

## Supporting Information

### Sr- and Ni-doping in ZnO nanorods synthesized by simple wet chemical method as excellent materials for CO and CO<sub>2</sub> gas sensing

Parasharam M. Shirage<sup>1,†</sup>, Amit Kumar Rana<sup>1</sup>, Yogendra Kumar<sup>1</sup>, Somaditya Sen<sup>1</sup>, S. G. Leonardi<sup>2</sup>  
and G. Neri<sup>2,\*</sup>

<sup>1</sup>Department of Metallurgical Engineering and Materials Science and Physics, Indian Institute of Technology Indore, Simrol Campus, Khandwa Road, Indore 453552, India

<sup>2</sup>Department of Engineering, University of Messina, Messina 98166, Italy.

<sup>†</sup>Author for correspondence (E-mail- pmshirage@iiti.ac.in, paras.shirage@gmail.com)

\* Email: gneri@unime.it

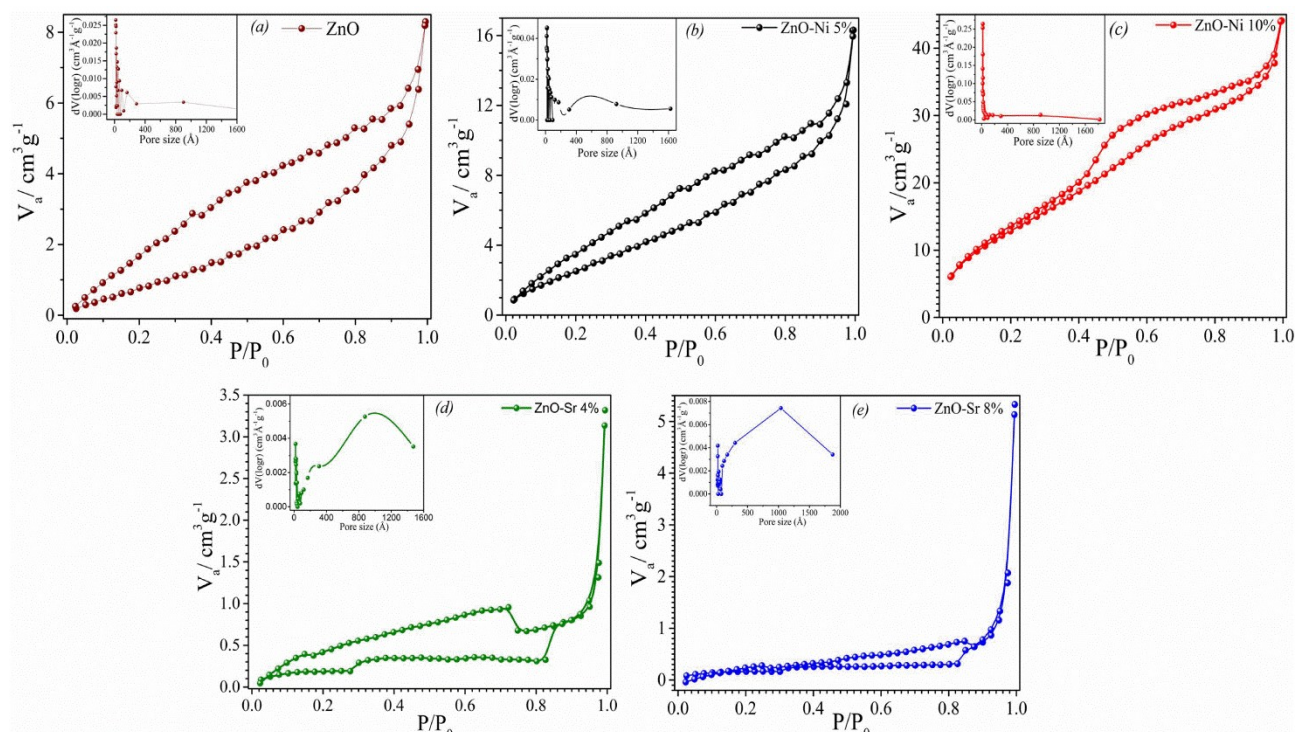


Figure S1. N<sub>2</sub> adsorption/desorption isotherms of pure and doped ZnO (inset show the corresponding pore size distribution curve).

Sample	Surface Area (m <sup>2</sup> /g)
ZnO	4.359
ZnO-Ni5%	12.029
ZnO-Ni10%	51.844
ZnO-Sr4%	0.729
ZnO-Sr8%	0.524

Table S1. Surface area values for the synthesized samples.

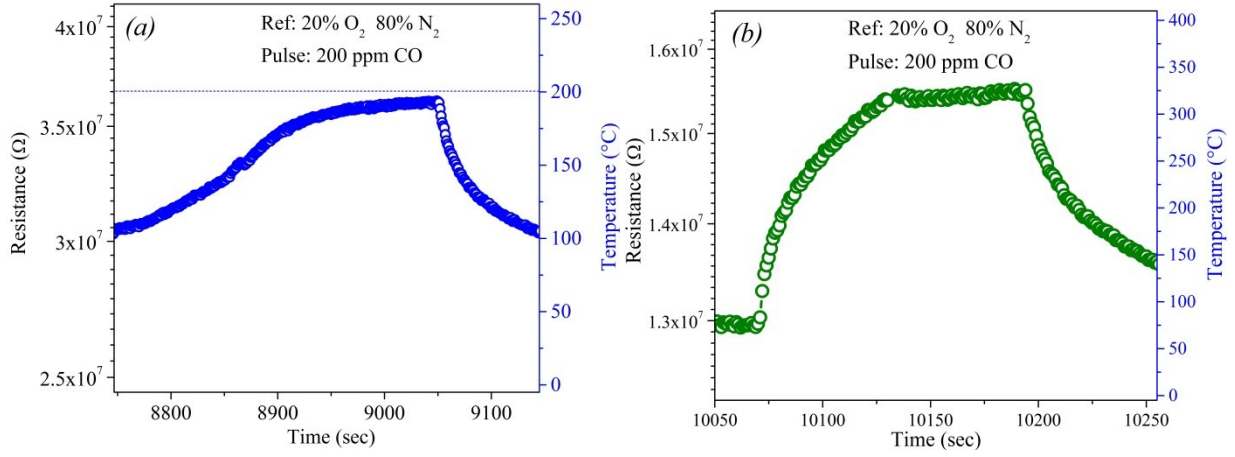


Figure S2. Dynamic responses of sensors (a) ZO and (b) Sr8ZO, to 200 ppm of CO at 200 °C.