

Methane dry reforming: influence of the SiO₂ and Al₂O₃ supports on the catalytic properties of Ni catalysts

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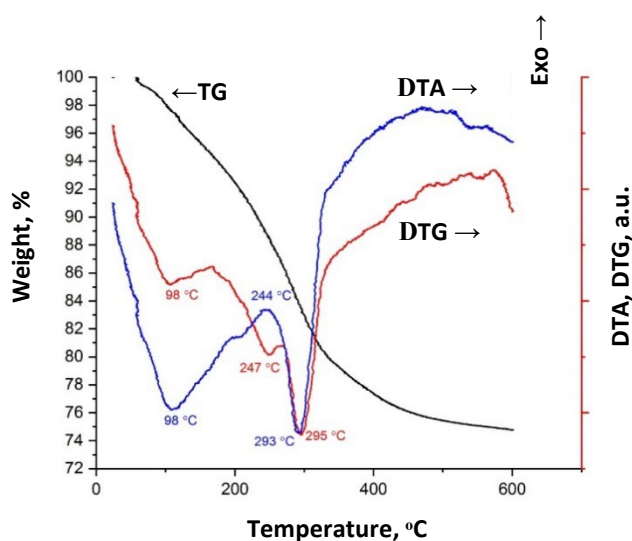


Figure S1. TG, DTG, and DTA curves of the Ni/Al₂O₃ catalyst.

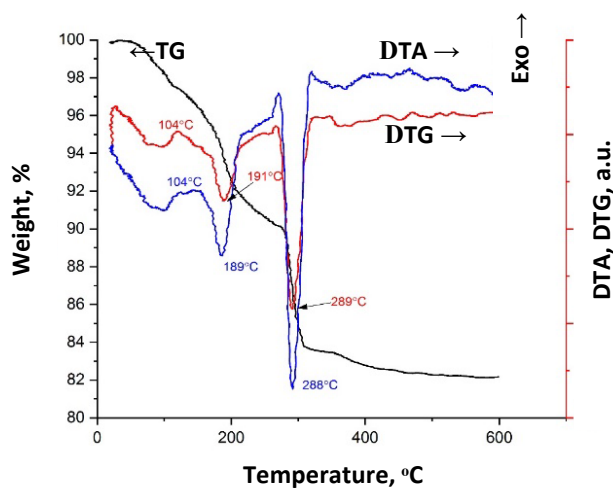


Figure S2. TG, DTG, and DTA curves of the Ni/SiO₂-HS catalyst.

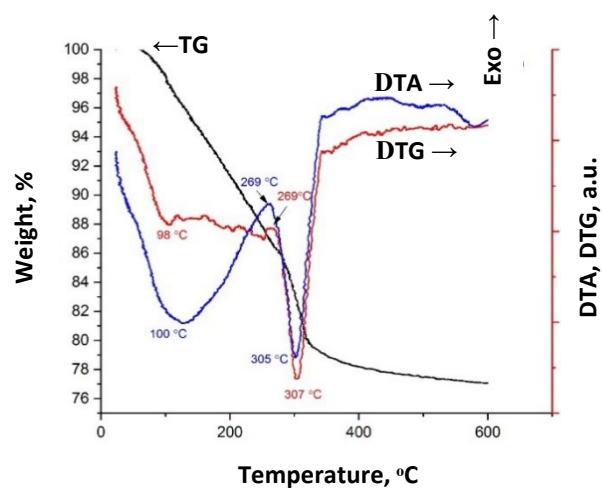


Figure S3. TG, DTG, and DTA curves of the Ni/SiO₂-Al₂O₃ catalyst.

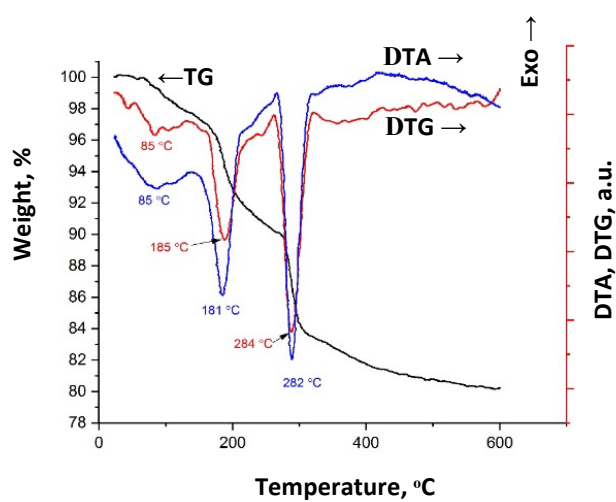


Figure S4. TG, DTG, and DTA curves of the Ni/SiO₂-LS catalyst.

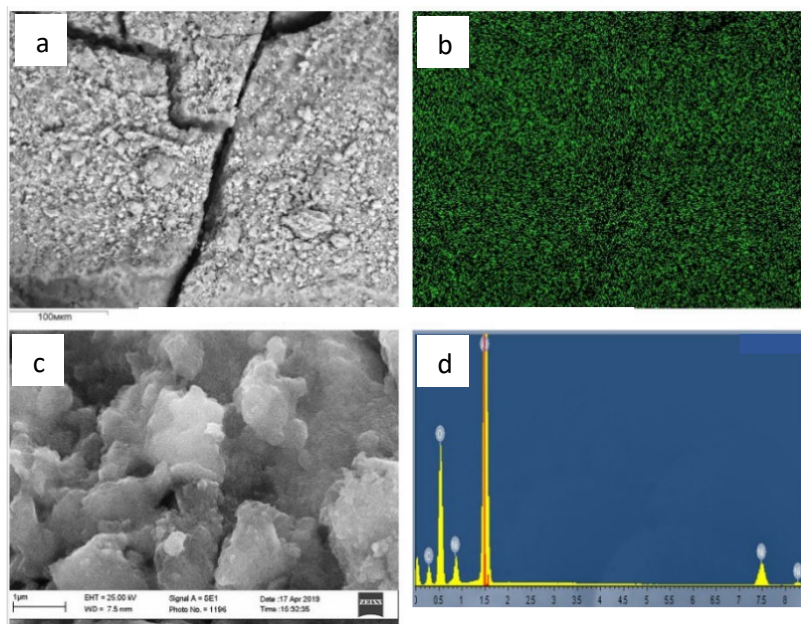


Figure S5. SEM-EDX for the Ni/Al₂O₃ catalyst: SEM image (a, c) and EDX (b, d).

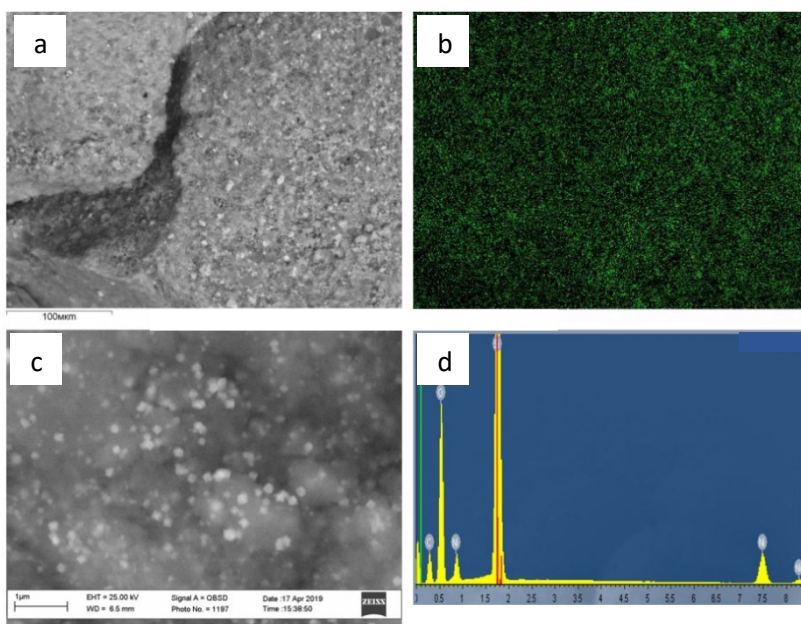


Figure S6. SEM-EDX for the Ni/SiO₂-HS catalyst: SEM image (a, c) and EDX (b, d).

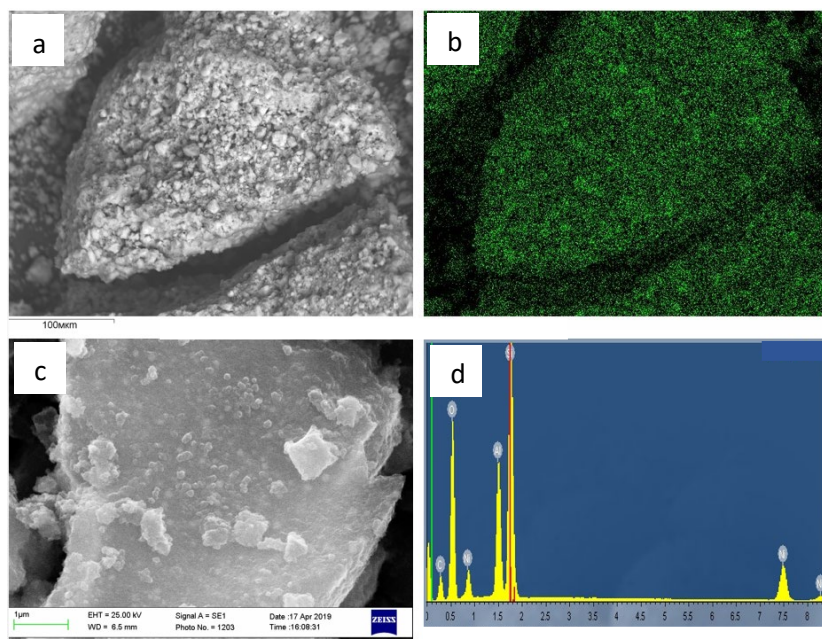


Figure S7. SEM-EDX for the Ni/SiO₂-Al₂O₃ catalyst: SEM image (a, c) and EDX (b, d).

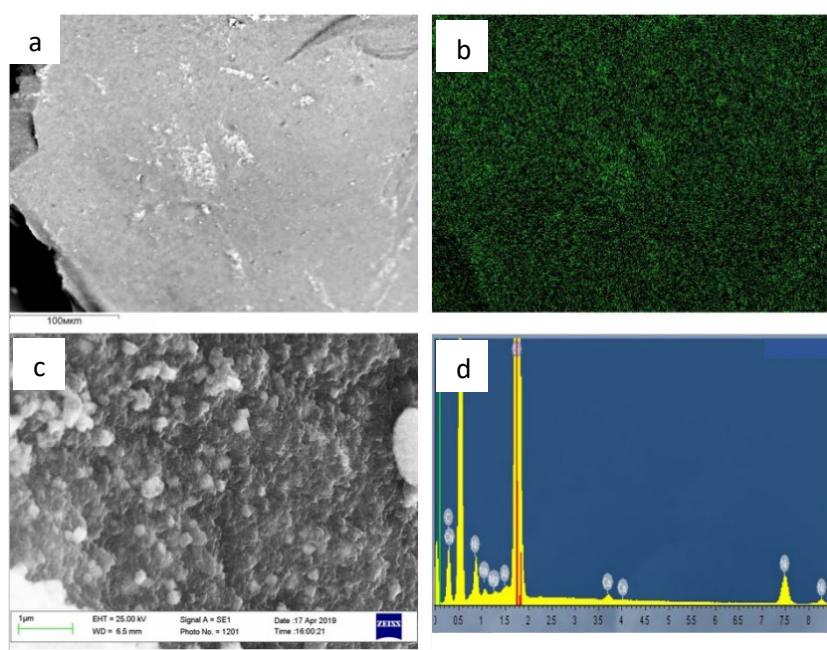


Figure S8. SEM-EDX for the Ni/SiO₂-LS catalyst: SEM image (a, c) and EDX (b, d).

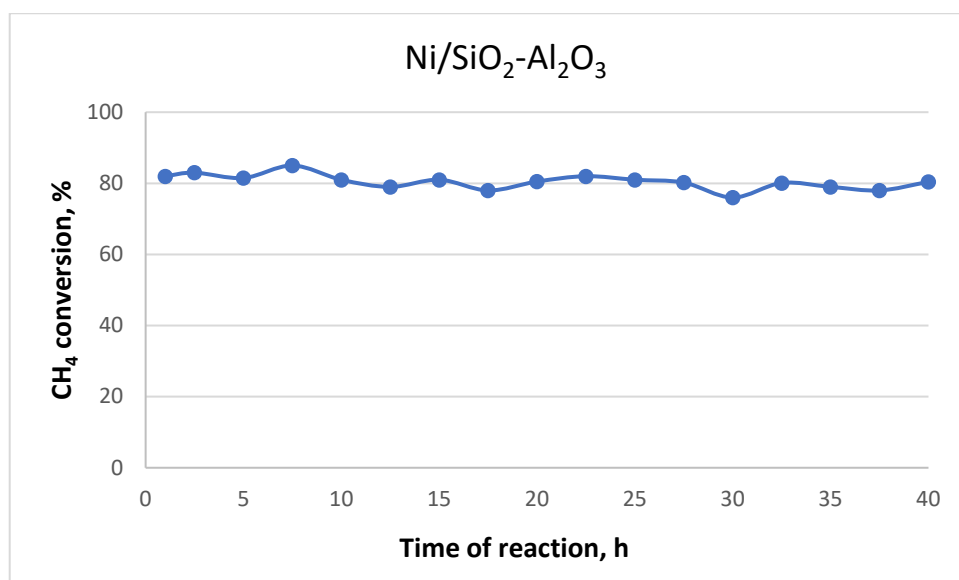


Figure S9. Investigation of the stability of the Ni/SiO₂-Al₂O₃ catalyst from the reaction time at 700 °C