Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics

Supplementary information

Promotional effect of Sn-beta zeolite on Platinum for the selective hydrogenation of α,β unsaturated aldehydes

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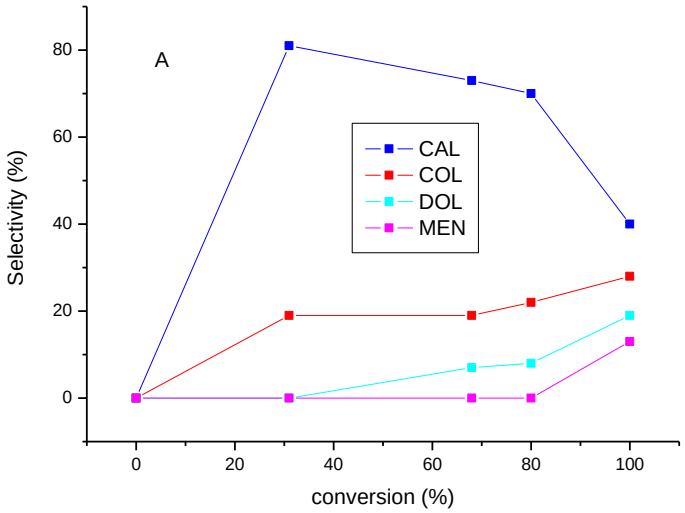
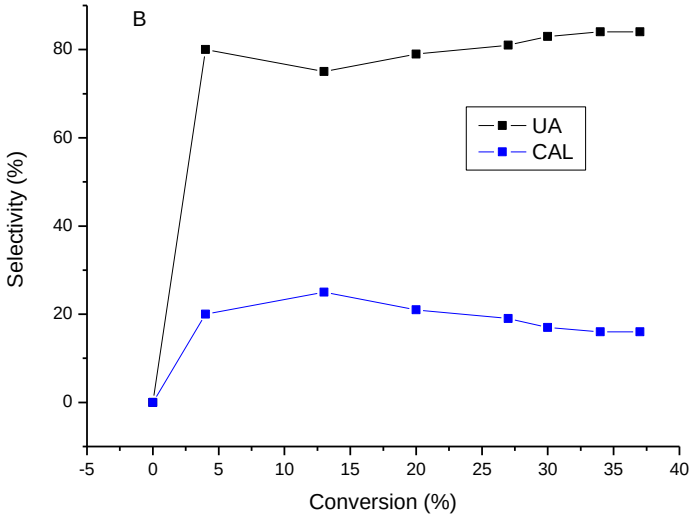
Table S1. Textural properties and composition of supports and catalysts prepared

Catalyst	Pt (wt %)	Sn (wt %)	BET surface area [m^2 g^{-1}]	Average pore diameter [Å]	Total pore volume (cm^3/g)
Beta	-	-	472	44.31	0.31
Pt/Beta	1.5	-	455	41.01	0.30
SnPt/Beta	1.5	1.5	455	39.32	0.28
Pt/Sn-Beta	1.5	1.5	476	43.05	0.33





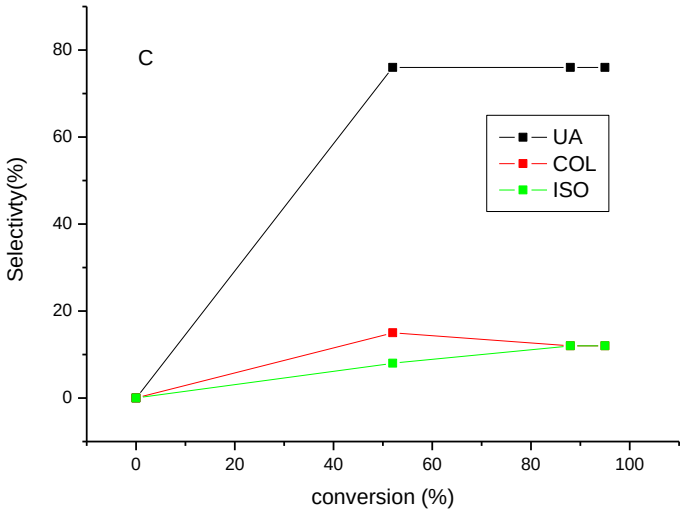


Fig.S1 Selectivity to products versus citral conversion on: A) Pt/beta, B) PtSn/beta and C) Pt/Sn-beta samples.

UA=unsaturated alcohol (geraniol and nerol), CAL (citronellal), COL (citronellol), ISO (isopulegol), DOL (3,7 dimethyloctanol), MEN (menthol)