Supplementary Information

Preparation of One-dimensional $CoFe_2O_4$ Nanostructures and Their Magnetic Properties

Zhongli Wang, Xiaojuan Liu, Minfeng Lv, Ping Chai, Yao Liu, Xianfeng Zhou and Jian Meng*

State Key laboratory of Rare Earth Resources Application, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun, 130022, P. R. China and Graduate University of Chinese Academy of Sciences, Beijing, 100049, P. R. China

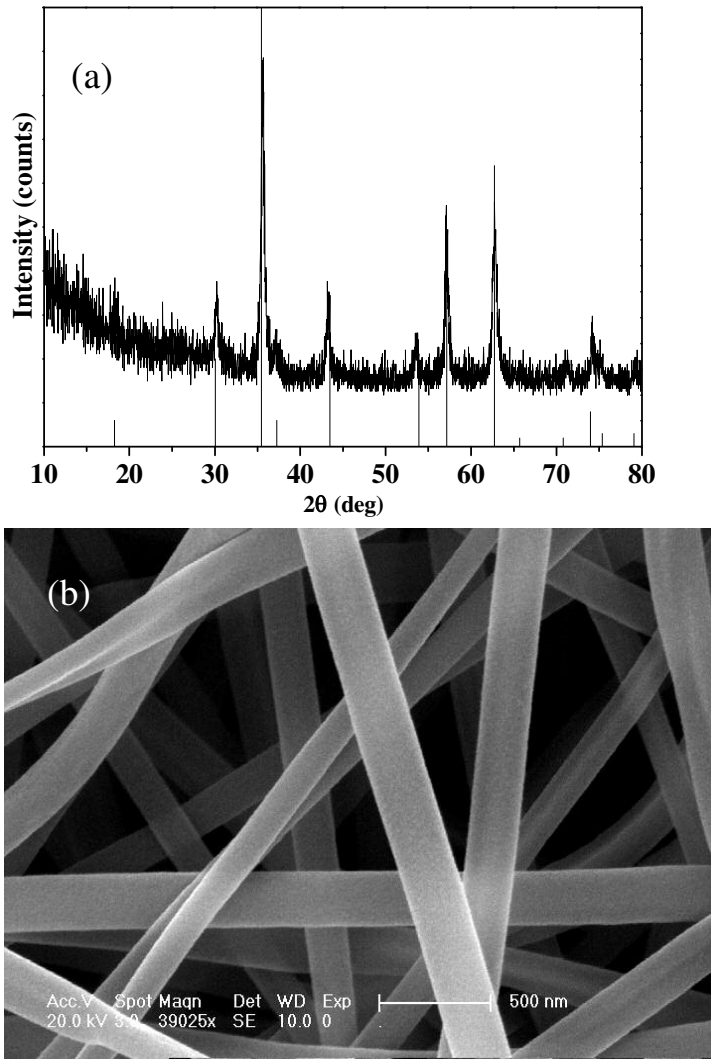

Figure S1. XRD patterns and SEM images for $CoFe_2O_4$ nanoribbons calcined in air at 400 °C

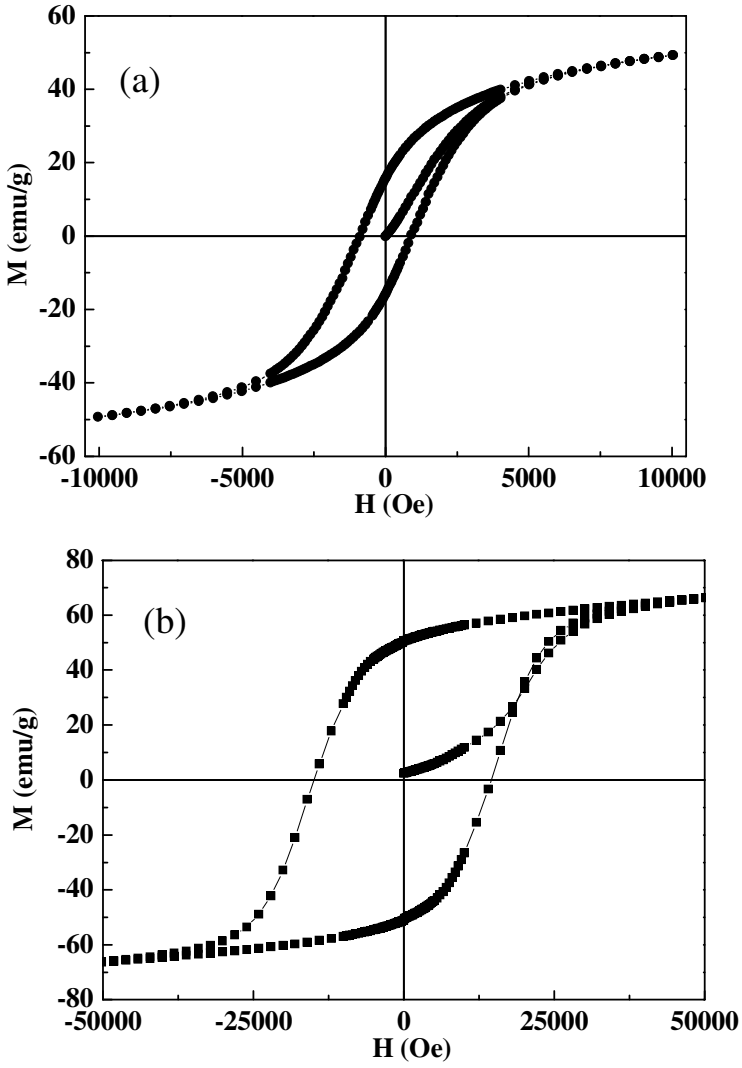

Figure S2. Magnetic properties of the $CoFe_2O_4$ nanoribbons calcined in air at 400 °C: (a) at room temperature (300 K) (b) at low temperature (2 K)

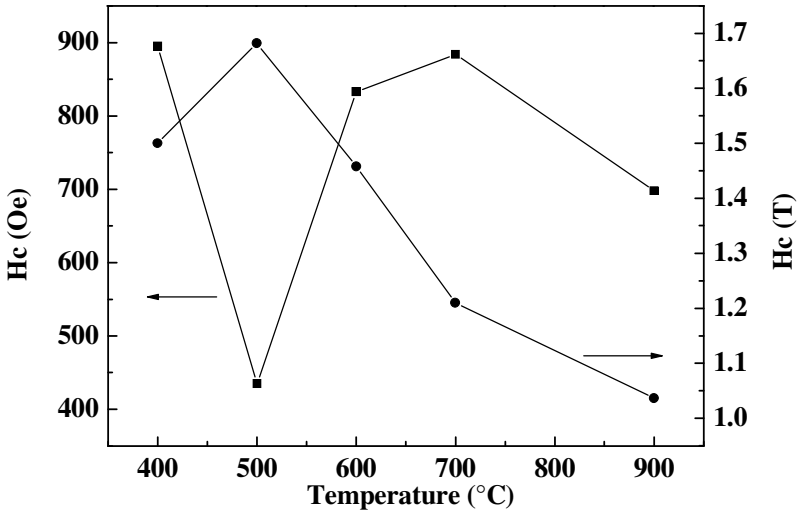

Figure S3. Variation of coercivity with calcination temperature from 400 °C to 900 °C

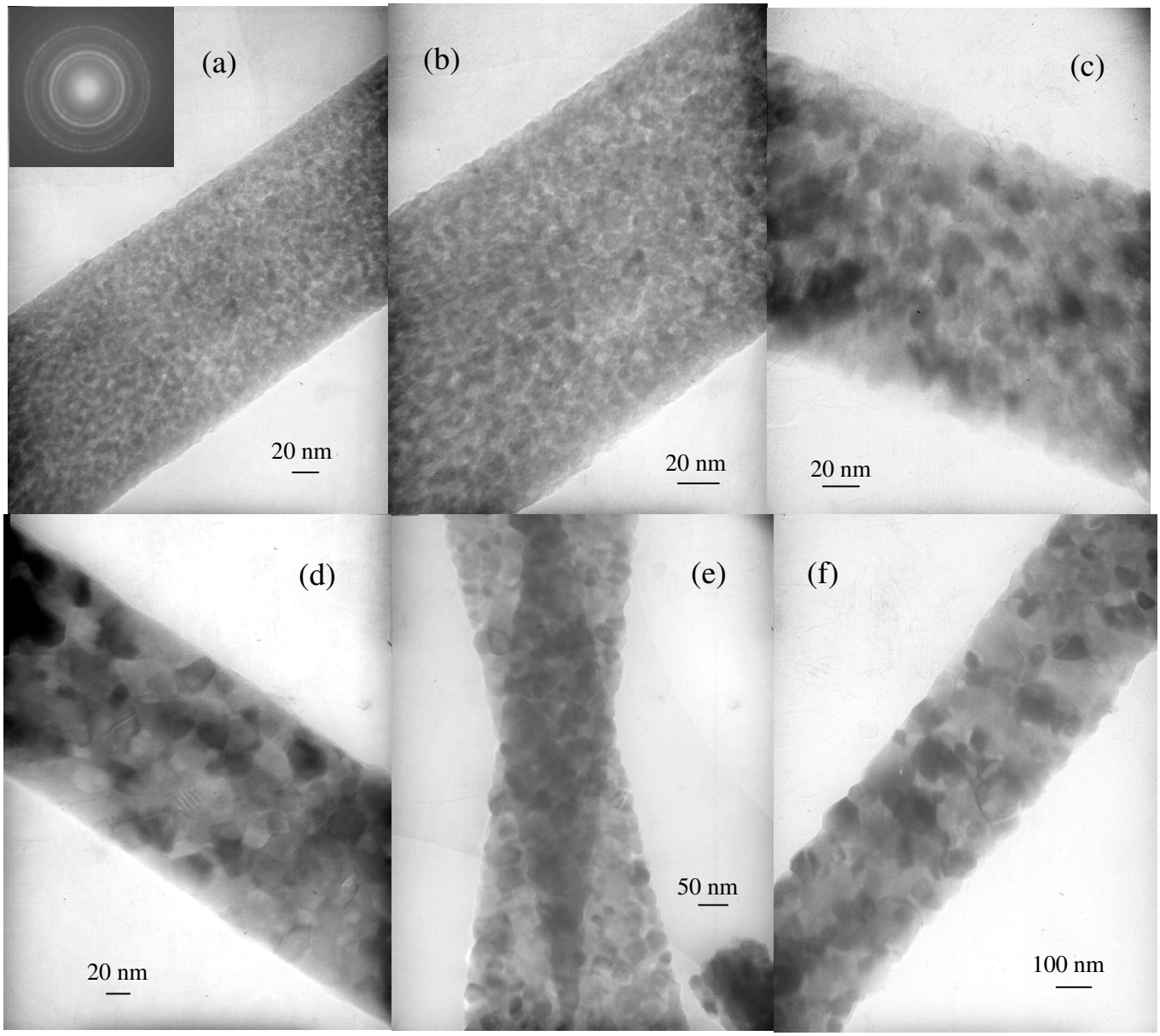

Figure S4. TEM images of $CoFe_2O_4$ nanoribbons calcined in air at different temperature (a) and (b) 400 °C (c) 500 °C (d) and (e) 600 °C (f) 700 °C