Electronic Supplementary Material (ESI) for RSC Advances.

Enhancement of CO gas sensing performance by Mn-doped porous $ZnSnO_3$ microspheres

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Supporting Information

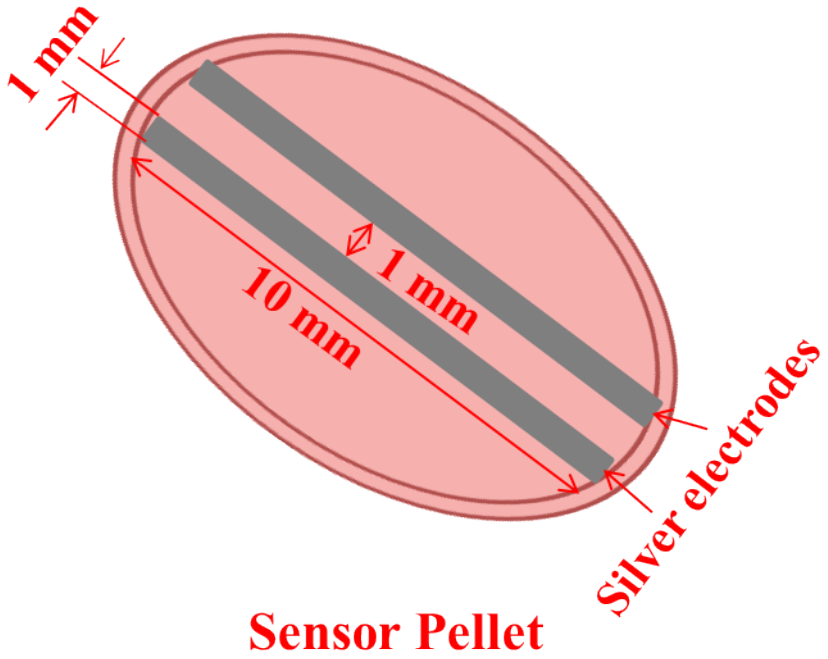


Fig. *S*1 Schematic illustration of the gas sensor fabricated using pellet consisting of Mn-doped $ZnSnO_3$.

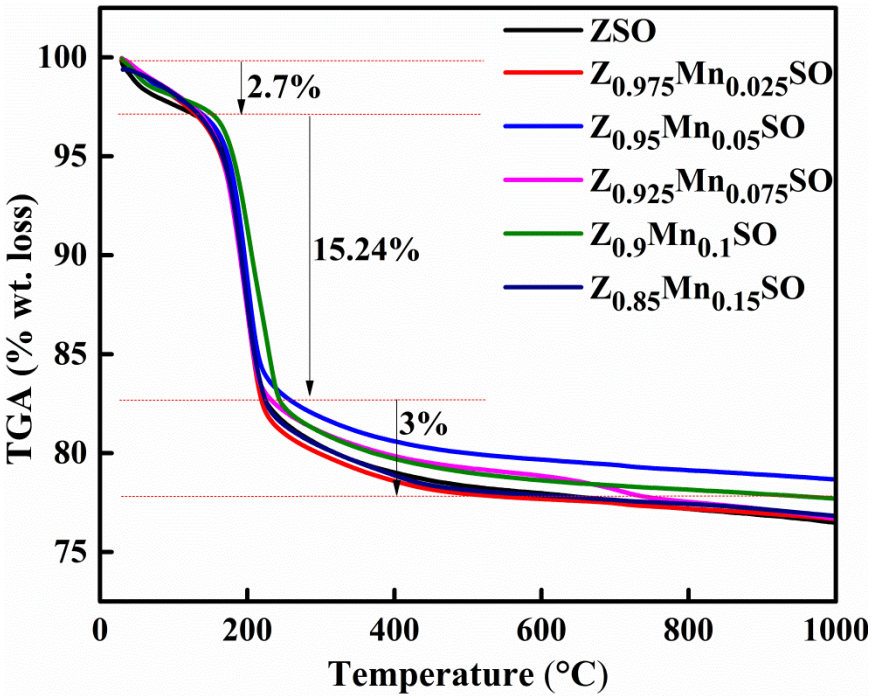
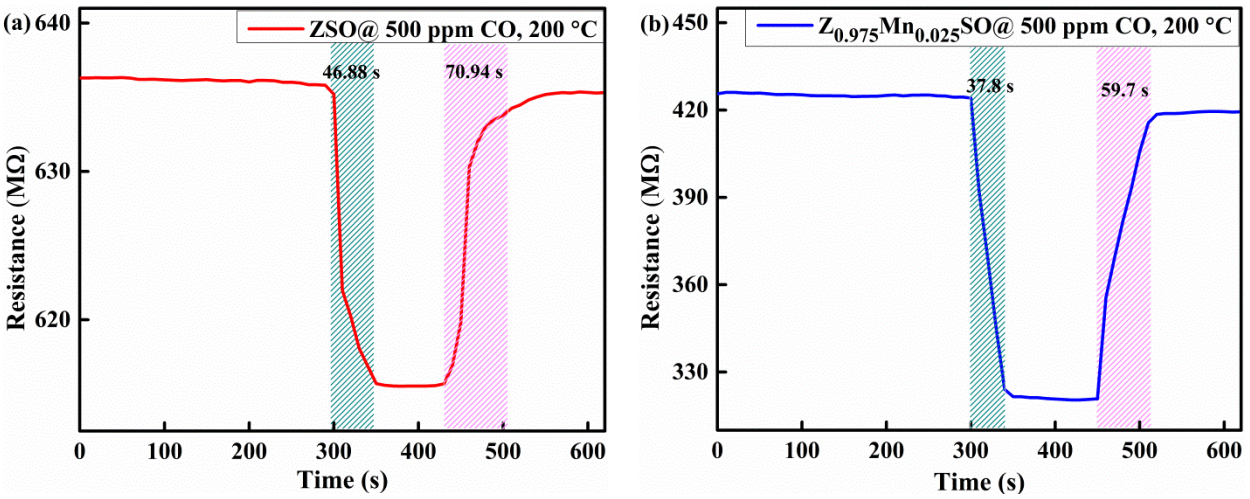


Fig. *S*2 TGA plot of the as-prepared samples of the $Zn_{1-x}Mn_xSnO_3$, x = 0, 0.025, 0.05, 0.075, 0.1, 0.15.



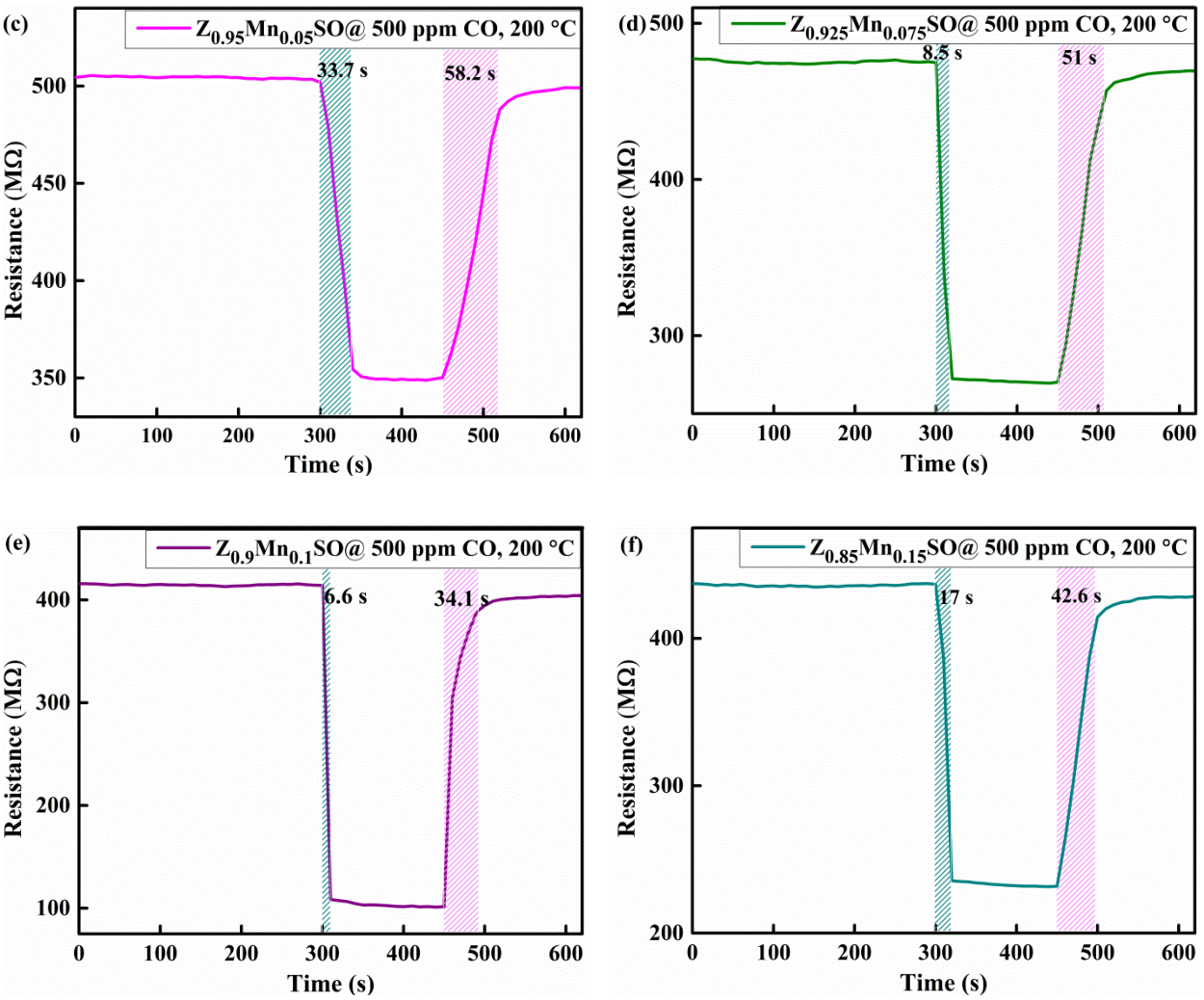


Fig. *S*3 Response and recovery time curves of the $Zn_{1-x}Mn_xSnO_3$ upon exposure to 500 ppm CO at the operating temperature of 200 ºC, x = (*a*) 0, (*b*) 0.025, (*c*) 0.05, (*d*) 0.075, (*e*) 0.1, and (*f*) 0.15.