Supplementary Material:

High-Pressure Catalytic Ethanol Reforming for Enhanced Hydrogen Production Using Efficient and Stable Nickel-Based Catalysts

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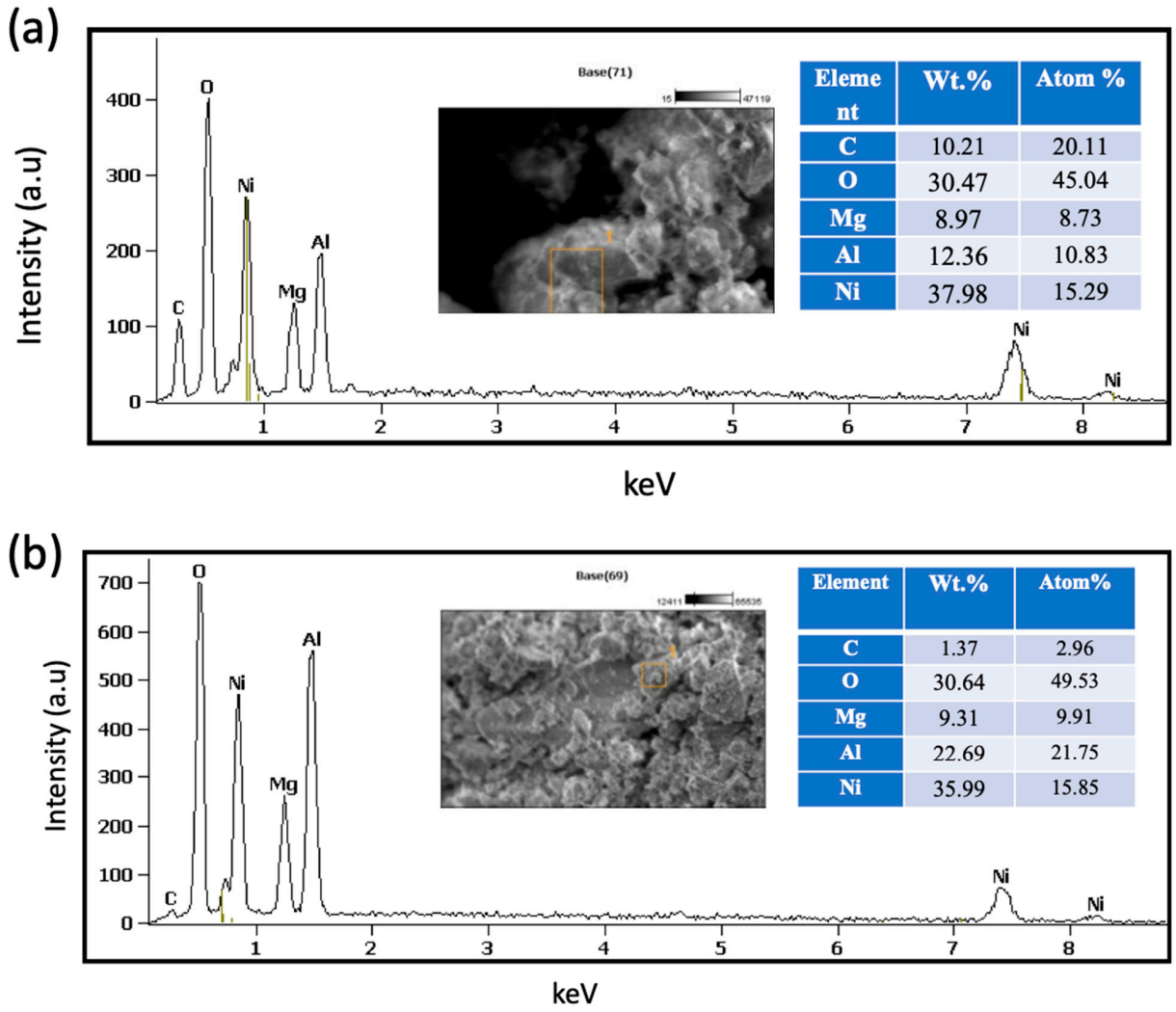


Figure S1*: EDX elemental mappings oAr-401 and NGPR-2 catalysts showing the presence of nickel, magnesium, oxygen, aluminium, and carbon.*

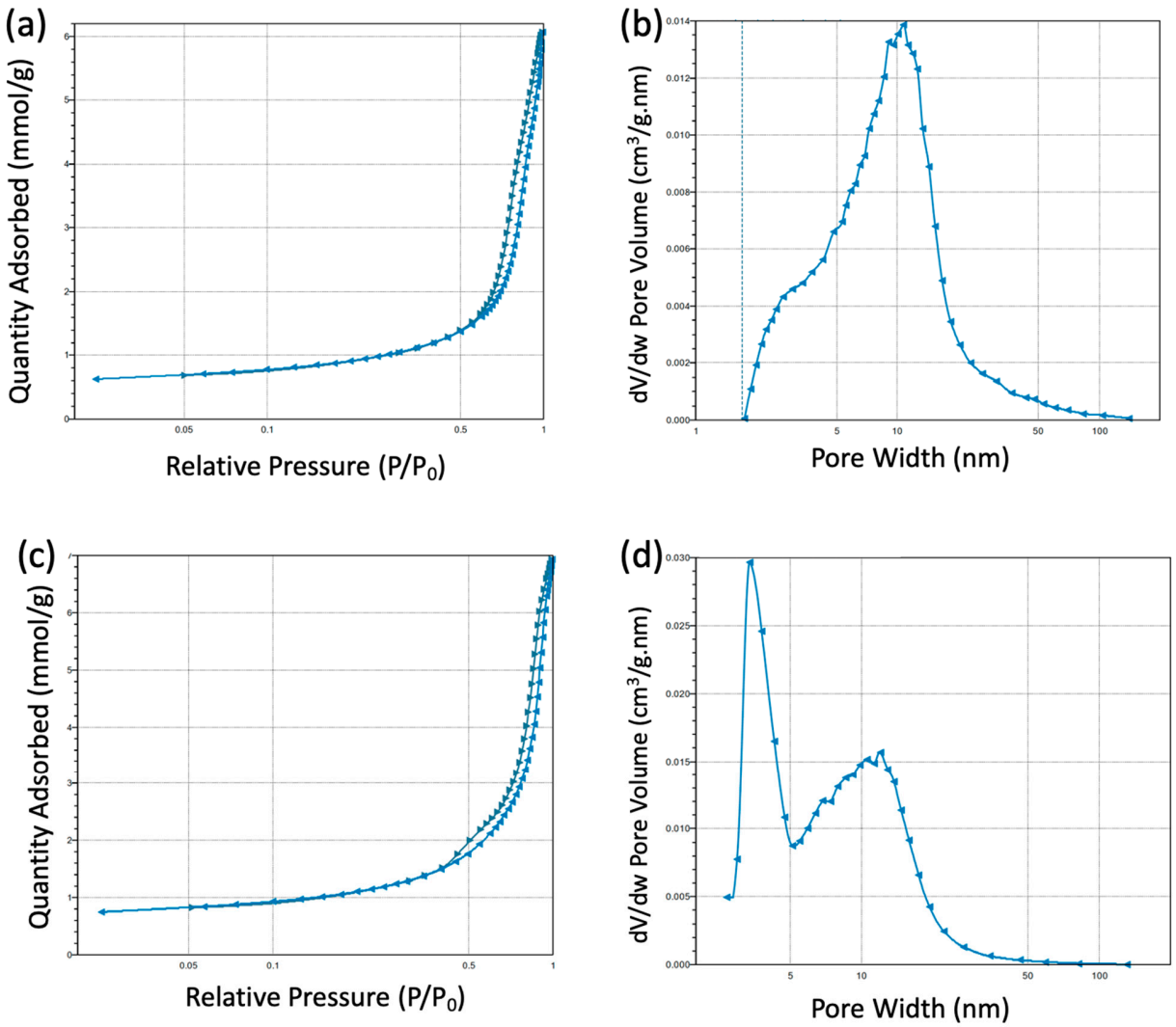


Figure S2*: The absorption/desorption isotherms and pore width distribution of Ar-401 and NGPR-2 catalysts.*

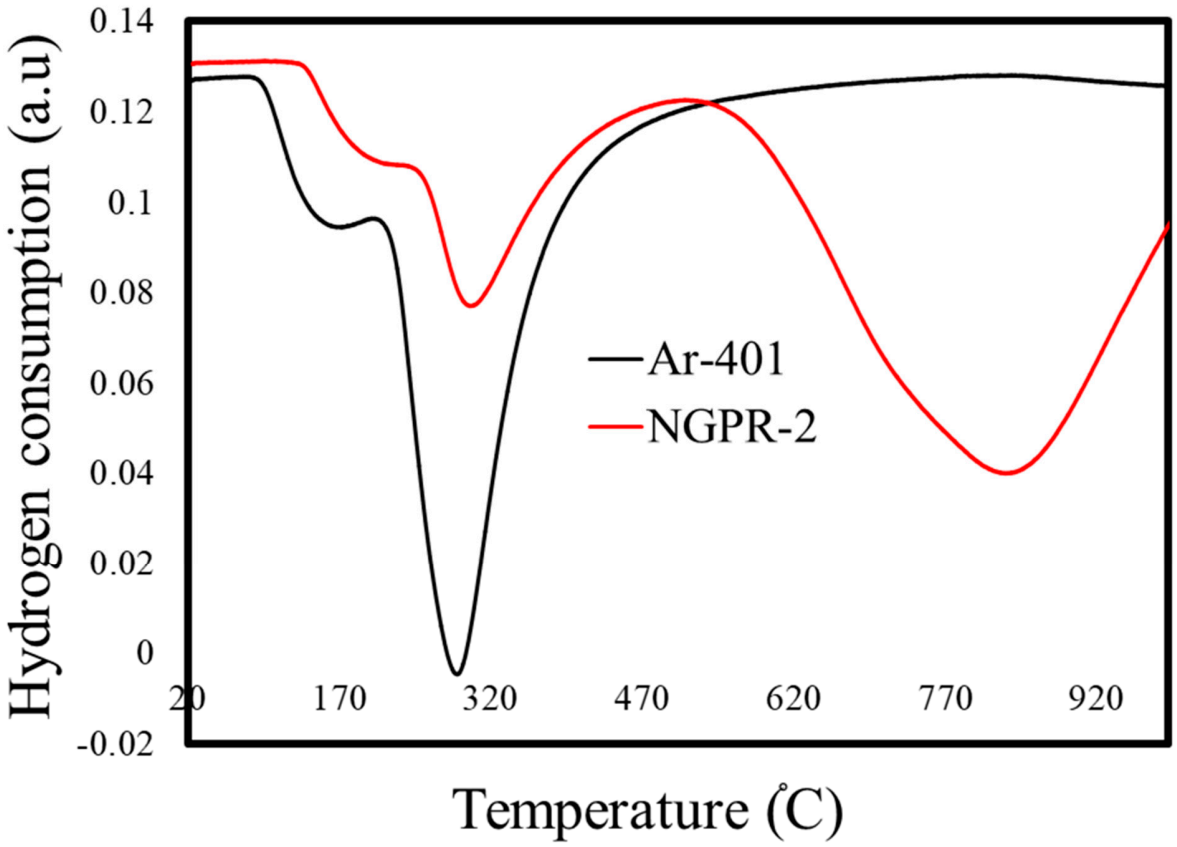


***Figure S3**: Temperature-programmed reduction measurements of Ar-401 and NGPR-2 catalysts.*

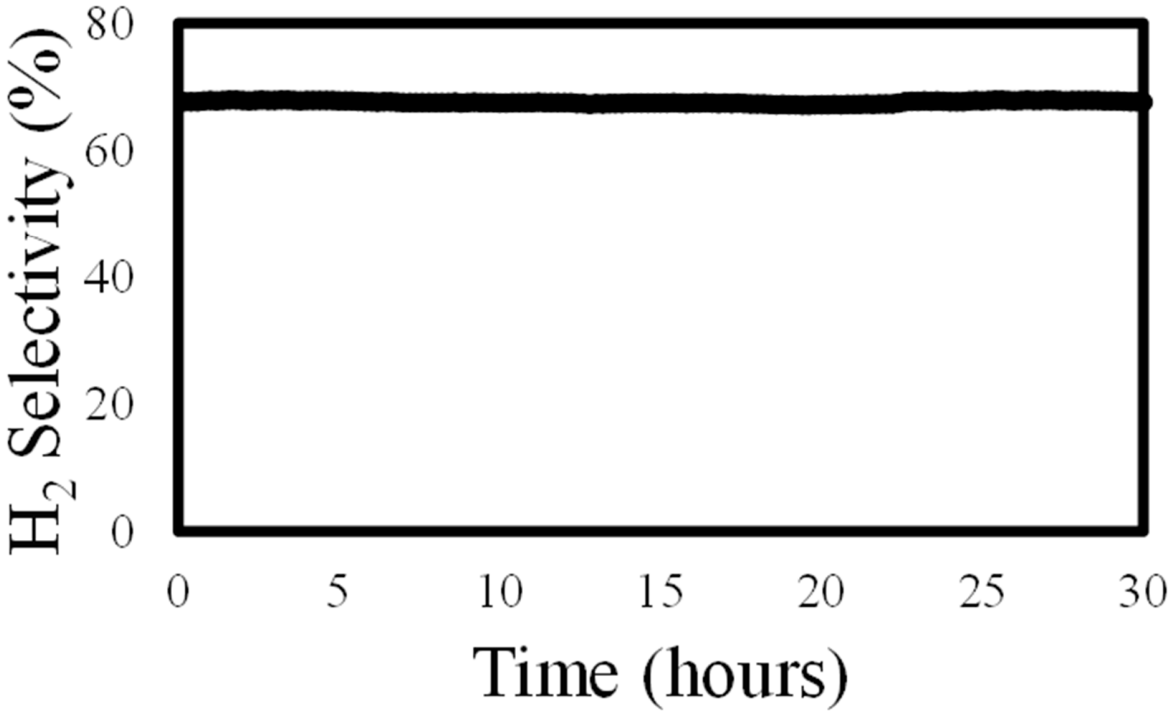


***Figure S4**:H₂ selectivity of Ar-401 catalyst tested at 27 bar for over 30 hours showing the stability of the Ar-401 catalyst. NGPR-2 catalyst showed a similar stability for H₂ selectivity and H₂ yield.*