

**An electrochemical H<sub>2</sub>S sensor based on screen printing Fe@Pt/C/PTFE  
sensing electrode**

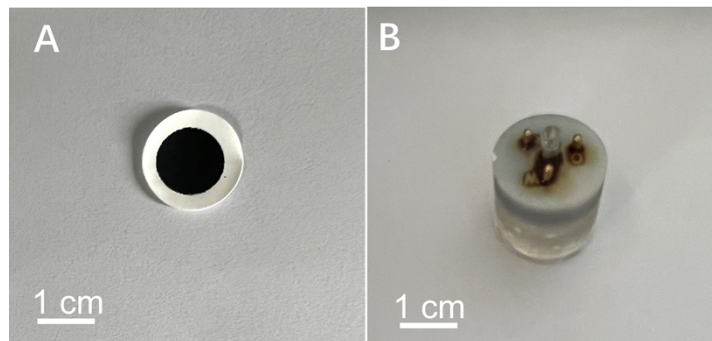
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**Fig. S1.** (A) Optical photographs of the membrane electrodes (B) The optical photograph of the H<sub>2</sub>S gas sensor

**Table S1** Comparison of sensing performances of the present work and that of devices reported in literature.

Material	Temperature (°C)	Response/recovery times (s)	Low Detection Limit (ppm)	Reference
CuO/SnO <sub>2</sub>	200 °C	420/60	5	[1]
NiO-WO <sub>3</sub>	25 °C	270/7200 (10 ppm)	0.5	[2]
Au/Cr	90 °C	300/- (100 ppm)	10	[3]
TiNT film	300 °C	22/6 (50 ppm)	1	[4]
Ag- CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub>	250 °C	5/850 (10ppm)	0.2	[5]
Fe@Pt	25 °C	233/480 (20 ppm)	0.33	This work

## References

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