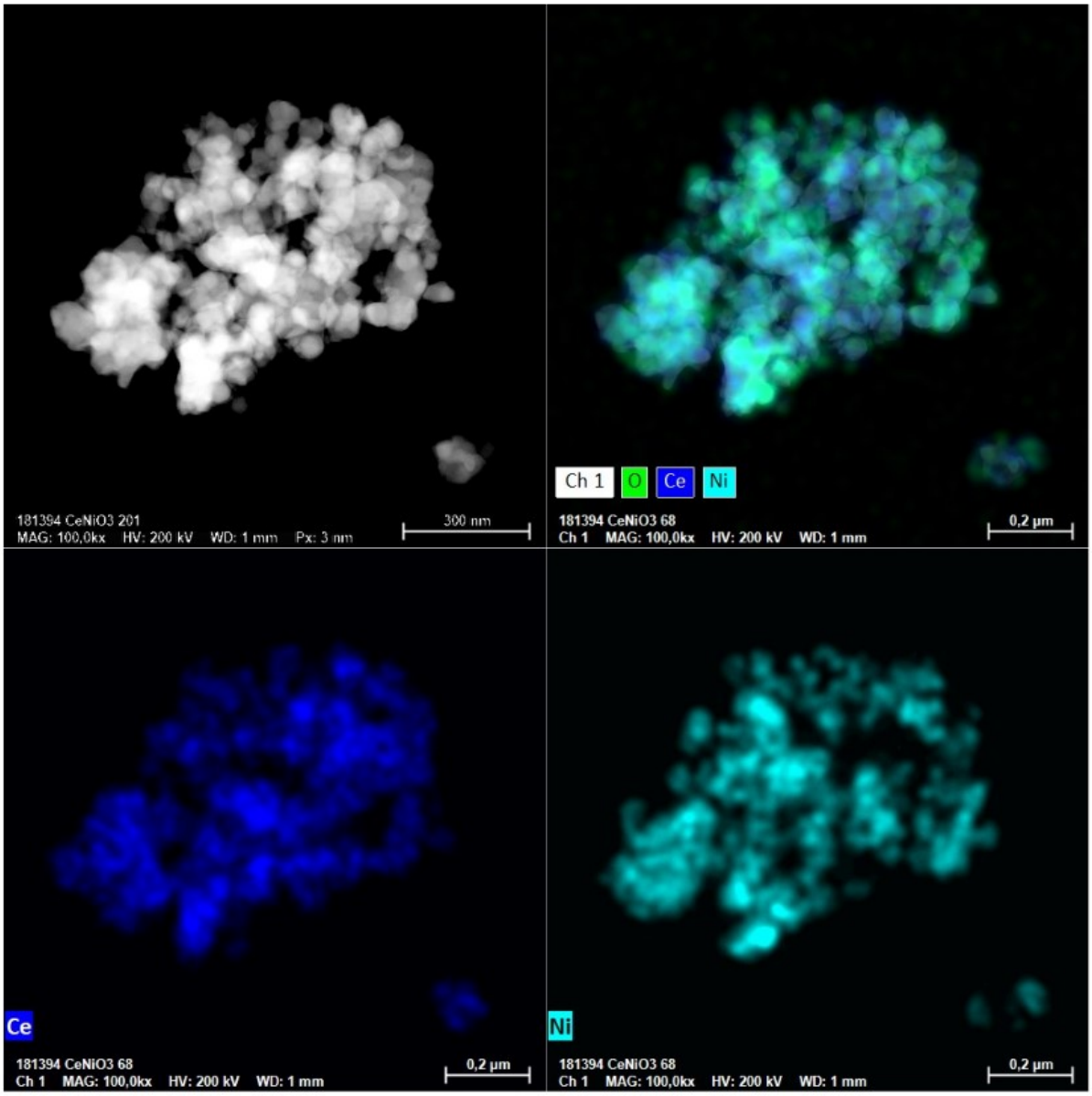

Fig S4. EDX analysis of $CeNiO_3$ perovskites synthesized 0.2g gelatin.