

Supporting Information

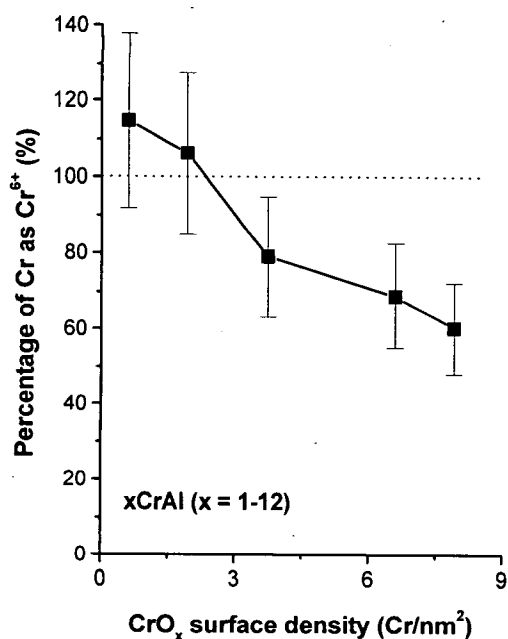


Figure 1S Percentage of Cr as Cr⁶⁺ in xCrAl catalysts as calculated from TPR data (dividing real consumed H₂ by theoretical value). It is assumed that all Cr⁶⁺ were reduced to Cr³⁺.

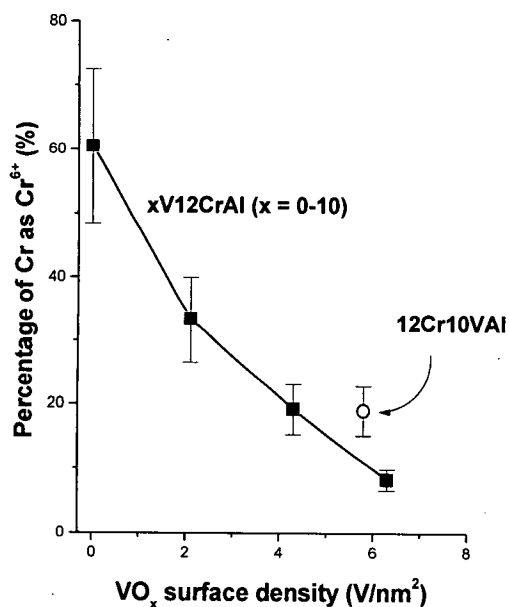


Figure 2S Percentage of Cr as Cr⁶⁺ in 12CrAl, xV12CrAl and 12Cr10VAI catalysts as calculated from TPR data (dividing real consumed H₂ by theoretical value). It is assumed that all Cr⁶⁺ were reduced to Cr³⁺.