Electronic supplementary information:

Single Crystal α-Fe_2O_3 with Exposed {104} Facets for High Performance Gas Sensor Applications

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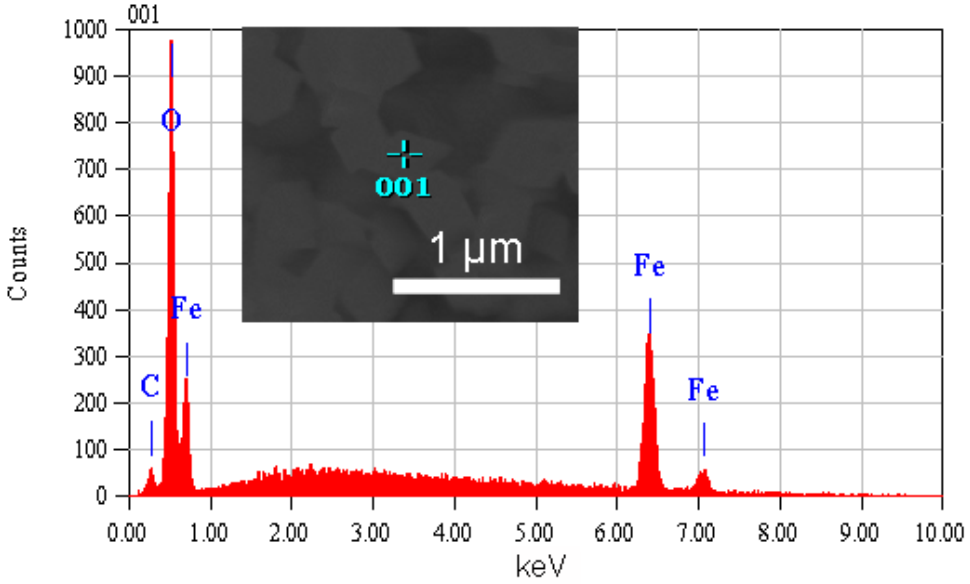

Fig. S1. EDS analysis of an individual rhombohedral α-Fe_2O_3 crystal.

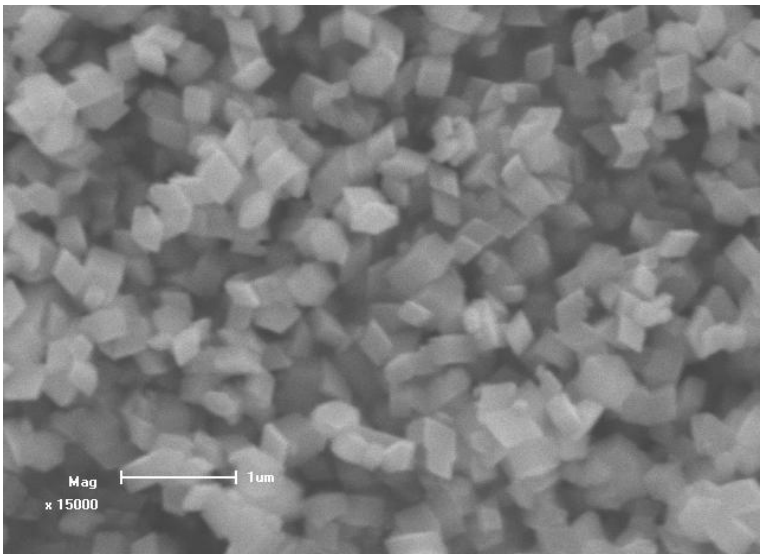

Fig. S2. SEM image of the α-Fe_2O_3 products prepared with 3.2 g formamide, showing that all the particles have a uniform rhombohedral morphology.

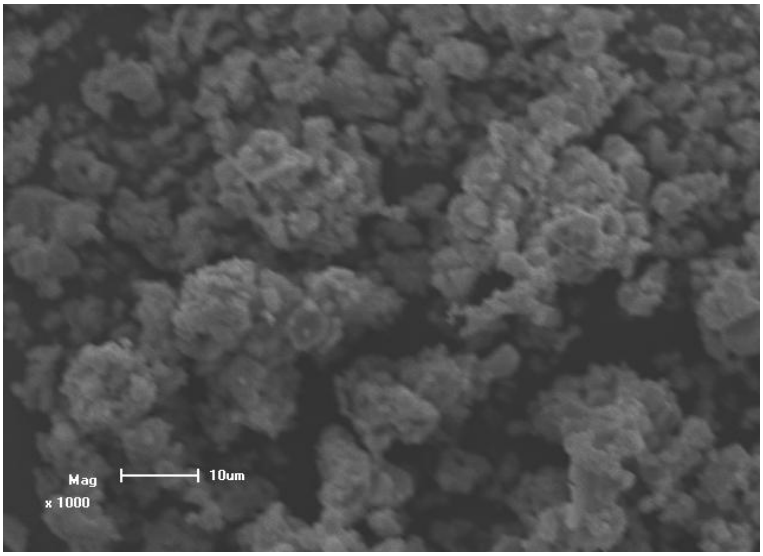

Fig. S3. SEM image of the commercial α-Fe_2O_3 powder.