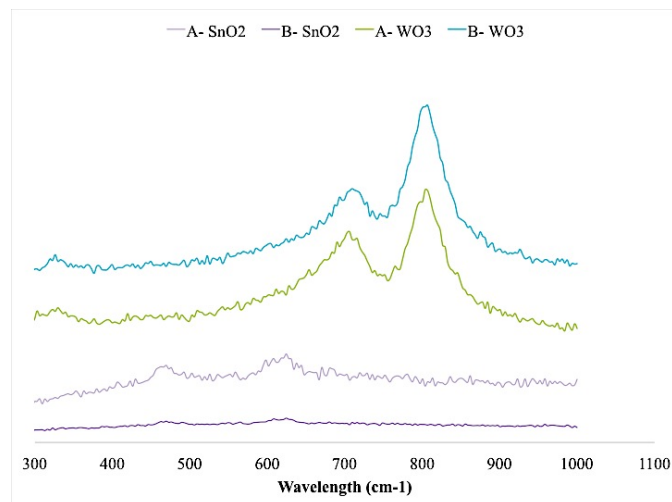


ESI †

S1 – Raman spectroscopy of WO₃ and SnO₂ sensors before and after exposure to test gases. 'B' denotes before exposure and 'A' denotes after exposure.



S2 - Elemental analysis of metal oxide sensors performed with EDX. Note that zeolite overlays mask the presence of both tungsten and tin. 'Y' refers to H-Y zeolite, 'ZSM' refers to H-ZSM-5 zeolite, 'over' refers to overlay and 'admix' refers to admixture.

Sensor	W	Atomic Percentage			
		Sn	O	Si	Al
SnO ₂		22.22	77.78		
WO ₃	25.09		74.91		
WO ₃ + Y over	7.58		58.48	25.62	8.32
WO ₃ + ZSM over	0.69		56.60	41.91	0.80
SnO ₂ + Y admix		30.54	61.65	5.80	2.00
WO ₃ + ZSM admix	16.30		64.94	18.23	0.52