Electronic Supplementary Information (ESI) available:

Figure S1. Raman spectra of $x$FeTS samples ($x = 0, 04, 08, 12$)

Figure S2. H$_2$-TPR profiles of (a) $x$FeTS (b) 08$y$CeTS catalysts ($x = 0, 01, 04, 08, 12; y = 0, 01, 02, 04, 06$)