

Supplementary materials

Dry reforming of methane on Ni/nanorod-CeO₂ catalysts prepared by one-pot hydrothermal synthesis: the effect of Ni content on structure, activity, and stability

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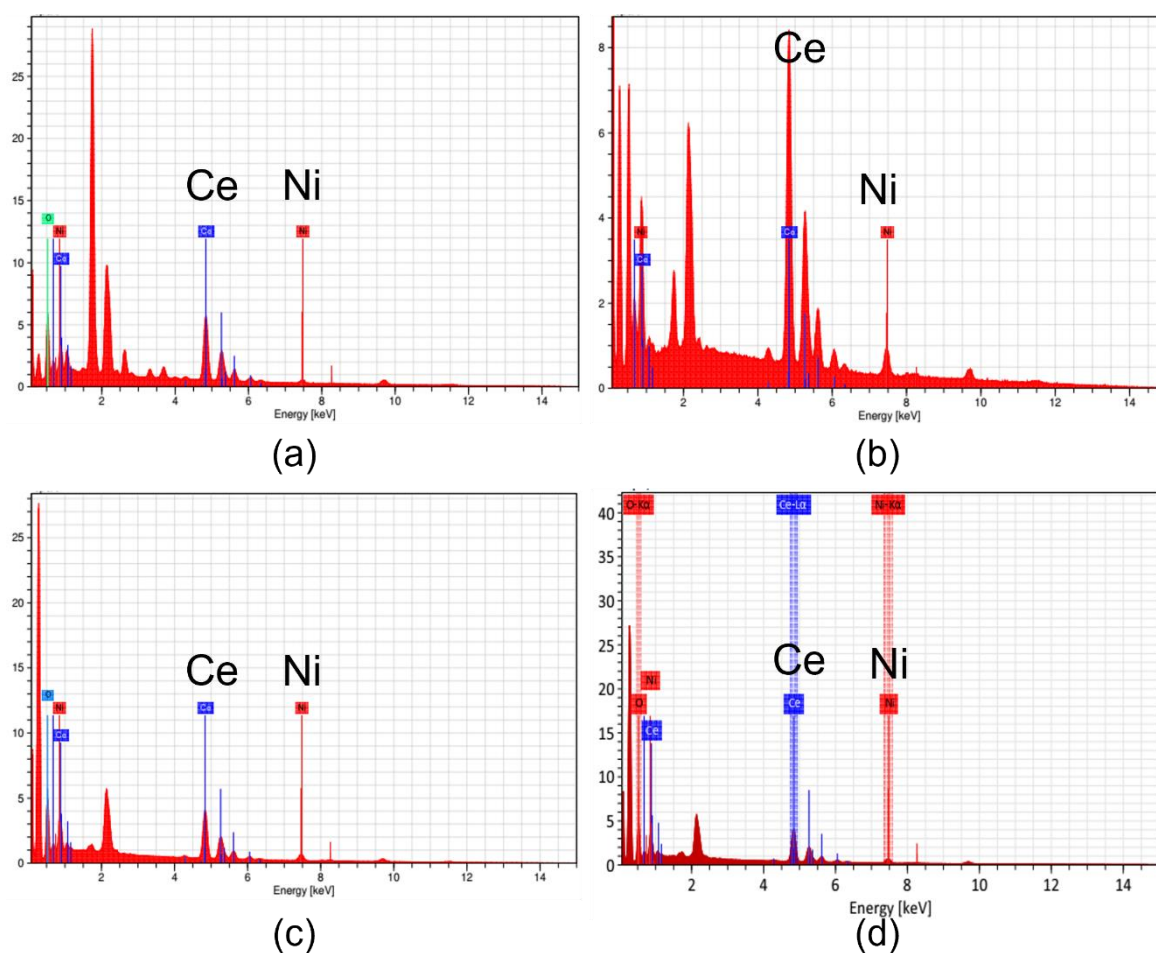


Figure S1. EDS spectra of samples: (a) 2NiCe; (b) 4NiCe; (c) 8NiCe; (d) 12NiCe. Elements: cerium (bleu label); nickel (red label).

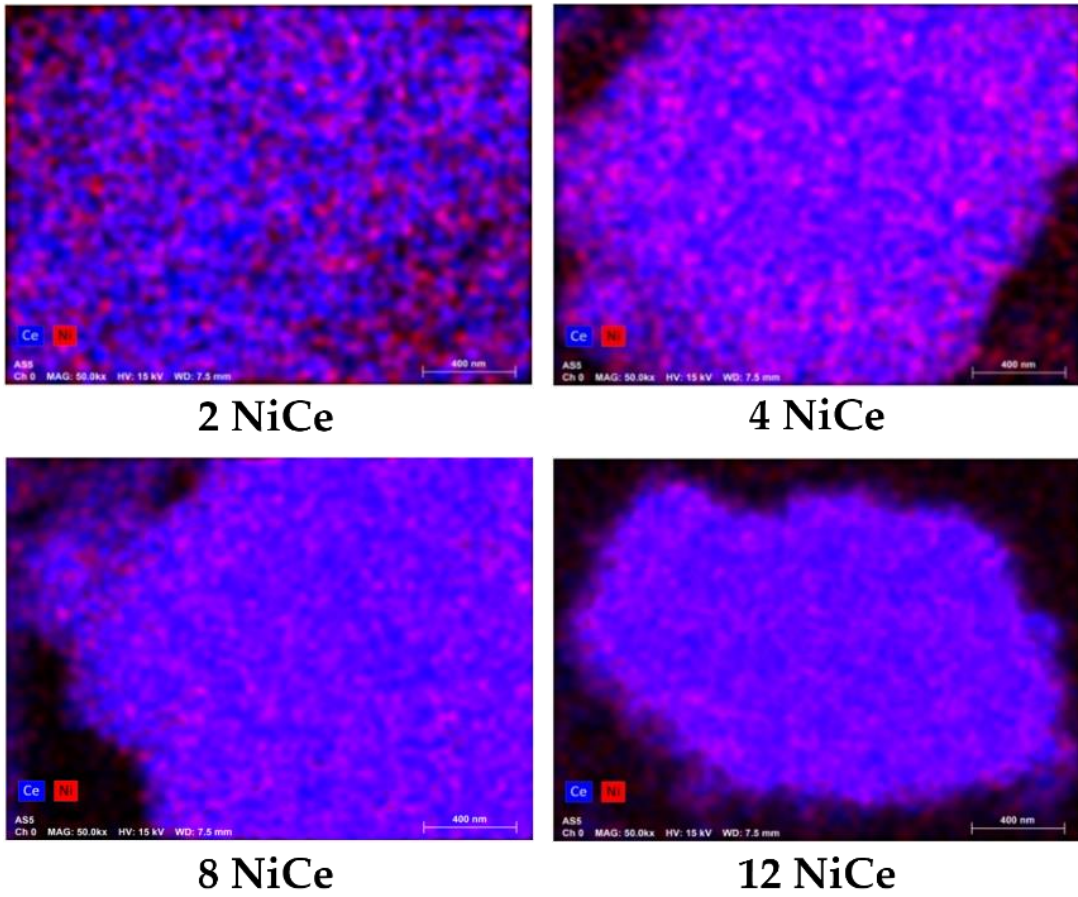


Figure S2. EDS elementary mapping of cerium (magenta) and nickel (bleu) of xNiCe samples

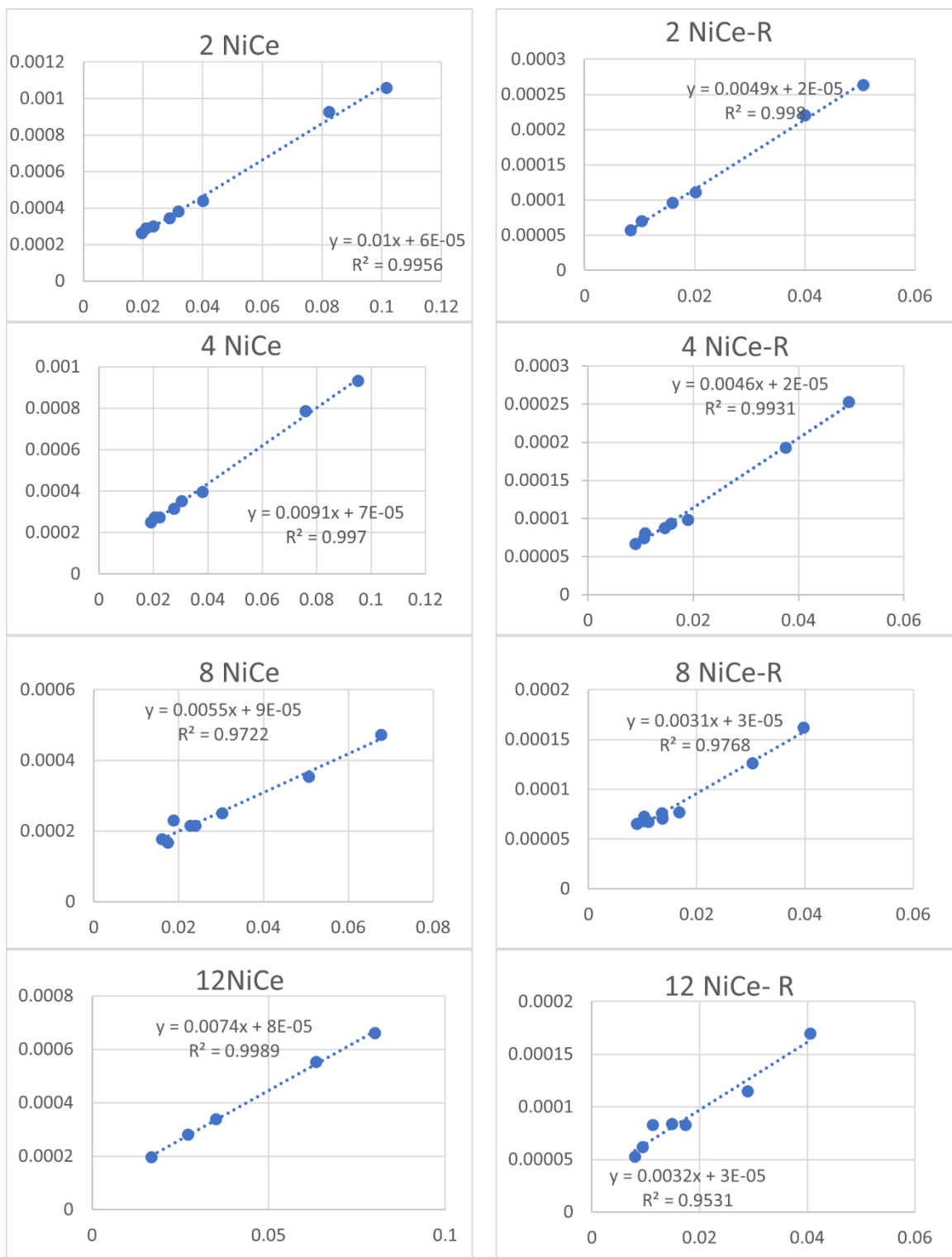


Figure S3. Size-Stain Plot of calcined and reduced xNiCe samples:
 abscissa $x = (d_{hkl})^2 \beta \cos\theta$; ordinate $y = (d_{hkl} \beta_{hkl} \cos\theta)^2$

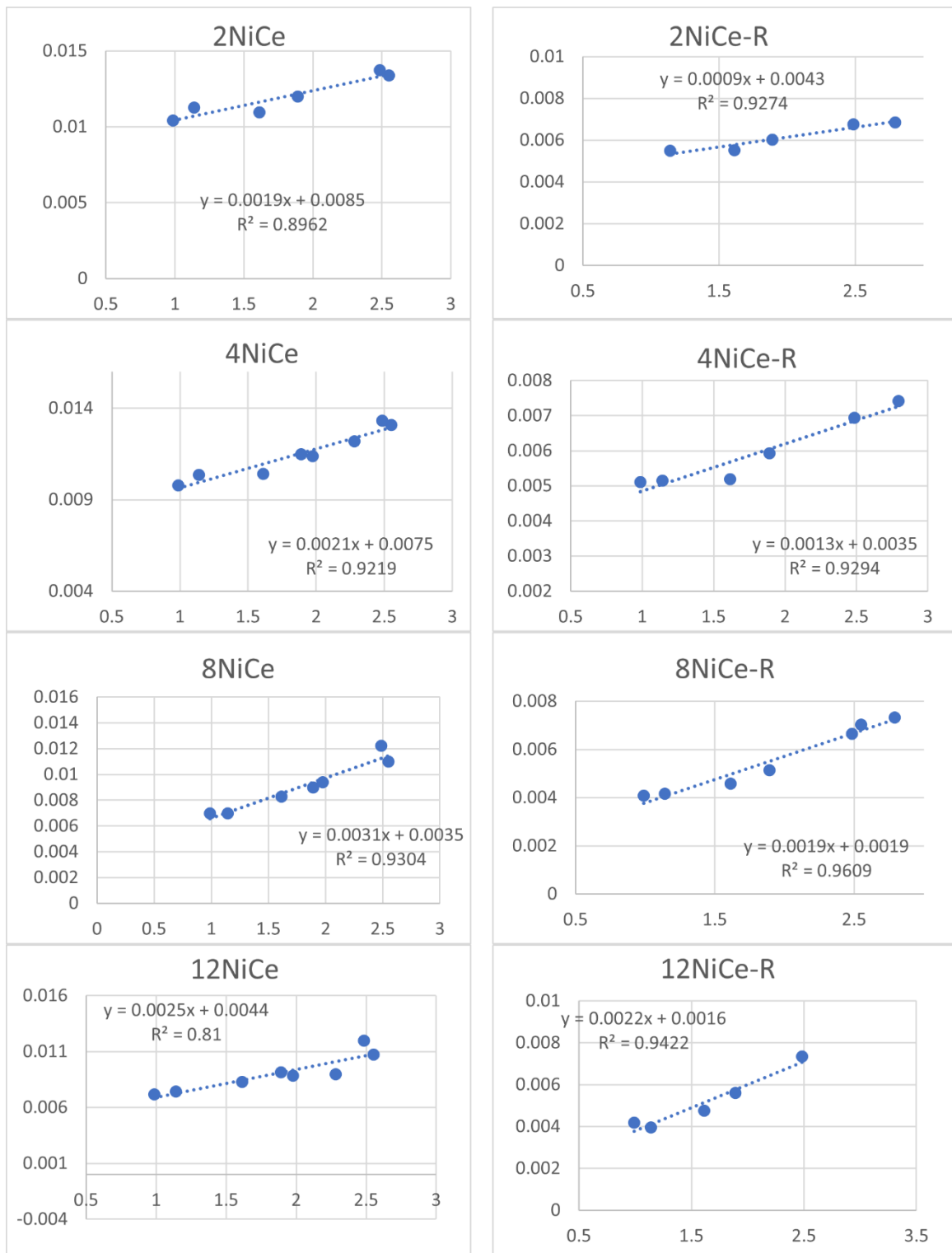


Figure S4. H-W Plot of calcined and reduced xNiCe samples:
 abscissa: $x = 4 \sin\theta$; ordinate $y = b \cos\theta$