

Supporting Information

A 2-chloroethyl ethyl sulfide (2-CEES) gas sensor based on WO₃/graphite nanocomposite with high selectivity and fast response-recovery properties

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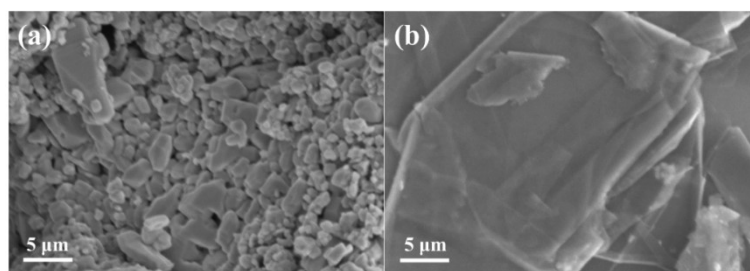


Figure S1. The SEM images of (a) WO₃ nanoparticles and (b) graphite.

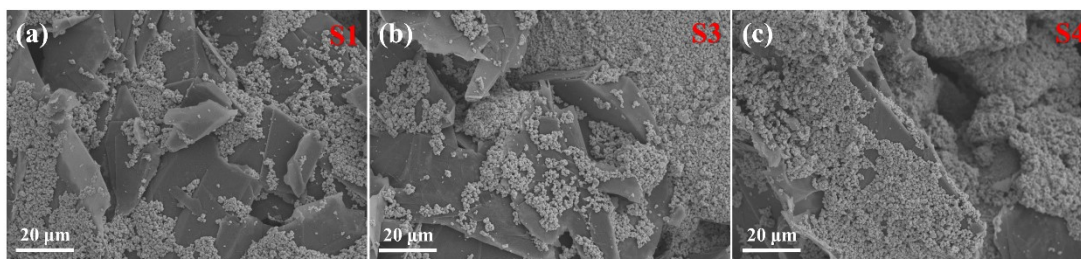


Figure S2. The SEM images of (a) S1, (b) S3 and (c) S4.

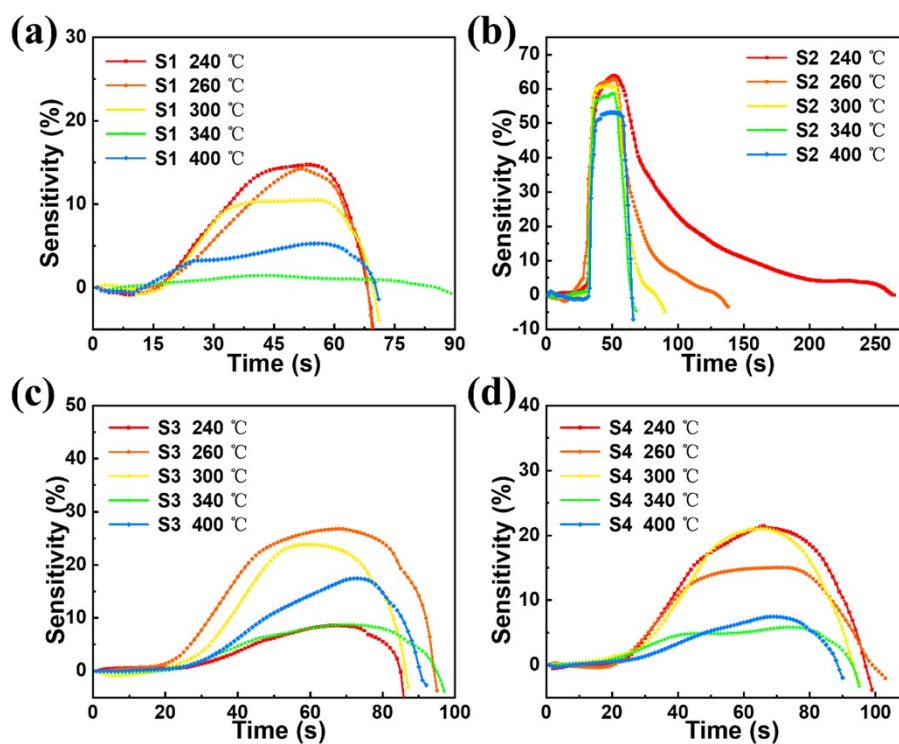


Figure S3. Sensing responses of WO₃/graphite sensors with different mass ratios to 5.70 ppm 2-CEES at different temperatures. (a) S1, (b) S2, (c) S3, (d) S4.

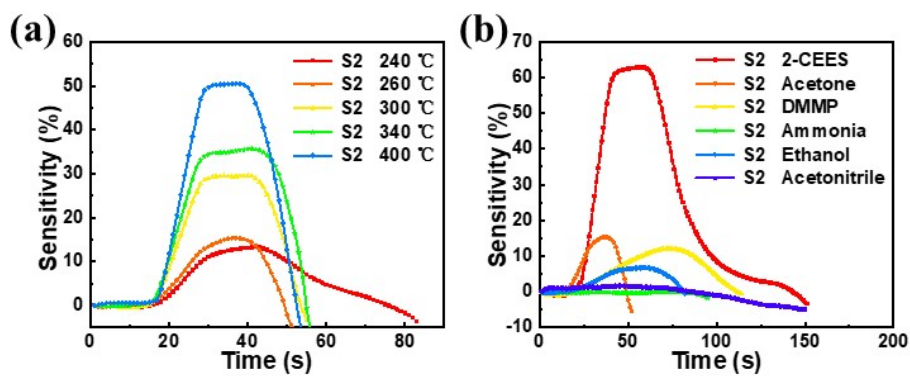


Figure S4. The sensing responses of WO₃/graphite (S2) sensor. (a) The sensing responses of WO₃/graphite (S2) sensor to 5.70 ppm of acetone at different temperatures. (b) The sensing responses of WO₃/graphite (S2) sensor to 5.70 ppm of 2-CEES and other gases (acetone, DMMP, ammonia, ethanol, and acetonitrile) at temperature of 260 °C.