

Effect of composition zinc:cobalt in ZnCo₂O₄ spinel on highly selective liquefied petroleum gas sensor at low and high temperature conditions

**Electronic Supplementary Information
(ESI)**

Table S1. BET surface area of prepared catalysts.

Catalysts	Specific surface area (m ² /g)
ZC-1	75
ZC-2	79
ZC-3	85
ZC-4	90
ZC-5	92

Table S2. Effect of calcination temperature on catalytic activity.

Catalysts	Calcination Temperature (°C)	LPG Sensing response (KΩ)
ZC-4-a	300	42
ZC-4-b	400	69
ZC-4-c	500	77
ZC-4-d	600	79

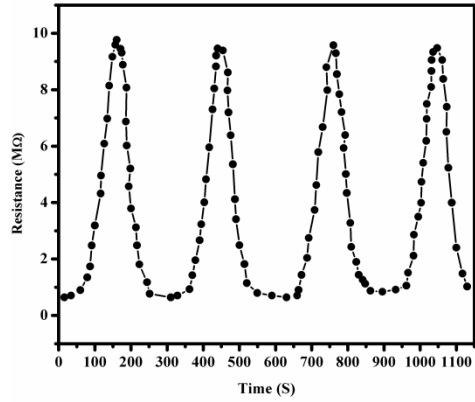


Fig. S1. Repetitive response of ZC-4 nano material to 40 ppm LPG at operating temperature of 30 °C.

ESI: S-3

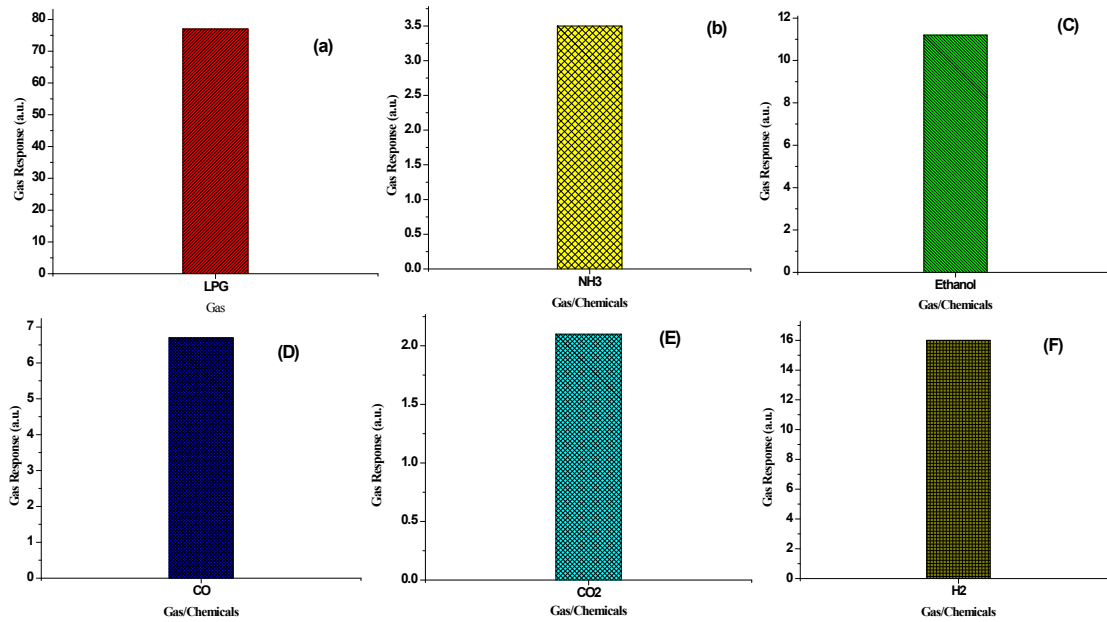


Fig. S2. Bar chart showing the gas response of ZC-4 nano material for different gases.