

Supplementary Information

The use of peanut shells as a bio-template to prepare K-doped In_2O_3
porous sheets for chlorine detection

Lin Zhu ^{a,*} Heyong Han ^b

^{a,*} School of Materials Science and Engineering, Taiyuan University of Science and Technology, Taiyuan, 030024, China. E-mail:

tyustcl@126.com

^b School of Mechanical Engineering, Taiyuan University of Science and Technology, Taiyuan, 030024, China

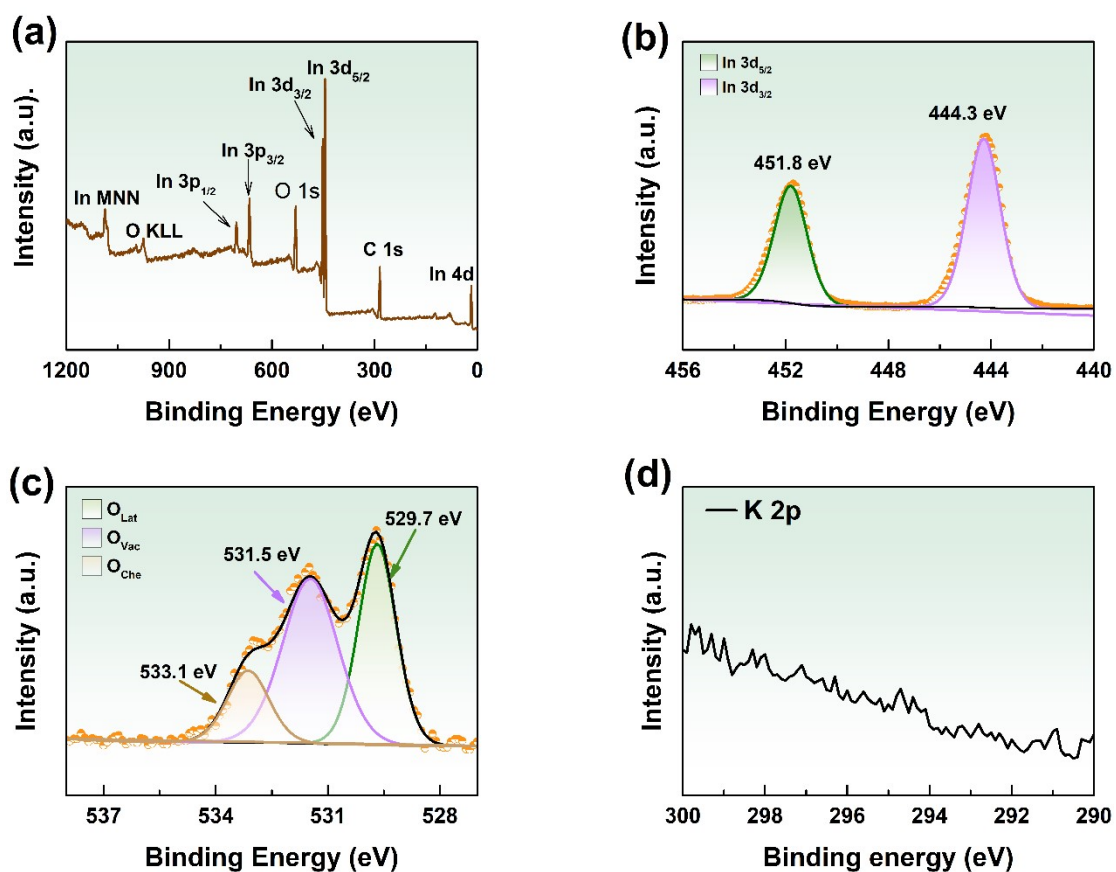


Fig. S1 XPS survey spectra of the pure In_2O_3 : (a) fully scanned spectra, (b) In 3d, (c) O 1s, (d) K 2p.

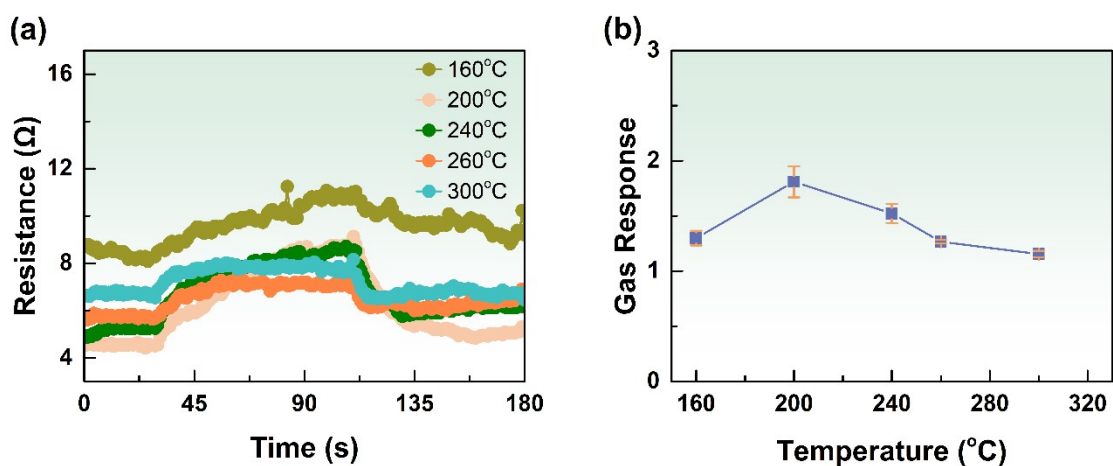


Fig. S2 (a) Dynamic resistance curves and (b) gas response to 0.5 ppm Cl_2 at various working temperature of the pure In_2O_3 sensor.