

Supplementary information on:

Silicate anion intercalated cobalt-aluminium hydrotalcite (CoAl-HT-Si) a potential material for alcohol oxidation

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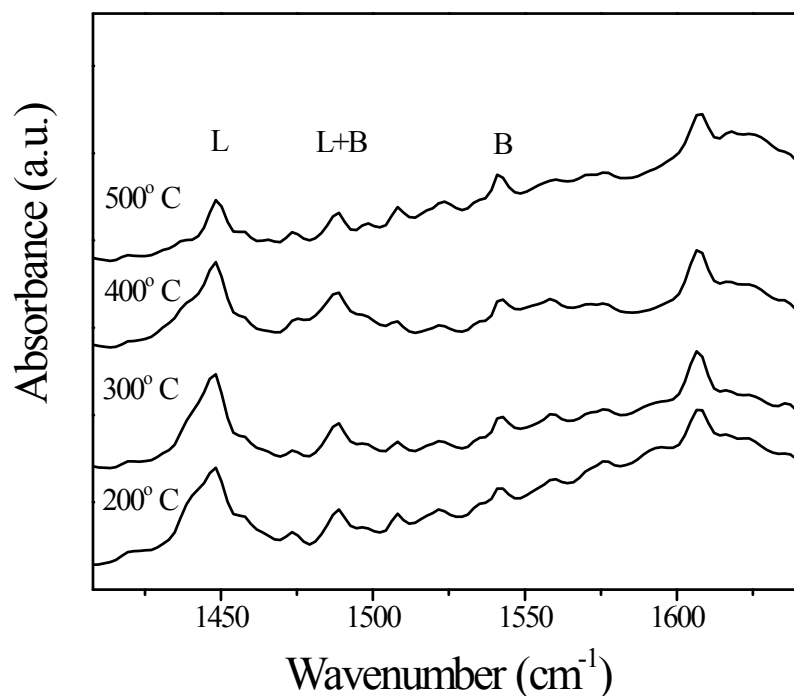


Figure.S1a. Pyridine FT-IR spectra of CA-HT at different temperature

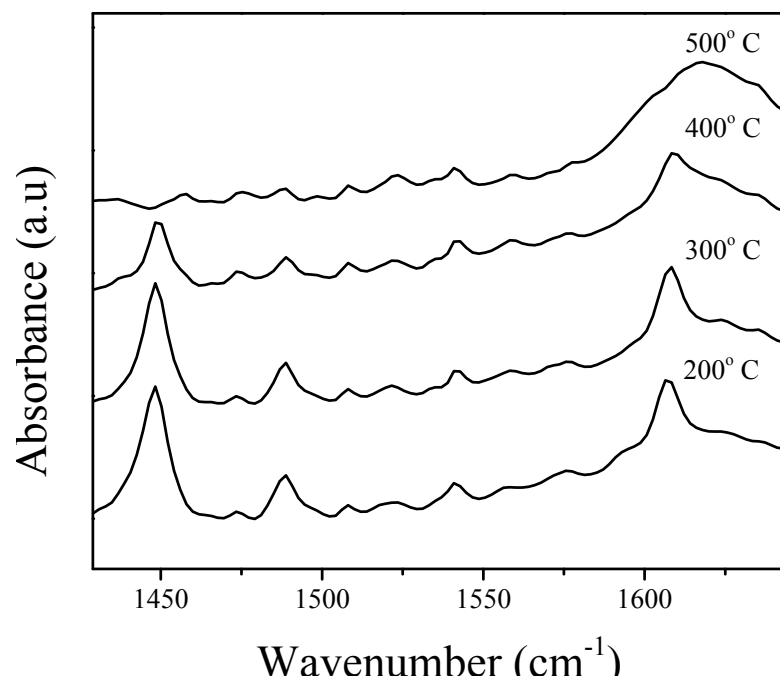


Figure.S1b Pyridine FT-IR spectra of CA-Si6 at different temperature

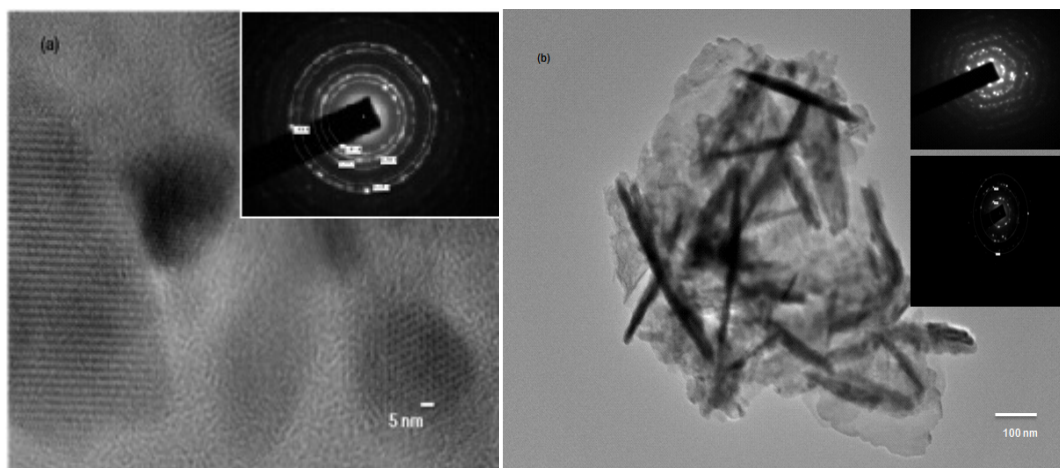


Fig. S2. TEM and ED pattern of CA-Si0 (a) and CA-Si4 (b)

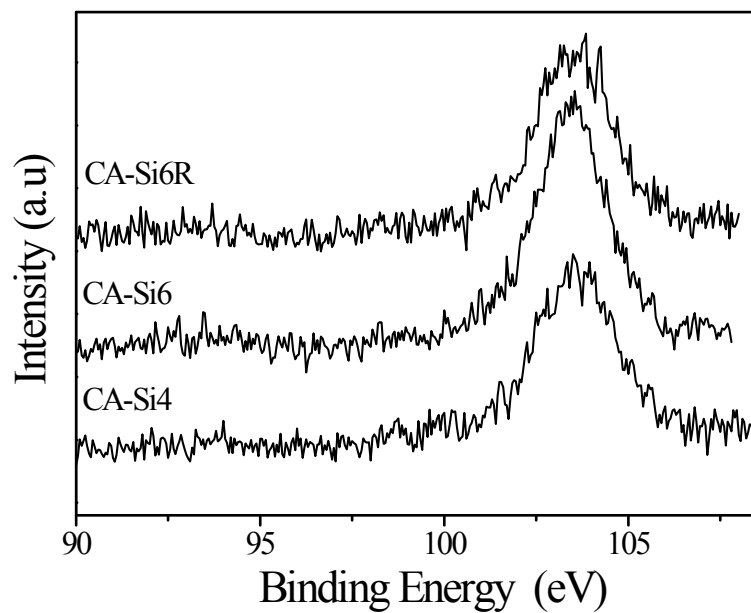


Figure S3a. XPS of Si 2p in various silicate-HT materials

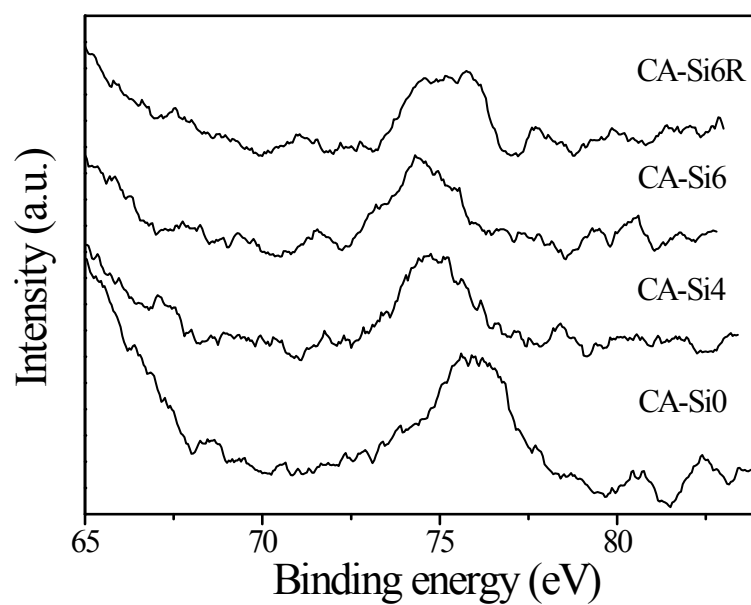


Figure S3b. XPS of Al 2p in various HT materials

Table S1. Elemental composition of CoAl-HT and silicate anion intercalated HT using XRF

Sample code	Elemntal composition (wt %)			Comparative molar ratio of Co/Si	
	Co	Al	Si	In synthetis gel	final material
CA-Si0	39.3	11	---	---	---
CA-Si4	28.9	9.5	14.7	0.7	0.93
CA-Si6	24.9	9.4	19.2	0.5	0.66