

Electronic Supplementary Information

Depleted uranium catalysts for chlorine production

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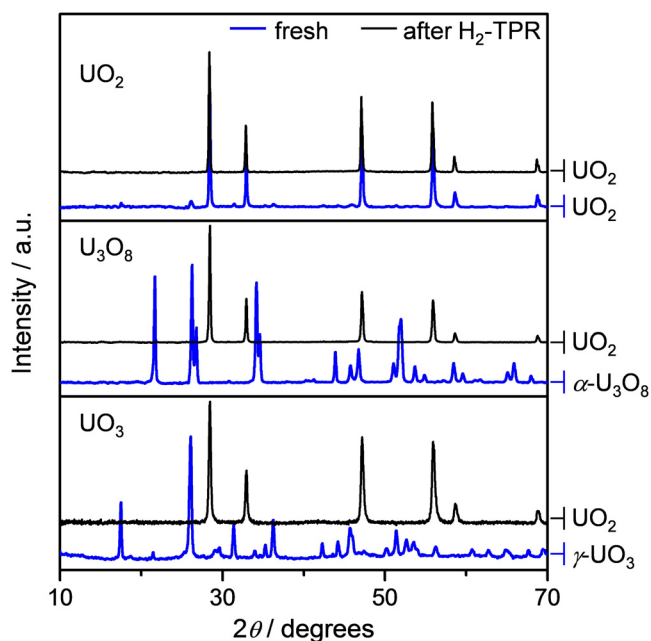


Fig. S1 XRD patterns of the uranium oxides in fresh form (blue lines) and after H₂-TPR analysis in 5 vol.% H₂/N₂ up to 1173 K (black lines). Crystalline phases in the samples are indicated on right panel.

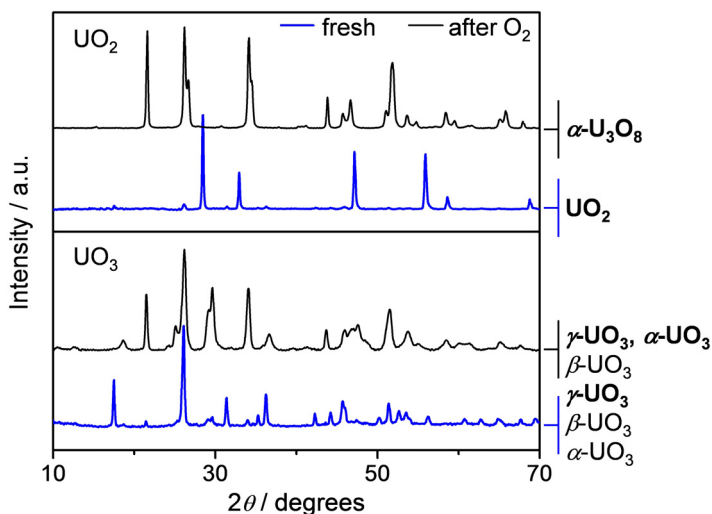


Fig. S2 XRD patterns of the uranium oxides in fresh form (blue lines) and after treatment in 20 vol.% O₂/N₂ at 773 K for 3 h (black lines). Crystalline phases in the samples are indicated on right panel, with the predominant phases in bold.

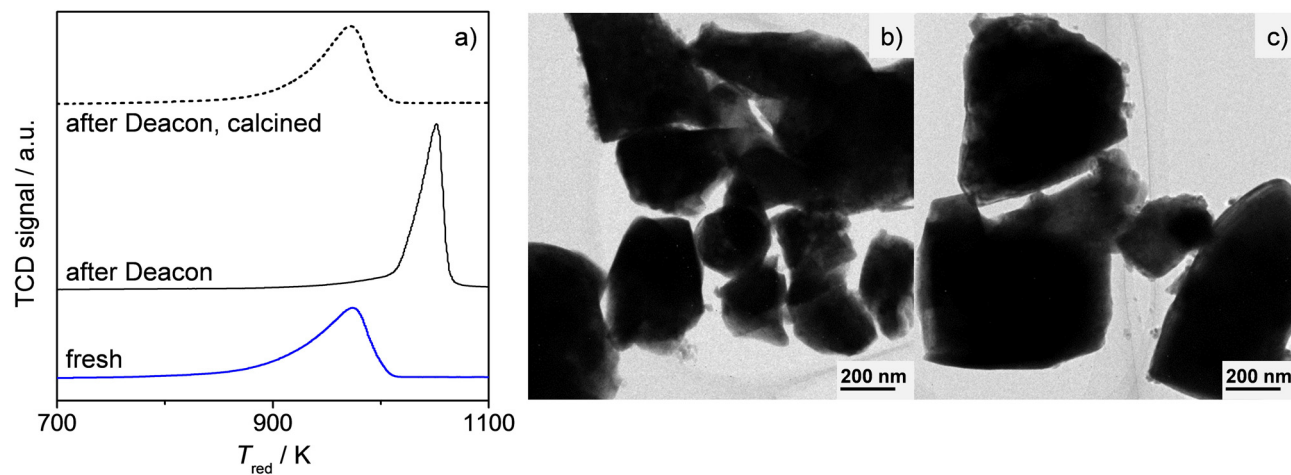


Fig. S3 (a) H_2 -TPR of α - U_3O_8 in fresh form (blue lines), after Deacon (black lines), and used α - U_3O_8 after calcination at 773 K in static air for 5 h (dotted lines). TEM of α - U_3O_8 in fresh form and after Deacon.