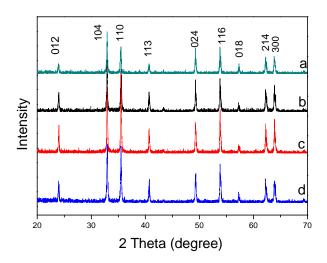
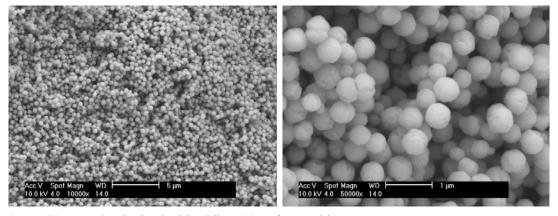
## Supporting information

Hexagonal  $\alpha\text{-Fe}_2O_3$  nanorods bound by high-index facets as high-performance electrochemical sensor

Zhong Liu<sup>1</sup>, Baoliang Lv<sup>1</sup>\*, Yao Xu<sup>1</sup>, Dong Wu<sup>1</sup>



**Figure S1:** XRD patterns particles obtained with different reaction time: (a) 2h, (b) 4h, (c) 12h and (d) 48h.



**Figure S2**: α-Fe<sub>2</sub>O<sub>3</sub> obtained with adding 0.2 M formamide.