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Correction: Comparative study on formic acid sensing properties of flame-made Zn_2SnO_4 nanoparticles and its parent metal oxides

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Correction for 'Comparative study on formic acid sensing properties of flame-made Zn_2SnO_4 nanoparticles and its parent metal oxides' by Matawee Punginsang et al., *Phys. Chem. Chem. Phys.*, 2023, 25, 15407–15421, <https://doi.org/10.1039/D3CP00845B>.

Fig. 8–10 in the published version of the manuscript contained errors. Fig. 8(b) is partly overridden by another image, which is the correct image of Fig. 9. The image of Fig. 9 in the published version should have been Fig. 10. Fig. 10 in the published version of the manuscript is a copy of Fig. 11.

The correct images for Fig. 8–10 and the corresponding captions are given here.

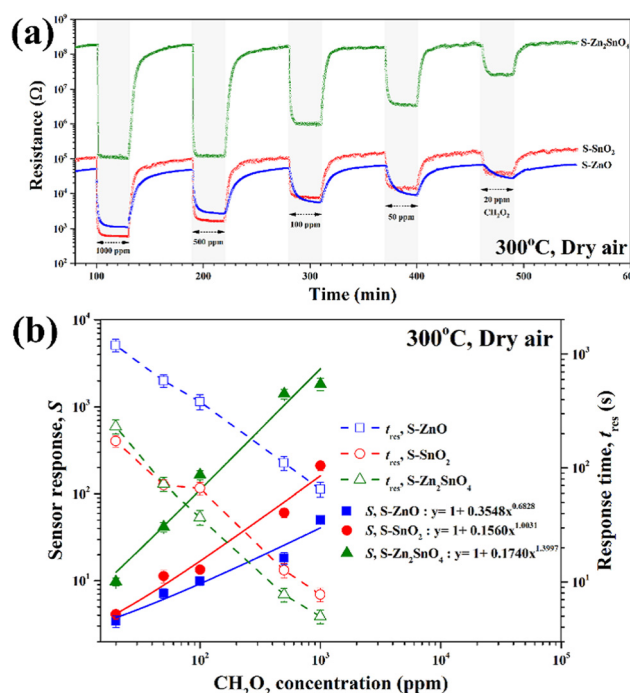


Fig. 8 (a) Typical changes in resistance, and (b) sensor response (S) and response time (t_{res}) of S- Zn_2SnO_4 , S- SnO_2 and S- ZnO with different CH_2O_2 concentrations at 300 °C.

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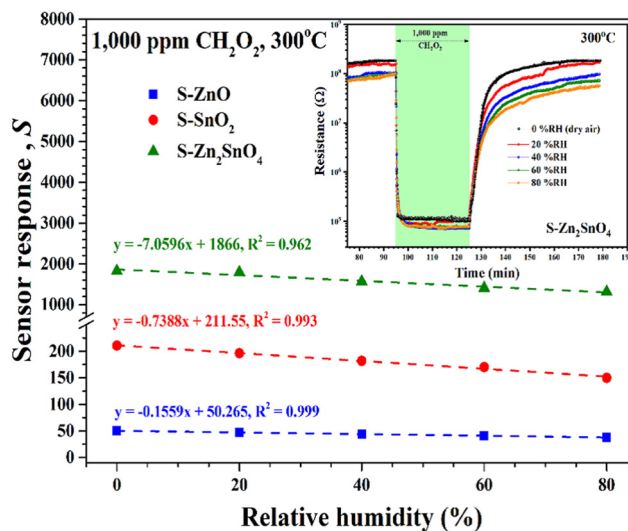


Fig. 9 Sensor response of S-ZnO, S-SnO₂, and S-Zn₂SnO₄ sensors towards 1000 ppm CH₂O₂ as a function of relative humidity (RH) at 0–80%. Inset: Corresponding change in resistance of S-Zn₂SnO₄ sensor.

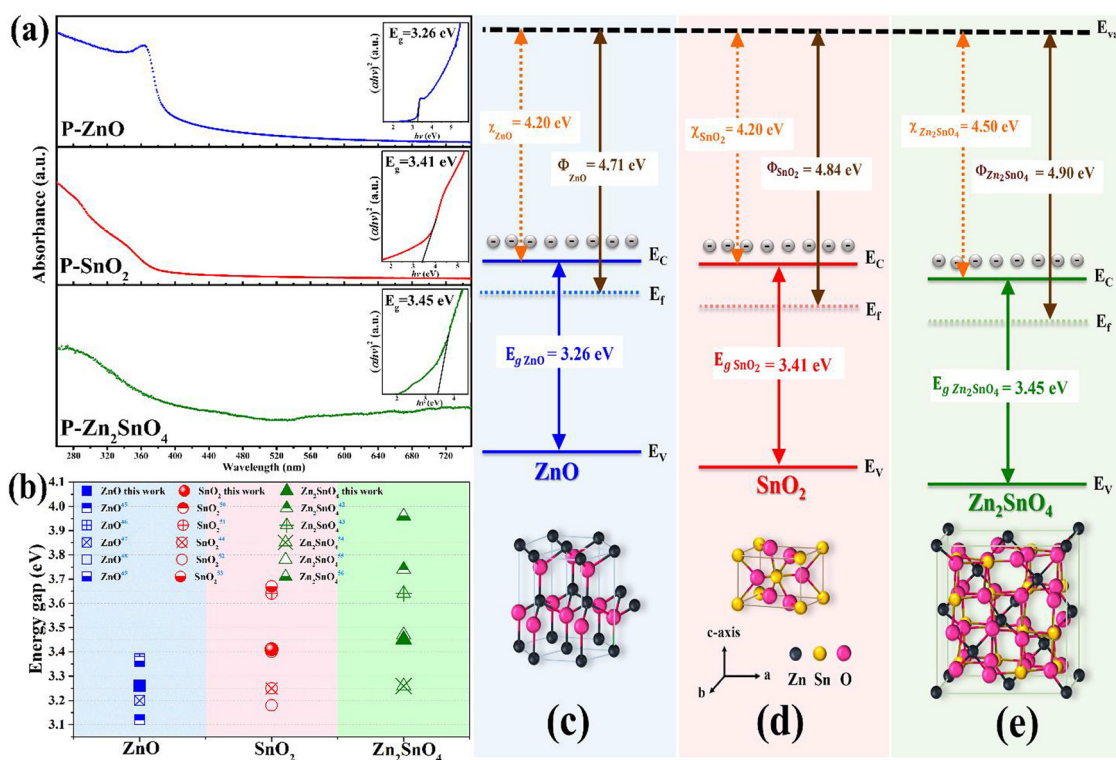


Fig. 10 (a) UV-visible absorption spectra of flame-made SnO₂, ZnO, and Zn₂SnO₄ nanoparticles, inset: the corresponding plot of $(\alpha h\nu)^2$ vs. photon energy, (b) the calculated energy gap (E_g) in comparison with other reports and the energy band diagrams of (c) ZnO, (d) SnO₂, and (e) Zn₂SnO₄ creation at thermal equilibrium together with their structural models.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.